SESI
CONSULTING
ENGINEERS

REMEDIAL INVESTIGATION REPORT

For:

Centre Avenue Development - South
339 Huguenot Street and 33-35 Centre Avenue
New Rochelle, New York 10801

BCP # C360182

Prepared for:

Huguenot Partners LLC, RFMCH Huguenot Property Owner, LLC, RFMCH Huguenot Development Partners LLC, Huguenot Centre Holdings LLC
7 Renaissance Square, 4th Floor
White Plains, New York 10601

Prepared by:

SESI CONSULTING ENGINEERS, D.P.C.
12A Maple Avenue
Pine Brook, NJ 07058

JANUARY 2020
REVISED APRIL 2021
REVISED MAY 2021

CERTIFICATIONS

"I, Fuad Dahan, certify that I am currently a [NYS registered professional engineer or Qualified Environmental Professional as defined in 6 NYCRR Part 375] and that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications."

Fuad Dahan	05/28/2021	
NYS Professional Engineer (# 090531)	Date	Signature

It is a violation of Article 130 of New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer in accordance with Section 7209(2), Article 130, New York State Education Law.

TABLE OF CONTENTS

1.0 INTRODUCTION 4

2.0 BACKGROUND 5

2.1 SITE DESCRIPTION AND PROPOSED DEVELOPMENT 5
2.2 DESCRIPTION OF SURROUNDING PROPERTIES 6
2.3 PREVIOUS ENVIRONMENTAL INVESTIGATIONS 6
2.3.1 Phase I Environmental Site Assessments by NP&V (April 2017) 6
2.3.2 Limited Phase II ESA, prepared by NP&V, (June 2017) 7
2.3.3 Augmented Phase I ESA by WCD (October 2017) 7
2.3.4 Environmental Fieldwork Report by WCD (October 2017) 8
2.3.5 Phase II ESA Report by WCD (January 2018) 8
2.3.6 Summary Report of Environmental Investigation by WCD (January 2018) 9
2.4 SUMMARY OF ENVIRONMENTAL CONDITIONS 9

3.0 SITE SETTING 11

3.1 TOPOGRAPHY 11
3.2 SURFACE WATER AND DRAINAGE 11
3.3 GEOLOGY 11
3.4 HYDROGEOLOGY 12

4.0 REMEDIAL INVESTIGATION ACTIVITIES 13

4.1 RI SAMPLING SUMMARY 13
4.2 INVESTIGATION METHODOLOGY 13
4.3 SOIL BORINGS AND SAMPLING 14
4.4 MONITORING WELL INSTALLATIONS 14
4.5 GROUNDWATER SAMPLING 16
4.6 SOIL GAS INVESTIGATION 16

5.0 REMEDIAL INVESTIGATION RESULTS 18

5.1 SOIL INVESTIGATION RESULTS *18*
5.2 GROUNDWATER *22*
5.3 SOIL GAS RESULTS *28*
5.4 LNAPL DISCOVERY AND DELINEATION *29*

6.0 REMEDIAL INVESTIGATION FINDINGS AND SUMMARY 29

6.1 CONCEPTUAL SITE MODEL 29
6.2 HUMAN HEALTH EXPOSURE ASSESSMENT 30
6.3 FISH AND WILDLIFE RESOURCES IMPACT ANALYSIS 31
6.4 DATA USABILITY SUMMARY REPORT 31
6.5 RECOMMENDATIONS 35
6.5.1 Summary of RI Results 35
6.5.2 Data Limitations and Recommendations for Future Work 35

6.5.3 Recommended Remedial Action Objectives *35*

7.0 DEVIATIONS FROM THE RIWP **37**

8.0 REFERENCES **37**

LIST OF TABLES

Table 4.1:	Sampling Summary Table
Table 4.2:	Well Gauging and Surveying Data Summary
Tables 5.1, 5.2, 5.3, 5.4:	Soil Data Exceedances Summaries
Tables 5.5, 5.6, 5.7, 5.7A:	Groundwater Data Exceedance Summaries
Table 5.8:	Soil Vapor Data Exceedance Summary
Tables 5.9A – 5.9E:	Soil Analytical Data Summary Tables (Appendix C)
Tables 5.10A – 5.10E:	Groundwater Analytical Data Summary Tables (Appendix C)
Table 5.11:	Soil Vapor Analytical Data Summary Table (Appendix C)

LIST OF FIGURES

Figure 1: Site Location Plan
Figure 2: Site Plan
Figure 3: Groundwater Contour Map
Figure 4: Soil Sample Results Plan
Figure 5: Sampling Location Plan & Contaminant Distribution in Groundwater
Figure 6: Soil Gas Sampling Plan & Results
Figure 7: LNAPL Delineation Well Locations
Figure 8: Emerging Contaminant Distribution in Groundwater
Figure 9: Emerging Contaminant Distribution in Soil

LIST OF APPENDICES

Appendix A: Figures
Appendix B: Previous Environmental Reports
Appendix C: Analytical Summary Tables
Appendix D: Boring/Monitoring Well Construction Logs
Appendix E: Borehole Geophysical Logs
Appendix F: Waste Classification Sampling Data
Appendix G: Groundwater Monitoring Well Sampling Logs
Appendix H: Laboratory Analytical Reports
Appendix I: Data Usability Study Reports
Appendix J: Supplemental Remedial Investigation Report (October 2020)
Appendix K: Supplemental Remedial Investigation 2 Report (February 2021)
Appendix L: LNAPL Fingerprint Analysis Report

EXECUTIVE SUMMARY

The Centre Avenue Development South Site (herein referred to as the "Site") was accepted into the New York Brownfield Cleanup Program (BCP) by New York Department of Environmental Conservation (NYSDEC) on June 28, 2019, and is known as BCP Site No. C360182. The Site is approximately 0.46 acres in size and is bounded by Centre Avenue to the north, Huguenot Street to the east, multi-story residential and commercial buildings to the south, and Relyea Place to the west.

This Remedial Investigation Report (RIR) summarizes the results of prior investigations and the Remedial Investigation (RI) performed on the Site. The RI was conducted in general accordance with the Remedial Investigation Work Plan/Interim Remedial Measures Work Plan (RIWP/IRMWP) for the Site, which was last revised August 22, 2019, and subsequently approved by the NYSDEC in August 27, 2019, and the NYSDEC's Technical Guidance for Site Investigation and Remediation (DER-10).

The RI consisted of collecting thirty-six (36) soil samples, nine (9) groundwater samples, and nine (9) soil vapor samples. The RECs identified in previous Phase I reports included a former automobile repair shop (1951) and former electroplating and metal finishing operation (1971-2018). Samples were collected to investigate and delineate previously identified contamination from prior subsurface investigations including VOCs, SVOCs, and metals in soil, and VOCs in groundwater and soil vapor. Soil and groundwater samples were analyzed for a combination of full target compound list (TCL) and target analyte list (TAL) analytes – which include volatile organic compounds (USEPA Method 8260), metals (USEPA Methods 6010/7471), semi-volatile organic compounds (USEPA Method 8270), PCBs and pesticides (USEPA Methods 8081/8082), and PFAS (USEPA Method 537), and 1,4-dioxane (USEPA Method 8270). Soil vapor samples were analyzed for VOCs (USEPA Method TO-15). Duplicates samples were collected in general accordance with frequencies specified in DER-10, and trip blanks accompanied all groundwater samples analyzed for volatile organic compounds (VOCs).

Based on the field investigation, the overall depth of impacted soils extend to 12 feet (ft) below ground surface (bgs). Soil impacts were identified throughout the soil column and delineated extending down to the weathered bedrock, which in certain areas was very shallow (3 ft bgs), and in other areas relatively shallow (12 ft bgs) across the Site. Polycyclic aromatic hydrocarbon (PAH) impacts exceeding both Unrestricted Use Soil Cleanup Objectives (USCO)

and Restricted Residential Soil Cleanup Objectives (RRSCOs) were identified between 3 and 8 ft bgs across the Site. Metals-contaminated soils exceeding the RRSCOs were identified in soils 1 to 11 ft bgs. Metals contaminated soils exceeding the USCOs extends down to 12 ft bgs in one sample. Pesticides impacted soils exceeding USCOs were identified in soils between 2 and 8 ft bgs at the Site. One VOC (trichloroethene) was identified in three (3) soil samples exceeding the USCO at depths between 1 and 8 ft bgs. PFOS, PFOA, and other PFAS compounds were detected sporadically in soils throughout the Site.

The Site's groundwater, which was present between 7 to 23 feet bgs, is heavily impacted with chlorinated VOCs, and also contains PAHs and metals above NYSDEC Technical Operational Guidance Series (TOGS) 1.1.1 GA Ambient Water Quality Standards (AQWS) groundwater standards primarily as a result of the historical electroplating and metal finishing operations. Groundwater was also found to contain PFAS compounds exceeding the NYSDEC Groundwater Action Level Trigger (January 2020). Contaminated groundwater was found in the weathered rock throughout the Site, which results in impacts to the fractured bedrock beneath the soil and weathered rock layer. A supplemental RI (SRI-1) was conducted in August and September 2020 to further map bedrock fractures with geophysics and to investigate contamination in the deeper fractured bedrock zones. Chlorinated VOCs (CVOCs) as well as PFOS, PFOA, and toluene were identified within shallow and deeper bedrock fractures at overall significantly lower concentrations than during the RIR as a result of dewatering conducted during the IRM. The SRI-1 report is attached as Appendix J to this RIR. A second supplemental RI (SRI-2) was conducted in January and February 2021 to vertically delineate impacts in the fractured bedrock and to determine the magnitude of impacts to nearby offsite groundwater. Results of the SRI-2 indicate that the vertical trend has shown significant decrease in groundwater CVOC concentrations with depth. The horizontal trend noted in the SRI-2 has also shown significant decrease in the CVOC concentrations downgradient (westward) in the off-site wells that were installed. The SRI-2 results indicated that there is no deeper CVOC source and that the detected CVOCs in deeper bedrock are a result of the identified source at elevation 60-45 ft-amsl. These trends indicate that the plume has been delineated vertically and horizontally. The SRI-2 report is attached as Appendix K to this RIR.

The Site soil vapor also contains CVOCs exceeding NYSDOH (New York State Department of Health) soil vapor intrusion criteria.

LNAPL (Light Non-Aqueous Phase Liquid) was identified in geotechnical boring SB-101 (located in the northwest corner of the parking lot) during the geotechnical investigation. The

LNAPL was identified at approximately 18.5 ft bgs, approximately five (5) feet below the observed weathered rock depth (13.5 feet) in this boring.

1.0 INTRODUCTION

The NYSDEC has entered into a BC Agreement (BCA) for the property located at 339 Huguenot Street and 33-35 Centre Avenue, New Rochelle, New York, which has been named the Centre Avenue Development – South Site (BCP Site. # C360182) ("Site") with BCP Volunteers Huguenot Partners LLC on June 28, 2019. A Site Location map is presented as **Figure 1 in Appendix A.** This document consists of a remedial investigation report (RIR). This RIR is a summary of the investigative work that was performed in accordance with the Remedial Investigation Workplan/Interim Remedial Work Plan (RIWP/IRMWP) prepared by SESI and dated August 22, 2019. The RIWP was approved by the NYSDEC on August 27, 2019. The report also includes a summary of the previous investigations that were conducted prior to the BCA.

The RI was completed in accordance with the NYSDEC DER-10, to provide a systematic assessment of environmental conditions on the Site. The RI defines the nature and extent of contamination on-Site, identifying contaminant source areas, and producing data of sufficient quantity and quality to complete an on-site exposure assessment and a qualitative off-site exposure assessment for purposes of designing the remedial action for the Site.

2.0 BACKGROUND

2.1 Site Description and Proposed development

The 0.46-acre rectangular-shaped site is located in an urban area in the Downtown District of the City of New Rochelle, New York and is identified as Section 2, Block 437, Lot 42 (formerly Lots 1, 3 and 42) on the Westchester County Tax Map. The original Lots 1 and 3 were identified by address 339 Huguenot Street and Lot 42 was identified by 33-35 Centre Avenue. A lot merger was approved by the City to consolidate the three lot into one before the site was entered into the BCP. The site is located on the northern part of the City block bordered by Centre Avenue to the north, Huguenot Street to the east, Columbus Avenue to the south, and Relyea Place to the west. The site is bordered to the south by multi-story residential and commercial buildings.

The Site was most recently developed by a one-story industrial building on the western half of the Site (Lot 42) and parking lot on the eastern half (Lots 1 and 3). Based on review of Sanborn fire insurance maps, former Lots 1 and 3 were developed with dwellings between 1887 and 1951 and with a parking lot between 1990 and 2003. Former Lot 42 is shown as undeveloped land prior to 1931, as a garage in 1931, and subsequently developed with residential, commercial and industrial buildings. Lot 42 was occupied by an electroplating and metal-finishing business between 1971 and 2018. The Site was historically listed as a Large Quantity Generator (LQG) and as a Small Quantity Generator (SGQ) for the generation of characteristic hazardous waste D001 (ignitable waste), D002 (corrosive waste), D005 (barium), D007 (chromium), D008 (lead), D039 (tetrachloroethene [PCE]), and U226 (1,1,1-trichloroethane [1,1,1-TCA]) between 1984 and 2004. All the buildings have been demolished down to their foundations. **Figure 2** presents a Site Plan.

The proposed brownfield project includes demolition of the existing building, installation of support of excavation and remediation of the Site and then construction of a commercial/residential development on the Site and an associated 5-story parking garage.

2.2 Description of Surrounding properties

The surrounding properties consist of multiple commercial properties including:

Direction	Adjacent Property
North	Food Market, flower shop, parking lot
South	Art Gallery, residential apartment building
East	Mixed use commercial/residential
West	Former Industrial Overall Services

2.3 Previous Environmental Investigations

The following environmental reports are attached in **Appendix B** and summarized below:

- Phase I Environmental Site Assessment (ESA), prepared by Nelson, Pope & Voorhis, LLC (NP&V), dated April 21, 2017;
- Limited Phase II ESA, prepared by NP&V, dated June 1, 2017;
- Augmented Phase I ESA, prepared by WCD Group, LLC (WCD), dated October 27, 2017;
- Environmental Fieldwork Report, prepared by WCD, dated October 27, 2017;
- Phase II ESA, prepared by WCD, dated January 24, 2018, and
- Summary Report of Environmental Investigation by WCD, January 25, 2018.

2.3.1 Phase I Environmental Site Assessments by NP&V (April 2017)

The report was prepared for a larger area that included a portion of the site (former Lots 1 and 3). The Phase I ESA identified the following two recognized environmental conditions (RECs) associated with the site:

- The site was previously occupied by an apartment building. Potential subsurface structures associated with the apartment building may still be present at the site.
- Results of a Tier 1 Vapor Encroachment Condition (VEC) Assessment identified several sites within established critical distances with documented releases or activities which could results in releases of petroleum products of toxic chemicals.

Although outside of the subject property covered in the Phase I ESA, findings related to former original Lot 42 included:

- This parcel was registered as a Conditionally Exempt Small Quantity Generator (CESQG) (Facility ID No. NYD002015402 [Eric S. Turner & Company, Inc.]). The site was historically

listed as a Large Quantity Generator (LQG) and as a Small Quantity Generator (SGQ) for the generation of characteristic hazardous waste D001 (ignitable waste), D002 (corrosive waste), D005 (barium), D007 (chromium), D008 (lead), D039 (PCE), and U226 (1,1,1-trichloroethane [1,1,1-TCA]) between 1984 and 2004.

- This parcel was also identified as a New York State Department of Environmental Conservation (NYSDEC) Air Discharge Facility (Facility ID No. 3611900260 [Eric S. Turner & Company, Inc.]) for potential uncontrolled emissions less than 100 tons of total hazardous air pollutants per year.

2.3.2 Limited Phase II ESA, prepared by NP&V, (June 2017)

A Limited Phase II ESA was prepared to evaluate potential impacts related to the RECs identified in the NP&V Phase I. The Phase II ESA was performed over a larger area that included a portion of the site (former Lots 1 and 3). The scope of the Phase II ESA within the site is described below.

- A ground penetrating radar survey was performed; anomalies indicative of subsurface structures were not identified.
- A soil vapor point was installed and one soil vapor sample and one outdoor ambient air sample were collected. The total volatile organic compound (VOC) concentration in the soil vapor sample (SV-4) was 6,279 micrograms per cubic meter ($\mu g/m^3$). The total VOC concentration in the outdoor ambient air sample (OA-2) was 184.2 $\mu g/m^3$.

The report indicates records were obtained from the City of New Rochelle regarding the closure and removal of fuel oil storage tanks previously installed in the cellar of a former building.

2.3.3 Augmented Phase I ESA by WCD (October 2017)

A Phase I ESA was prepared for original former Lot 42. The Phase I ESA identified the following RECs associated with the site:

- The former uses of this parcel include an automobile repair shop (1951) and an electroplating and metal-finishing business (1971 – 2018).
- A 550-gallon fuel oil underground storage tank (UST) previously serviced this parcel according to an interview with the property owner. The UST was reportedly closed in 2007.
- The west-adjacent property is an Inactive Hazardous Waste Disposal Site (IHWDS) in the State Superfund Program (NYSDEC Site No. 360109). This property is being investigated and remediated due to historical releases of chlorinated solvents.

2.3.4 Environmental Fieldwork Report by WCD (October 2017)

An Environmental Fieldwork Report was prepared to document activities and results related to soil vapor sampling in Lot 42. The scope of the work included:

- Installation of three soil vapor points and collection of soil vapor samples.

Laboratory analytical results are summarized below:

- The total VOC concentration in the soil vapor samples ranged from 9,423 µg/m^3 in SV-02 to 287,781 µg/m^3 in SV-01.
- Concentrations were compared to the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017). Five VOCs (1,1,1-TCA, 1,1-dichloroethene [1,1- DCE], cis-1,2-dichloroethene [cis-1,2-DCE], PCE and trichloroethene [TCE]) triggered a recommendation for mitigation.

2.3.5 Phase II ESA Report by WCD (January 2018)

A Phase II ESA was performed in Lot 42 to evaluate soil and groundwater at the site.

The scope of the Phase II ESA included:

- Advancement of six soil borings; screening of soil for indications of contamination with a photoionization detector (PID); and collection of soil samples
- Installation of three temporary groundwater monitoring wells and collection of groundwater samples

Field observations and laboratory analytical results are summarized below:

- Historic fill was observed in three of the six borings and boring refusal was encountered at a depth of up to 12.5 ft bgs. Chemical impacts as evidenced by odors and PID readings up to 172 parts per million (ppm) were observed in five of the six borings. Odor was also observed during sampling of groundwater monitoring well TGW-03. Geotechnical boring results show that this is highly fractured rock which may have allowed water to migrate lower than rock depths encountered.
- Soil samples were analyzed for VOCs, PAH semi-volatile organic compounds (SVOC), and metals. Analytical results were compared to NYSDEC Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use (UR) and Restricted Use – Restricted Residential (RR) Soil Cleanup Objectives (SCO). Two VOCs (TCE and 1,4-dioxane) and five metals (barium, chromium, copper, nickel and zinc) were detected at concentrations exceeding USCOs and/or RRSCOs in 10 soil samples.
- Groundwater samples were analyzed for VOCs. Analytical results were compared to the NYSDEC 6 NYCRR Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class

GA Water (AWQS). Five VOCs (1,1,1-TCA, 1,1-dichloroethane, 1,1-DCE, PCE, and TCE) were detected at concentrations exceeding NYSDEC AWQS in all three groundwater samples. A maximum TCE concentration of 15,000 micrograms per liter (µg/L) was detected in the sample collected from monitoring well TGW-03.

2.3.6 Summary Report of Environmental Investigation by WCD (January 2018)

An environmental investigation summary report was prepared for the investigation of original Lots 1 and 3 to evaluate soil at these parcels. The scope of the environmental investigation included:

- Advancement of three soil borings; screening of soil for indications of contamination by visual and olfactory means and with a PID readings; and collection of soil samples for laboratory analysis.

Field observations and laboratory analytical results are summarized below:

- Historic fill was observed from grade surface to rock. Boring refusal was encountered at depths ranging from 6.5 to 7.5 feet bgs. Chemical impacts as evidenced by odors and PID readings of up to 17.5 ppm were observed in soil boring ESB-02; petroleum impacts as evidenced by odors and PID readings of up to 81.5 ppm were observed in soil boring ESB-01.

Soil samples were analyzed for VOCs, PAHs, and metals. Analytical results were compared to NYSDEC Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part USCOs and RRSCOs. Two VOCs (TCE and 1,4-dioxane) and five metals (barium, chromium, copper, nickel and zinc) were detected at concentrations exceeding USCOs and/or RRSCOs in 10 soil samples.

2.4 SUMMARY OF ENVIRONMENTAL CONDITIONS

Based on the investigations conducted prior to this RI, the primary contaminants of concern (COCs) were chlorinated VOCs, SVOCs, metals and pesticides.

Soil

- A total of 20 soil samples were collected during previous investigations. Soil sample analytical results were compared to USCOs and RRSCOs. Analytes detected with concentrations above USCOs and RRSCOs are listed below, with those above the RRSCOs shown in bold.
  - VOCs – 1,4-dioxane and TCE;
  - SVOCs – benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene
  - Metals – **barium**, **chromium**, copper, **nickel**, and zinc.

Groundwater

- A total of 15 groundwater samples were collected during previous investigations. Groundwater sample analytical results were compared to the NYSDEC Standards. Analytes detected with concentrations above NYSDEC Standards are listed below.
    - VOCs – 1,1,1-TCA, 1,1-dichloroethane, 1,1-DCE, PCE, and TCE.

Soil Vapor

- A total of four soil vapor samples and one outdoor ambient air sample were collected during previous investigations. Soil vapor sample analytical results were compared to the minimum soil vapor concentrations recommending mitigation as set forth in the NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion in New York State Decision Matrices for Sub-slab Vapor and Indoor Air and subsequent updates (2017). Relevant findings are listed below.
    - Total VOC concentrations ranged from 6,279 to 278,781 µg/m^3;
    - 1,1,1-TCA, 1,1-DCE, cis-1,2-DCE, PCE and TCE were detected with concentrations above minimum concentrations recommending mitigation

3.0 SITE SETTING

3.1 TOPOGRAPHY

The Site encompasses an area of about 20,000 square feet (0.46 acres). Sidewalk elevations (el) generally increase from southwest to northeast and range from about el 87.3 to 97.2 feet referenced to the North American Vertical Datum of 1988 (NAVD88).

3.2 SURFACE WATER AND DRAINAGE

There are no surface water bodies or streams on or directly adjacent to the Site. SESI did not observe any areas suspected to be wetlands on the Site. Storm water drainage patterns are generally consistent with the surrounding topography and primarily flow to the southwest down Relyea Place.

3.3 GEOLOGY

According to the 1970 Geologic Map of New York – Lower Hudson Sheet published by the University of the State of New York, the bedrock underlying the site is of the Hartland Formation, and is comprised primarily of basal amphibolite gneiss overlain by politic schists. Gneiss and schist were the primary bedrock types encountered during SESI's geotechnical investigation in September 2019 and during the Supplemental RI in August 2020. Refusal/decomposed rock was encountered during this RI at depths up to 12 ft bgs. Fill material was encountered in most borings beneath the concrete/asphalt subbase extending to varying depths up to 8 ft bgs. The fill material is underlain by fine to silty sand followed by a layer of weathered (decomposed) rock of varying thickness overlying the bedrock. Rock coring and geophysical logging was performed at 10 locations across the Site during the Supplemental RI – 1 (SRI-1), including measurements of temperature, fluid conductivity, heat pulse flow, natural gamma, caliper, electrical resistivity, acoustical televiewer, and optical televiewer. The geophysical logging results indicated that two distinct water-bearing fracture sets/zones exist beneath the Site, separated by zones of more competent bedrock, which vary in thickness from at least 10 feet to more than 25 feet. The competent bedrock zones contain low and high-angle discontinuous hairline fractures that may be potentially transmissive to varying degrees. Additional information regarding the bedrock is included in the Supplemental RIR, attached to this report as **Appendix J**.

3.4 HYDROGEOLOGY

On-site monitoring wells were gauged by SESI on December 19, 2019. Groundwater was encountered at depths of approximately 7 ft bgs at the eastern end of the Site to 23 ft bgs in the southwest corner of the Site in bedrock monitoring wells installed by SESI. The groundwater gradient in bedrock was determined to be in a southwesterly direction across the Site, as shown on the groundwater contour map (**Figure 3**). No groundwater was encountered in the overburden soils.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

The RI was conducted in accordance with the NYSDEC DER-10, and in accordance with the NYSDEC-approved RIWP/IRMWP (August 27, 2019). The objective of the RI was to complete the investigation of soil, soil vapor, and groundwater on the Site and to delineate the nature and extent of the contamination on Site.

4.1 RI SAMPLING SUMMARY

Field activities were completed for the RI from September to December 2019. Nineteen (19) soil probes, nine (9) permanent groundwater monitoring wells and nine (9) soil vapor points were installed and sampled as part of the RIR. **Table 4.1 in Appendix C** includes a summary of all RI samples collected and their analyses. **Figures 4, 5, and 6 in Appendix A** present the RI sample locations for soil, groundwater, and soil vapor respectively. Field activities for the SRI-1 were completed in August and September 2020 and included the installation of sixteen (16) additional monitoring wells. **Table J1** in the SRI-1 (Appendix J) includes the construction details of the additional wells, and **Figures SRI1-A** and **SRI1-B** in Appendix J present the additional well locations. Field activities for SRI-2 were completed in January and February 2021 and included the installation of seven (7) additional monitoring wells. **Figure SRI2-A** and **Table K-1** in **Appendix K** presents the additional well locations and well construction details, respectively.

The soil and groundwater samples that were collected during the RI were analyzed for TCL/TAL +30 including metals (USEPA Methods 6010/7471), SVOCs (USEPA Method 8270), VOCs (USEPA Method 8260), PCBs, pesticides (USEPA Methods 8081/8082), PFAS (USEPA EPA Modified Method 537), and 1,4 dioxane (USEPA Method 8270). SRI-1 and SRI-2 groundwater samples were collected for VOCs, TAL metals, PFAS, and 1,4-dioxane. Field Blanks were collected each day groundwater sampling was conducted, and trip blanks accompanied all groundwater samples analyzed for VOCs. The soil vapor samples were analyzed for VOCs in accordance with EPA Method TO-15.

4.2 INVESTIGATION METHODOLOGY

All the field work was completed under the on-Site observation of a SESI field engineer and the environmental professional engineer (PE). The field work involved advancing borings, installing soil vapor probes, and installing permanent monitoring wells. Disposable field equipment was utilized to collect soil and groundwater samples. SESI observed the work completed by the following subcontractors:

- All Star Drilling - advanced soil borings, installed monitoring wells, and installed soil vapor points utilizing direct-push, hollow-stem auger, and air rotary drilling techniques during the RI.
- AARCO Environmental Services – advanced boreholes in bedrock, installed monitoring wells during SRI-1 and SRI-2.
- Alpha Analytical, Massachusetts (NY ELAP Certification 11148) – Analyzed soil and groundwater samples as per requested analytical methods.
- Alpha Analytical, Massachusetts (NY ELAP Certification 11148) – Analyzed soil vapor samples as per requested analytical methods.
- Earth Data Northeast (EDN) has conducted borehole geophysics during the RI and SRI-1 field efforts.

4.3 SOIL BORINGS AND SAMPLING

A total of thirty-six (36) soil samples were collected from nineteen (19) soil borings (B-1 through B-19) during the RI. The borings were advanced utilizing direct-push drilling techniques. Borings generally covered all areas of the Site, with a few boring locations (B-1, B-2, B-6) modified slightly due to interior building structures and basements that were still present at the time of sampling. Borings were advanced to refusal/assumed bedrock depth, which ranged from 3 to 12 ft bgs. Soil samples were collected utilizing macro-core samplers. Samples for laboratory chemical analyses were collected based on field screening, which includes visual and olfactory observations and screening with PID. The boring logs are provided in **Appendix D.**

In addition to the remedial investigation grab samples, composite samples were collected for waste characterization purposes. The waste characterization samples were collected at an approximate frequency of 1 composite per 750 cubic yards (CY) of soils based on site grid cells of 50 foot-wide by 50 foot-long and 10 foot deep. The waste characterization sample results and site grid are included in **Appendix F**.

4.4 MONITORING WELL INSTALLATIONS

During the RI, eight (8) permanent groundwater monitoring wells were installed and sampled and one (1) existing on-site monitoring well was sampled to investigate groundwater

across the Site, and to delineate groundwater contamination previously identified underlying the former electroplating operation. Monitoring well installation activities were conducted on October 1-2, 2019 (MW-1 and MW-2), and from November 25 – December 6, 2019 (MWs 5S, 5D, 7D, 8D, 9D, 10).

Additional monitoring wells were installed during SRI-1 and SRI-2, the details of which are presented in **Appendix J** and **Appendix K**, respectively.

Well screen depths within the bedrock varied based on the depths of fractures identified during geophysical logging of the boreholes for wells MW-5D, MW-8D, and MW-9D. The first borehole geophysical logging during the RI was conducted on December 11, 2019 by Earth Data Northeast, and consisted of temperature, conductivity, natural gamma, and acoustic televiewer sensors. The log for borehole 5D indicates significant fractures at depths of 12 ft bg, 17 ft bg, and 23 ft bg. Two nested wells were therefore installed at this location, including well MW-5S screened from 9.5-14.5 ft bg, and well MW-5D screened from 20-30 ft bg. The log for borehole 8D indicates a large fracture from 36-38 ft bg, therefore well MW-8D was screened from 33-43 ft bg. The log for borehole 9D indicated a fracture at 24 ft bg, and no other discernable fractures down to its completion depth of 43 ft bg. Well MW-9D was therefore screened for the entire length of open borehole from 23-43 ft bg. Well screen depths for MW-7D and MW-10 were adjusted from 25-35 ft bgs (as proposed in the RIWP) to 15-25 ft bgs based on extensive shallow fractures identified during drilling of these boreholes and more competent bedrock encountered below 25 ft bg during SESI's geotechnical investigation, which eliminated the need to screen these wells at a deeper interval. Wells MW-1 and MW-2 were screened across the top 10 feet of bedrock (7.5-17.5 ft bg) in order to capture groundwater present in shallow bedrock. Well MW-3 was previously installed by others and was measured to have a total depth of 18 feet below site grade. As no construction log was identified for this well, the screened interval is not known. Construction details for the wells installed during SRI-1 are included in Appendix J, and details for the wells installed during SRI-2 are included in Appendix K.

All new wells were constructed utilizing 2-inch PVC pipe with a 10-foot, 10 (0.010 inches) slot screen. The PVC screen was surrounded by #2 filter sand in each well. The filter sand extends at least about 1 foot above the screen. Bentonite about 1 foot thick was then placed on top of the filter sand and the remaining annular space around the PVC riser was grouted with cement/bentonite mix. The wells were subsequently completed with protective steel manholes as flush mount.

The monitoring wells were developed until the purge water being pumped was free of

sediment. The development water was collected in drums for disposal off-site. **Appendix D** includes the RI monitoring well construction logs, and **Appendix E** includes the borehole geophysical logging results.

Groundwater sampling was conducted on December 19-20, 2019. Groundwater samples were analyzed for TCL/TAL +30, PFAS, and 1-4 dioxane. The depth of the wells ranged from 14.5 to 43 ft bgs. All wells were installed within the bedrock. The depth of water table was determined to vary from 7 to 23 ft bgs across the Site this variation is due to the change in the Site topographic elevations. Details regarding the construction and sampling of the additional wells installed as part of the SRI-1 and SRI-2 are included in Appendix J and Appendix K, respectively.

4.5 GROUNDWATER SAMPLING

On December 19-20, 2019, the monitoring wells were sampled in accordance with USEPA low flow sampling procedures. The purge water was piped to a "flow cell," where groundwater geochemical parameters such as pH, redox potential, specific conductance, dissolved oxygen, salinity and turbidity were measured at three (3) minute intervals. Drawdown during the well sampling was also measured. Field parameters including pH, dissolved oxygen, turbidity, specific conductance and oxidation/reduction potential (ORP) were measured. "Redi-flow" purging techniques were implemented to achieve stabilization. Groundwater samples were collected once the geochemical parameters stabilized for three consecutive readings. **Appendix G** includes the purge data for the groundwater monitoring wells.

The wells installed as part of SRI-1 and SRI-2 were sampled in general accordance with the procedures described above. Purge data for these additional wells are included in Appendix J and Appendix K, respectively.

A groundwater contour map was developed using well gauging and surveying data (**Figure 3, Appendix A**). The map depicts groundwater flow in bedrock to the southwest across the Site. This follows the regional topography. The Well gauging and Survey data is presented on **Table 4.2 in Appendix C.**

4.6 SOIL GAS INVESTIGATION

SESI collected nine (9) soil vapor samples (SV-1 through SV-5, SV-7 through SV-10) were collected across the Site. Location SV-6 could not be completed due to the presence of shallow

water (probable perched rainwater) in the hole. The soil vapor points were collected at a depth of 5 ft bgs across the Site. Soil gas samples were collected in accordance with the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York.

Semi-permanent soil vapor probes were installed with an adequate surface seal to prevent outdoor air infiltration at each sampling location. Soil gas implants were installed using a direct push Geoprobe® to attain the depths as noted in Table 4.1. Porous, inert backfill packer sand was used to create a sampling column of 2 feet in length. The implants were fitted with inert Teflon® tubing to the surface. Soil vapor probes were sealed above the sampling zone with a bentonite slurry for a minimum distance of 3 feet. The remainder of the borehole was backfilled with clean material.

Prior to sampling, the soil vapor points were purged three times the volume of the sample probe and tube. Flow rates for both purging and collecting were maintained below 0.2 liters per minute to minimize outdoor air infiltration during sampling. Soil vapor samples were collected over 30-minute runtimes in certified 1-L Summa ® canisters provided by the laboratory. Helium tracer testing was performed on each probe using a box and helium gas detector per the NYSDOH Guidance to ensure no ambient air was penetrating the bentonite seal. In addition, one (1) ambient air sample (AA-1) was also collected during the soil vapor sampling as a control, with a 1-hour runtime. All the samples were sent to Alpha Analytical (an ELAP-accredited laboratory) for EPA TO-15 analysis.

5.0 REMEDIAL INVESTIGATION RESULTS

For purposes of evaluating the remedial alternatives associated with the proposed Site redevelopment, the analytical results of the soil samples were compared to the NYSDEC USCOs and RRSCOs as presented in **Table 5.9 in Appendix C**. The constituent concentrations in groundwater were compared to the applicable NYSDEC TOGS Class GA AWQS as presented in **Table 5.10 in Appendix C**. The soil vapor data is presented in Table **5.11 in Appendix C**, and were compared to the NYS DOH Soil Vapor Intrusion Guidance matrices. Sampling locations and concentrations maps for soil, groundwater, and soil vapor are identified in **Figures 4, 5, and 6 in Appendix A**. The laboratory data packages for soil, soil vapor and groundwater results are included as **Appendix H**. The Data Usability Summary Reports (DUSRs) are included in **Appendix I** of this report. All data generated has been or will be submitted in an electronic data deliverable (EDD) that complies with the DEC's Electronic Data Warehouse Standards (EDWS). Laboratory data packages for groundwater samples from the SRI-1 is included in **Appendix J**, and those from the SRI-2 are included in **Appendix K**.

5.1 SOIL INVESTIGATION RESULTS

VOCs

One volatile organic compound (VOC), trichloroethene (TCE), was detected in 3 samples exceeding USCOs, as shown in the summary table below. Acetone, a common laboratory contaminant, was also detected in excess of USCOs in most soil samples. The presence of this compound is not considered to be site-related.

Table 5.1 - Summary of VOC Exceedances in Soil

Analyte	Part 375-6.8(a) URSCO	Part 375-6.8(b) RRSCO	B-7 (1-2)	B-16 (3-4)	B-16 (7-8)
Trichloroethene	0.47	21	0.92	1.5	0.55

Indicates compound Exceeds NYSDEC USCO
All concentrations in mg/kg
Sample depth range indicated in feet below grade in parentheses

PCBs and Cyanide

One soil sample, B-17 (1.5-2.5), contained PCBs at a concentration of 0.11 mg/kg, slightly exceeding the USCO of 0.1 mg/kg. Cyanide was also detected in the sample at 74 mg/kg,

exceeding the USCO/RRSCO of 27 mg/kg. PCBs and cyanide were not detected exceeding any SCOs in any other soil samples.

PAHs

Polyaromatic hydrocarbons (PAHs) including benzo[a]anthracene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, pyrene, fluoranthene, and indeno(1,2,3-cd)pyrene were identified in five (5) soil samples from five (5) soil borings [B-10(7-8), B-4(4-5), B-9(3-4), B-13(6-7), and B-8(4-5)] at concentrations that exceeded the USCO and RRSCO. The logs of these borings indicated the presence of historic fill which consists of concrete, ash, and brick down to as deep as 8 ft bgs. The soil samples with PAHs exceeding the USCOs is presented in the summary table below.

Table 5.2 - Summary of PAH Exceedances in Soil

Analyte	Part 375-6.8(a) URSCO	Part 375-6.8(b) RRSCO	B-10	B-4	B-9	B-13	B-8
			B-10 (7-8)	B-4 (4-5)	B-9 (3-4)	B-13 (6-7)	B-8 (4-5)
SOIL BY 8270D (MG/KG)							
Fluoranthene	100	100	**2.9**	**41**	**4.1**	**2.8**	**120**
Benzo(a)anthracene	1	1	**1.4**	**16**	**1.7**	**1.1**	**64**
Benzo(a)pyrene	1	1	**1.4**	**14**	**1.6**	**0.95**	**56**
Benzo(b)fluoranthene	1	1	**1.8**	**18**	**2.1**	**1.2**	**69**
Benzo(k)fluoranthene	3.9	0.8	**0.66**	**6**	**0.7**	**0.43**	**25**
Chrysene	3.9	1	**1.5**	**17**	**1.8**	**1**	**61**
Dibenzo(a,h)anthracene	0.33	0.33	**0.22**	**2**	**0.25**	**0.14**	**8.6**
Indeno(1,2,3-cd)pyrene	0.5	0.5	**1**	**9.1**	**1.1**	**0.61**	**36**
Pyrene	100	100	**2.7**	**34**	**3.6**	**2.5**	**120**

Notes:
Bold = Compound Detected
All concentrations in mg/kg
Sample depth range indicated in feet below grade in parentheses
Indicates compound Exceeds NYSDEC USCO
Indicates compound Exceeds NYSDEC RRSCO

Metals

Metals including barium, copper, lead, mercury, nickel, and zinc were identified in twenty-five (25) of 36 at concentrations exceeding their USCO and/or RRSCO. The depth of metals impacts ranged from 1 to 12 feet across the Site exceeding their USCOs. The soil samples with metals exceeding the USCOs and RRSCOs are presented in the summary table below.

Table 5.3 - Summary of Metals Exceedances in Soil

Analyte	Part 375-6.8(a) URSCO	Part 375-6.8(b) RRSCO	B-2 (6-7)	B-7 (1-2)	B-16 (3-4)	B-16 (7-8)	B-1 (2-3)	B-1 (5-6)	B-1 (10-11)	B-6 (10-11)
Barium	350	400	199	174	152	255	97.5	106	416	65.6
Copper	50	270	242	230	22.2	24.4	22.9	57.5	70.3	32.1
Lead	63	400	4.5	122	24.1	7.5	4.24	3.08	3.99	2.68
Mercury	0.18	0.81	ND	ND	2.54	0.076	ND	ND	ND	ND
Nickel	30	310	111	320	357	163	30.5	45.3	138	58.1
Zinc	109	10000	79.3	62.9	63.4	71.5	45.7	39.8	72.9	45.1
Analyte	**Part 375-6.8(a) URSCO**	**Part 375-6.8(b) RRSCO**	**B-10 (2-3)**	**B-10 (7-8)**	**B-10 (11-12)**	**B-15 (3-4)**	**B-15 (6-7)**	**B-4 (4-5)**	**B-9 (3-4)**	**B-13 (3-4)**
Barium	350	400	126	347	295	441	286	197	271	118
Copper	50	270	12.4	53.7	94.8	28.8	25.9	14	21.7	50.3
Lead	63	400	123	431	4.23	192	66.4	126	117	37.9
Mercury	0.18	0.81	ND	ND	ND	ND	ND	0.302	0.238	0.079
Nickel	30	310	5.75	22	17.7	11.1	20.7	8.43	14.4	17.6
Zinc	109	10000	113	204	60.3	216	144	254	198	77.4
Analyte	**Part 375-6.8(a) URSCO**	**Part 375-6.8(b) RRSCO**	**B-13 (6-7)**	**B-8 (5-6)**	**B-3 (6-7)**	**B-19 (4'-5')**	**B-19 (5.5'-6.5')**	**B-12 (3'-4')**	**B-12 (8'-9')**	**B-18 (2'-3')**
Barium	350	400	252	285	267	58	254	85.2	109	117
Copper	50	270	9.82	92.1	54.3	118	63.8	172	121	384
Lead	63	400	357	5.16	3.77	6.72	6.18	6.26	4.25	102
Mercury	0.18	0.81	ND	ND	ND	0.053	0.208	ND	ND	0.555
Nickel	30	310	5.86	44.1	32.7	136	160	249	233	1600
Zinc	109	10000	151	64.7	106	31.2	77.6	50.2	64.6	182
Analyte	**Part 375-6.8(a) URSCO**	**Part 375-6.8(b) RRSCO**	**B-17 (1.5-2.5)**							
Barium	350	400	162							
Copper	50	270	396							
Lead	63	400	24.4							
Mercury	0.18	0.81	0.07							
Nickel	30	310	377							
Zinc	109	10000	160							

Notes:
All concentrations in mg/kg
ND – Compound Not Detected
Sample depth range indicated in feet below grade in parentheses
Indicates compound Exceeds NYSDEC USCO
Indicates compound Exceeds NYSDEC RRSCO

Pesticides

Several pesticides, including dieldrin, 4,4'-DDE, 4,4'-DDD, 4,4'-DDT, and cis-chlordane were identified in eleven (11) samples exceeding USCOs. Depth of pesticide impacts ranged from 2 to 8 feet across the Site. Soil samples with pesticides exceeding USCOs are summarized in the table below.

Table 5.4 - Summary of Pesticide Exceedances in Soil

Analyte	Part 375-6.8(a) URSCO	Part 375-6.8(b) RRSCO	B-10 (2-3)	B-10 (7-8)	B-15 (3-4)	B-15 (6-7)	B-4 (4-5)	
Dieldrin	0.005	0.2	0.00168	0.00386	0.00113	0.0122	0.0234	
4,4'-DDE	0.0033	8.9	0.00392	0.00962	0.00524	0.0162	0.0417	
4,4'-DDD	0.0033	13	0.00286	0.0075	0.00186	0.0102	0.156	
4,4'-DDT	0.0033	7.9	0.0091	0.0307	0.0055	0.0327	ND	
cis-Chlordane	0.094	4.2	0.00323	0.00537	0.0228	0.00765	0.0286	
Analyte	**Part 375-6.8(a) URSCO**	**Part 375-6.8(b) RRSCO**	**B-4 (7-8)**	**B-9 (3-4)**	**B-9 (6-7)**	**B-14 (2-3)**	**B-13 (3-4)**	**B-13 (6-7)**
Dieldrin	0.005	0.2	0.00097	ND	ND	0.0015	0.00162	0.00107
4,4'-DDE	0.0033	8.9	0.00065	0.00647	0.00136	0.00127	0.00152	0.134
4,4'-DDD	0.0033	13	0.00558	0.0183	0.00485	ND	ND	0.00205
4,4'-DDT	0.0033	7.9	0.00153	ND	ND	0.00624	0.00913	0.521
cis-Chlordane	0.094	4.2	ND	0.186	ND	0.0254	0.021	0.00102

Notes:
All concentrations in mg/kg
ND – Compound Not Detected
Sample depth range indicated in feet below grade in parentheses
Indicates compound Exceeds NYSDEC USCO

Emerging Contaminants

Emerging contaminants including Perfluorooctanesulfonic acid (PFOS), Perfluorohexanoic acid (PFHxA), Perfluorooctanoic acid (PFOA), Perfluorooctanesulfonamide (FOSA), and N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) were detected sporadically in soils across the Site. Soil standards have not yet been promulgated for these compounds. PFOS was detected at concentrations ranging from 0.18 ug/kg to 10.6 ug/kg, PFOA was detected at concentrations ranging from 0.057 ug/kg to 0.324 ug/kg, FOSA was detected at concentrations ranging from 0.105 ug/kg to 5 ug/kg, PFHxA was detected at concentrations ranging from 0.054 ug/kg to 0.087 ug/kg, and NEtFOSAA was detected at concentrations ranging from 0.343 ug/kg to 7.07 ug/kg. A summary of PFAS soil sampling detections are presented in

Table 5.9E in Appendix C. Another emerging contaminant, 1,4-dioxane, was analyzed via EPA Method 8270 SIM, but did not exceed the USCO in any samples (see Table 5.9B).

The following conclusions can be made based on the above soil results:

- Soil impacts were identified throughout the soil column and delineated extending down to the weathered bedrock.
- PAH impacts exceeding both USCOs and RRSCOs were identified between 3 and 8 ft bgs across the Site.
- Metals contaminated soils exceeding the RRSCOs were identified in soils from 1 to 11 ft bg. Metals contaminated soils exceeding the USCOs extends down to 12 ft bgs in one sample.
- Pesticides impacted soils exceeding USCOs were identified in soils between 2 and 8 ft bgs at the Site.
- One VOC (TCE) was identified in three (3) soil samples exceeding the USCO at depths between 1 and 8 ft bgs.
- PFOS and PFOA were identified in soil samples throughout the Site, and several other PFAS compounds were sporadically detected in soil samples as well.

5.2 GROUNDWATER

Nine (9) permanent groundwater monitoring wells were sampled on December 19 and 20, 2019. Groundwater samples were analyzed for TCL/TAL+30, PFAS, and 1,4-dioxane.

VOCs

VOCs were detected at concentrations in excess of the AWQS in six of the nine wells sampled, including all wells on the western half of the Site. These include several chlorinated VOCs (cVOCs) such as 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethene (1,1-DCE), cis-1,2 and trans 1,2-dichloroethene, trichloroethene (TCE), vinyl chloride, tetrachloroethene (PCE), and 1,1-dichloroethane, as well as toluene, a petroleum-related constituent. The highest cVOC concentrations were detected in the two deepest wells, MW-8D and MW-9, which contained large bedrock fractures at 36-38 ft bg and 24 ft bg, respectively. MW-8D and MW-9 are located within the footprint of the pre-exiting electroplating vats. The 1,1,1-TCA concentrations in MW-8D and MW-9 (23,000 ug/L and 1,000,000 ug/L, respectively) exceed 1% of the aqueous solubility for 1,1,1-TCA (13,340 ug/L at 25°C) indicating the probable presence of this compound as free phase

dense non-aqueous phase liquid (DNAPL) in the area of these wells. The concentration of 1,1-DCE in MW-9 (28,000 ug/L) also exceeds 1% of the aqueous solubility for 1,1-DCE (22,500 ug/L at 25°C) indicating that this constituent may also be present as free phase DNAPL in the area of this well. The VOC groundwater sampling results exceeding AWQS are presented in the table below.

Table 5.5 - Summary of VOCs Exceeding NYSDEC AWQS

	NY-AWQS	NY-TOGS-GA	MW-5S	MW-5D	MW-7D	MW-8D	MW-9	MW-10
1,1,1-Trichloroethane	5	5	27	18	510	23000	1000000	5300
Toluene	5	5	U	U	7.3	280	7200	68
1,1-Dichloroethene	5	5	2.8	3.1	30	2800	28000	950
Trichloroethene	5	5	270	180	410	1400	3400	3700
Vinyl chloride	2	2	17	17	U	U	U	U
trans-1,2-Dichloroethene	5	5	35	20	U	U	U	U
cis-1,2-Dichloroethene	5	5	32	26	U	U	U	U
1,2-Dichloroethane	0.6	0.6	U	0.28	U	40	U	U
Tetrachloroethene	5	5	3.3	2.6	1.8	U	U	18
1,1-Dichloroethane	5	5	11	13	4.6	3300	U	40

Notes:
All concentrations in ug/L
U = Compound Not Detected
Indicates compound Exceeds NYSDEC AWQS

SVOCs

Several SVOC were detected in three wells at concentrations exceeding their AWQS, including benzo(a)anthracene, benzo(a)pyrene), benzo(k)fluoranthene, benzo(b)fluoranthene, chrysene, and phenol. The SVOC groundwater sampling results exceeding AWQS are presented in the table below.

Table 5.6 - Summary of SVOCs Exceeding NYSDEC AWQS

	NY-AWQS	NY-TOGS-GA	MW-3	MW-9	MW-10
Benzo(a)anthracene	0.002	0.002	0.03	U	U
Benzo(a)pyrene	0	0	0.02	U	U
Benzo(k)fluoranthene	0.002	0.002	U	U	0.01
Benzo(b)fluoranthene	0.002	0.002	0.02	U	0.02
Chrysene	0.002	0.002	0.02	U	0.02
Phenol	1	2	U	2.3	U

Notes:
All concentrations in ug/L
U = Compound Not Detected
Indicates compound Exceeds NYSDEC AWQS

Metals

Several metals including sodium, chromium, iron, magnesium, manganese, and nickel were detected at levels that exceeded the TOGS Class GA AWQS or TOGS maximum groundwater effluent limitations in at least one of the monitoring wells sampled. The metals groundwater sampling results exceeding AWQS are presented in the table below.

Table 5.7 - Summary of Metals Exceeding NYSDEC AWQS

	NY-AWQS	NY-TOGS-GA	MW-1	MW-2	MW-3	MW-5S	MW-5D	MW-7D	MW-8D	MW-9	MW-10
Sodium, Total	20000		218000	882000	459000	363000	356000	314000	225000	187000	181000
Iron, Total	300	600	188	1300	734	6810	10000	91.8	27100	309	115
Manganese, Total	300	600	217.1	5431	806.9	4127	4520	357	3041	594.7	527.3
Magnesium, Total	35000	35000	39400	289000	63800	25500	26700	7610	27400	45700	10300
Nickel, Total	100	200	2.81	7.77	4.71	12970	4426	212.2	400.8	28.21	398.1
Chromium, Total	50	100	1.13	11.79	22.83	70.16	48.08	5.3	0.77	42.94	7937

Notes:
All concentrations in ug/L
Indicates compound Exceeds NYSDEC AWQS

PCBs/Pesticides

One pesticide, dieldrin, was detected in one well (MW-1) at a concentration of 0.005 ug/L, slightly exceeding the AWQS of 0.004 ug/L. No PCBs were detected in any of the groundwater samples in excess of AWQS.

Emerging Contaminants

Two PFAS compounds, perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) were detected in all wells exceeding the NYSDEC action level triggers noted in the NYSDEC Sampling, Analysis, and Assessment of PFAS (January 2021). Total PFAS compound levels were also found to be in excess of the action level trigger in six (6) of the wells. The highest concentrations were identified in the western portion of the Site (MW-5S, MW-5D, MW-7D, MW-8D, MW-9, MW-10), significantly higher than on the eastern half (MW-1, MW-2, MW-3), as illustrated in the table below. The PFOS concentrations in samples MW-5S, MW-5D, MW-9, and MW-10 exceeded the calibration range of the lab instrumentation, and diluted runs were completed for these samples. The table below shows the diluted run PFOS results for these samples.

Table 5.7A – Summary of PFAS Compounds in Groundwater Exceeding Action Levels

Well ID			MW-1	MW-2	MW-3	MW-7D	MW-5S
Sampling Date			12/19/2019	12/19/2019	12/19/2019	12/19/2019	12/20/2019
Lab Sample ID			L1961055-01	L1961055-02	L1961055-03	L1961055-04	L1961258-01
Sample Type			WATER	WATER	WATER	WATER	WATER
	NYS PFAS	Units	Results	Results	Results	Results	Results
Perfluorinated Alkyl Acids by Isotope Dilution							
Perfluorooctanoic Acid (PFOA)	0.01	ug/l	0.016	0.0966	0.025	0.252	0.796
Perfluorooctanesulfonic Acid (PFOS)	0.01	ug/l	0.0938	0.199	0.332	0.386	2.7
PFOA/PFOS, Total	0.5	ug/l	0.11	0.296	0.357	0.638	3.60

Well ID			MW-5D	MW-8D	MW-9	MW-10
Sampling Date			12/20/2019	12/20/2019	12/20/2019	12/20/2019
Lab Sample ID			L1961258-02	L1961258-03	L1961258-04	L1961258-05
Sample Type			WATER	WATER	WATER	WATER
	NYS PFAS	Units	Results	Results	Results	Results
Perfluorinated Alkyl Acids by Isotope Dilution						
Perfluorooctanoic Acid (PFOA)	0.01	ug/l	0.715	0.0717	0.113	0.0796
Perfluorooctanesulfonic Acid (PFOS)	0.01	ug/l	3.14	0.493	1.5	4.31
PFOA/PFOS, Total	0.5	ug/l	3.97	0.565	1.47	4.42

NYS PFAS: NYSDEC Guidelines for Sampling and Analysis of PFAS Groundwater Action Level Trigger (January 2020)
Highlight - Exceeds Action Level Trigger

The following conclusions can be made based on the RIR groundwater results:

- The water bearing zones and the fractures within the rock strata were delineated vertically using borehole geophysics combined with the geotechnical investigation. It was determined that the water bearing zone depth generally ranges from 12-24 ft bgs. Below this zone, the rock was found to be generally solid with identified micro fractures, except for one water-bearing fracture between 36-38 ft bgs in borehole MW-8D. Additional bedrock characterization was conducted during the SRI-1 (Appendix J).
- Dissolved CVOC exceedances are present on the western half of the Site underneath the former electroplating operation. The highest CVOC concentrations are present in the southwestern-most corner of the Site in wells MW-8D, MW-9, and MW-10 and are indicative of possible free phase DNAPL.
- Dissolved toluene (a petroleum hydrocarbon) exceedances are also present on the western half of the Site in four (4) wells, including a maximum concentration of 7,200 ug/L in MW-9D, also underlying the former electroplating operation and co-located with the highest cVOC concentrations.
- The 1,1,1-TCA concentration in MW-9 is at least two (2) orders of magnitude higher than the second highest concentration detected (MW-8D), and five (5) orders of magnitude

higher than the concentrations in MW-5S/MW-5D, located just 45 feet to the east. Similarly, concentrations of toluene and 1,1-DCE in MW-9 are 1-3 orders of magnitude higher than all other wells in which the compounds were detected.

- TCE concentrations are highest in MW-10, indicating an increasing trend in the downgradient direction. Three common TCE breakdown products (cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride) were detected above TOGS AWQS in the MW-5S/MW-5D cluster well location.
- PCE was detected exceeding TOGS AWQS in MW-10, and detected below TOGS AWQS in MW-5S and MW-5D.
- Dissolved SVOCs were identified in three wells including MW-3 on the eastern portion of the Site, and wells MW-9 and MW-10 on the western portion.
- PFOA and PFOS were detected in excess of their respective NYSDEC action levels in all wells, and total PFAS was in excess of the action level in six of the wells on the western half of the Site. The highest concentrations were detected on the western half of the Site.
- On the East side of the side the highest PFAS levels were detected in MW-3 (357 ng/l), which is the most upgradient well of the Site. The PFAS levels were lower in MW-2 (296 ng/l), which is downgradient of MW-3, and lowest in MW-1 (110 ng/l) in the northeast corner. Concentrations in all three wells were significantly lower than those on the western half where concentrations as high as 4,830 ng/l were detected. In addition, the original grade of the eastern half of the Site was significantly higher than the western side and therefore upgradient.
- Several metals exceeded their AWQS sporadically across the Site. The majority of the detected metals (sodium, magnesium, manganese, and iron) are secondary contaminants and their exceedances may be the result of background/naturally occurring levels. Chromium and nickel were detected in the western portion of the Site only and may be related to historic electroplating operations.
- One pesticide, dieldrin, was detected in one well (MW-1) slightly exceeding the AWQS. No PCBs were detected in excess of the AWQS.
- The weathered rock below the soils was found impacted with petroleum LNAPL in one isolated location as described in Section 5.4 below. In addition, it was determined that this layer was impacted with contaminated groundwater because the layer is within the

seasonal groundwater table variation.

The following additional conclusions can be made based on the SRI-1 groundwater results included in Appendix J:

East Side of the Site:

- Analytical data from monitoring wells installed on the eastern side of the site indicates elevated levels of PFAS and a concentration of xylene in monitoring well MW-202 above AWQS. However, the groundwater in New Rochelle is not used as a drinking water source and these exceedances are limited in their area.

West Side of the Site:

- The supplemental investigation confirmed the findings of the RIR conducted in December 2019 and reported in February 2020. The Site geology is formed of competent rock with water bearing fractures and potentially transmissive micro-fractures. The fractures were identified at different elevation depending on the location on the Site.
- The same contaminants of concern (COCs) including the CVOCs, toluene, PFOS/PFOA, and 1,4 dioxane were identified in both the RI and the SRI. There was significant drop in the CVOC, PFOS, PFOA, and toluene concentrations from the RI compared to the SRI-1 data as result of the dewatering conducted during the IRM.
- The source area was further delineated as a result of the SRI-1 as shown in Figures SRI1-A and SRI1-B.

The following additional conclusions can be made based on the SRI-2 groundwater results included in Appendix K:

West Side of the Site:

- The vertical trend has shown significant decrease of the groundwater CVOC concentrations with depth. The horizontal trend has also shown significant decrease in the CVOC concentrations downgradient (westward and southward) in the wells installed at the western and southern property borders. These trends indicate that the plume has been delineated vertically and horizontally.
- Based on the vertical trend that is decreasing with depth, no source area was identified in the deep rock aquifer. The extent of the CVOC source appears to be limited to the area around wells MW-207, MW-208 and MW-209 installed during the initial remedial

investigation (RI) at elevation 28-48 ft-amsl.

5.3 SOIL GAS RESULTS

The cVOC 1,1-Dichloroethene was identified at two locations and TCE was identified at 3 location exceeding their respective lower threshold values when compared to the applicable NYSDOH 2017 Matrix A. The cVOC 1,1,1-TCA was identified at one location exceeding its respective lower threshold value when compared to the applicable NYSDOH 2017 Matrix B. Soil vapor exceedances are presented in the table below.

Table 5.8 - Summary Soil Vapor VOCs results

	Units	NYSDOH Standards		SV-1	SV-2	SV-5
		NY-SSC-A	NY-SSC-B			
1,1-Dichloroethene	ug/m3	6		16	U	1110
Trichloroethene	ug/m3	6		53.5	11.4	184
1,1,1-Trichloroethane	ug/m3		100	81.8	17.4	15100

Notes:
Indicates compound Exceeds NYSDOH Matrices threshold (May 2017)

Conclusions of the soil vapor results include the following:

- 1,1-Dichloroethene exceeded the NYSDOH Matrix A screening values in SV-1 and SV-5, which are located in the western portion of the Site. The compound was also detected in groundwater in this area of the Site.
- TCE exceeded the NYSDOH Matrix A screening value in three locations at the Site. The two highest concentrations (SV-1 and SV-5) are located in the western portion of the Site. The remaining location, SV-2, is located just outside the former building footprint in the center of the Site. TCE was also detected in groundwater at elevated concentrations beneath the western half of the Site.
- An elevated concentration of 1,1,1-TCA well above the NYSDOH Matrix B screening value was detected in SV-5, corresponding to the location of the most elevated concentration detected in groundwater (MW-9).

5.4 LNAPL DISCOVERY AND DELINEATION

LNAPL (Light Non-Aqueous Phase Liquid) was identified in geotechnical boring SB-101 (located in the northwest corner of the parking lot) during the geotechnical investigation. The LNAPL was identified at approximately 18.5 ft bgs, approximately five (5) feet below the observed weathered rock depth (13.5 feet) in the boring. A sample of the LNAPL was collected on March 27, 2020 for fingerprint analysis. The fingerprint analysis did not produce a match, and no VOCs were detected in the sample, indicating that the NAPL is highly weathered since it has no more detectable volatiles. Fingerprint analysis results were submitted to NYSDEC on April 8, 2020, and are included in **Appendix L**. In order to confirm the presence of LNAPL, a monitoring well (FP-1) was installed immediately next to SB-101. No LNAPL was detected in the well, although an elevated PID reading (97 ppm) was noted in the well. Three (3) temporary wells (TW-1, TW-2, TW-3) were installed 10 feet to the west, south, and east of FP-1, respectively, to delineate the LNAPL. No LNAPL was measured in the temporary wells, and no PID readings were noted. LNAPL at the Site is considered to be delineated at this time. The LNAPL and delineation well locations are shown on **Figure 7**.

6.0 REMEDIAL INVESTIGATION FINDINGS AND SUMMARY

6.1 CONCEPTUAL SITE MODEL

Soil impacts were identified throughout the soil column and delineated extending down to the weathered rock, which in certain areas was very shallow (3 ft bgs), and in other areas relatively shallow (12 ft bgs) across the Site. PAH impacts exceeding both USCOs and RRSCOs were identified between 3 and 8 ft bgs across the Site. Metals contaminated soils exceeding the RRSCOs were identified in soils from 1 to 11 ft bg. Metals contaminated soils exceeding the USCOs extends down to 12 ft bgs in one sample. Pesticides impacted soils exceeding USCOs were identified in soils between 2 and 8 ft bgs at the Site. One VOC (TCE) was identified in three (3) soil samples exceeding the USCO at depths between 1 and 8 ft bgs.

The applicable standards criteria and guidance (SCGs) for the Site groundwater are the NYSDEC TOGS 1.1.1 AWQS. The Site's groundwater has been significantly impacted with chlorinated VOCs, toluene (a petroleum hydrocarbon), as well as chromium and nickel underneath the western half of the Site due to historical site operations. Chlorinated VOCs 1,1,1-TCA and 1,1-DCE were present in two wells on the western portion of the Site at concentrations indicative of DNAPL. Chlorinated VOCs were also found to be present in deeper bedrock fractures

during the Supplemental RI at significantly lower overall concentrations due to construction dewatering/aquifer pumping that occurred during the IRM. Results of SRI-2 indicate that the vertical trend has shown significant decrease in groundwater CVOC concentrations with depth. The horizontal trend noted in SRI-2 has also shown significant decrease in the CVOC concentrations downgradient (westward) in the off-site wells that were installed near the property boundary. These trends indicate that the plume has been delineated vertically and horizontally. Groundwater is also impacted to a lesser extent by PAH compounds and secondary metals above NYSDEC TOGS AQWS groundwater standards that could be attributed either to potential leaching from historic fill or background/naturally occurring conditions.

The Site groundwater flow direction is to the southwest. No groundwater was identified within the soil column and all groundwater beneath the Site was identified within the bedrock. Water-bearing fractures in the bedrock were generally identified between 12 and 24 ft bgs, with generally fewer fractures and more competent bedrock present beneath this depth based on borehole geophysical logging conducted during the RI and the results of SESI's geotechnical investigation completed in September 2019. Additional borehole geophysical logging conducted during the Supplemental RI indicated that the deeper Site geology is formed of competent rock with water bearing fractures. The fractures were identified at different elevations depending on the location on the Site.

The pathway of the contaminated groundwater to human receptors is limited to the ingestion of the groundwater or direct exposure through excavation work. However, groundwater in this area of New Rochelle is not used for drinking. In addition, the impacted Site groundwater is not likely to have an ecological pathway.

Finally, the cVOCs detected in soil vapor can result in soil vapor intrusion into the future on-Site buildings. A sub-slab depressurization system with the foundation sealed by a soil vapor barrier are recommended to be installed beneath the future on-Site buildings to mitigate the potential for vapor intrusion.

6.2 HUMAN HEALTH EXPOSURE ASSESSMENT

There are potential exposure pathways related to the contamination if left unaddressed:

The pathway of the contaminated groundwater to human receptors is limited to the direct ingestion of the groundwater or direct exposure through excavation work. Groundwater was found to contain CVOC at levels that exceed the AWQS. However, groundwater in this area in

New Rochelle is not used for drinking water and once the site is redeveloped, excavation to the depths at which groundwater is present (between 16-18 ft bgs) is unlikely. After source zone treatment occurs, the groundwater will naturally attenuate with time and is not anticipated to be a pathway for human heath exposure in the future post remediation and mitigation.

PAHs, metals, and pesticides exceedances of the RRSCOs in the Site soil that consist of contaminated fill from 0 to approximately 12 ft bgs pose a direct exposure risk to human health. The exposure pathway to humans can be through direct dermal contact with the contaminated soils or incidental ingestion. However, the soil source will be removed through Site remediation activities, which call for the source removal excavation of all on-Site soils above the bedrock.

The cVOC levels in the Site soil vapors were found to exceed the NYSDOH Matrix A and B threshold values. The exposure route for soil vapor through the inhalation of the contaminated soil vapor that may intrude into the enclosed spaces of any planned Site development will be mitigated by a sub-slab depressurization system after the foundation is sealed with a vapor barrier to prevent intrusion via any potential cracks in the foundation in the future as the groundwater is attenuating.

6.3 FISH AND WILDLIFE RESOURCES IMPACT ANALYSIS

The Site was evaluated based on the criteria listed in DER-10 Section 3.10.1(b), and based on the fact that the Site is an urban site which is not proximate to a surface water body, wetland or other ecologically significant area, and that there is no habitat of an endangered, threatened or special concern species present, an FWRIA is not needed.

6.4 DATA USABILITY SUMMARY REPORT

To validate laboratory analytical data, Data Usability Summary Reports (DUSR) for each laboratory analytical data package have been prepared. To ensure that the field sampling and laboratory analytical practices were acceptable, the data associated with all the samples were validated by a third party (in accordance with requirements of DER-10). The validation approach and results are presented in the DUSRs and are included in this RIR. The DUSR results are presented in **Appendix I**.

The DUSR includes data sets from this phase of the remedial investigation. The DUSR was carried out as specified in DER-10 to evaluate the quality control measures that were implemented during the field and laboratory analytical programs, with the objective of determining whether the reported analytical data are representative and usable for decision making. The

DUSR evaluated whether the data are technically defensible (i.e. were all analytical data requirements met and documented?). Data usability analysis reviews the Site data to determine whether they are adequate to draw conclusions regarding the nature and extent of contamination.

The items that were reviewed as part of the DUSR include the following:

- Completeness (number of samples collected and analyzed compared to plans)
- Chains of custody are complete and accurate
- Holding times
- Instrument calibration
- Relative percent difference between field duplicates
- Reasonableness of data (e.g. relationships between total and soluble analytes)
- Blank contamination

The DUSRs for the soil, groundwater and soil vapor samples analyzed by Alpha Analytical showed that the overall performances of the analyses are acceptable and did fulfill the requirements of the analytical methods. The DUSR from the SRI-2 is currently pending. The samples were analyzed within the USEPA SW-846 holding times. None of the analytical data changed based on the DUSR. All results are usable as reported or usable with minor modification due to sample matrix or laboratory quality control outliers, with a few exceptions which are explained below:

Groundwater

- Samples MW-5S, MW-5D, MW-9, MW-10, and DUP were diluted or re-analyzed for perfluorooctanesulfonic acid due to original analysis exceeding the calibration range. For perfluorooctanesulfonic acid results in samples MW-5S, MW-5D, MW-9, MW-10, and DUP, the diluted or re-analyzed results should be considered the most usable. The initial MW-5S, MW-5D, MW-9, MW-10, and DUP results should not be considered usable for perfluorooctanesulfonic acid. Results presented in this report (Table 5.7A) are of the diluted analysis for these samples.

- The SVOC nondetect results for benzoic acid in samples MW-1, MW-2, MW-3, MW-7D, and FB were rejected (R) due to severely low for LCS/LCSD percent recoveries. The results are not usable for project objectives, which may have a major impact on the data usability. However, benzoic acid is not a COC at the Site.

- Sample MW -206DL was diluted for 1,1,1-trichloroethane due to original analysis

exceeding the calibration range. For the 1,1,1-trichloroethane result in sample MW-206DL, the diluted result should be considered the most usable. The MW-206 result should not be considered usable for 1,1,1-trichloroethane.

- Sample MW-209S (62.5-67.5)DL was diluted for perfluorooctanesulfonic acid due to original analysis exceeding the calibration range. For the perfluorooctanesulfonic acid result in sample MW-209S (62.5-67.5)DL, the diluted results should be considered the most usable. The MW-209S (62.5-67 .5) result should not be considered usable for perfluorooctanesulfonic acid.

- Sample MW-207D was diluted for perfluorooctanesulfonic acid due to original analysis exceeding the calibration range. For the perfluorooctanesulfonic acid result in sample MW-207DDL, the diluted result should be considered the most usable. The MW-207D result shouldnot be considered usable for perfluorooctanesulfonic acid.

- Samples MW-210D and MW-210I were diluted for 1,1,1-trichloroethane and perfluorooctanesulfonic acid due to original analysis exceeding the calibration range. For the 1,1,1-trichloroethane and perfluorooctanesulfonic acid results in samples MW-210DDL and MW-210IDL, the diluted results should be considered the most usable. The MW-210D and MW-210I results should not be considered usable for 1,1, !-trichloroethane and perfluorooctanesulfonic acid.

- Sample MW-210S was diluted for trichloroethene and perfluorooctanesulfonic acid due to original analysis exceeding the calibration range. For the trichloroethene and perfluorooctanesulfonic acid results in sample MW-210SDL, the diluted results should be considered the most usable. The MW-210S results should not be considered usable for trichloroethene and perfluorooctanesulfonic acid.

- Sample MW -208D was diluted for perfluorooctanesulfonic acid due to original analysis exceeding the calibration range. For the perfluorooctanesulfonic acid result in sample MW- 208DDL, the diluted result should be considered the most usable. The MW-208D result should not be considered usable for perfluorooctanesulfonic acid.

Soil Vapor

- Sample SV-5 was diluted for 1,1,1-trichloroethane due to original analysis exceeding the calibration range. For the 1,1,1-trichloroethane result in sample SV-5, the diluted result should be considered the most usable.

Soil

- Samples B-16 (7-8), B-15 (3-4), and B-15 (6-7) were re-analyzed for VOC at medium level since the acetone results were over the calibration range in the low-level analysis. All the acetone results were non-detect in the re-analysis. For all VOC results in samples B-16 (7-8), B-15 (3-4), and B-15 (6-7), the original results should be considered the most usable. The VOC results should not be considered usable for samples B-16 (7-8)RE, B-15 (3-4)RE, and B-15 (6-7)RE.

- The PFAS non-detect results for perfluorotridecanoic acid in samples B-2 (3-4) and B-1 (5-6) were rejected (R) due to severely low labeled compound percent recoveries. The results are not usable for project objectives. However, perfluorotridecanoic acid is not a COC at the Site.

- Samples B-4 (7-8), B-9 (3-4), B-8 (4-5), B-8 (5-6), B-3 (4-5), B-3 (6-7), and DUP were re-analyzed for VOC at medium level since the acetone results were over the calibration range in the low-level analysis. All the acetone results were non-detect in the re-analysis. For all VOC results in samples B-4 (7-8), B-9 (3-4), B-8 (4-5), B-8 (56), B-3 (4-5), B-3 (6-7), and DUP, the original results should be considered the most usable. The VOC results should not be considered usable for samples B-4 (7-8)RE, B-9 (3-4)RE, B-8 (4-5)RE, B-8 (5-6)RE, B-3 (4-5)RE, B-3 (6-7)RE, and DUPRE. Acetone is not a COC at the Site.

- Sample B-8 (4-5) was re-analyzed at a dilution in the SVOC analysis because the fluoranthene, phenanthrene, and pyrene results were over the calibration range in the initial analysis. For fluoranthene, phenanthrene, and pyrene results in sample B-8 (4-5), the dilution should be considered the most usable.

- Sample B-4 (4-5) was re-analyzed at a dilution in the pesticides analysis because the 4,4'-DDD result was over the calibration range in the initial analysis. For the 4,4' -DDD result in sample B4 (4-5), the dilution should be considered the most usable.

- Sample B-9 (3-4) was re-analyzed at a dilution in the pesticides analysis because the trans-chlordane and cis-chlordane results were over the calibration range in the initial analysis. For the trans-chlordane and cis-chlordane results in sample B-9 (3-4), the dilution should be considered the most usable.

- Sample B-13 (6-7) was re-analyzed at a dilution in the pesticides analysis because the 4,4'-DDT result was over the calibration range in the initial analysis. For the 4,4' -DDT result

in sample B13 (6-7), the dilution should be considered the most usable.

- Sample B-12 (8'-9') was diluted for trichloroethene due to original analysis exceeding the calibration range. For trichloroethene results in sample B-12 (8'-9'), the diluted results should be considered the most usable. For all results in sample B-12 (8'-9') except trichloroethene, the original results should be considered the most usable.

6.5 RECOMMENDATIONS

6.5.1 Summary of RI Results

The RI resolved the missing data gaps building on prior investigations and completed the nature and extent delineation in all on-site media of contamination at the Site to the extent required to determine a remedial action for the Site. Track 1 through 4 cleanup remedies will be evaluated in the Remedial Action Work Plan (RAWP).

Based on the field investigation, the overall depth of impacted soils ranged from 1 to 12 ft bgs including PAHs and metals exceeding RRSCOs. The Site's groundwater, located in the weathered/decomposed and fractured bedrock layers, is heavily impacted with chlorinated VOCs (cVOCs), and contains PAHs and metals above NYSDEC AQWS, as well as PFAS compounds and 1,4-dioxane above current Maximum Contaminant Levels. The Site soil vapor also contains cVOCs exceeding NYSDOH soil vapor intrusion criteria.

In order to render the Site usable for future development, the RAWP will address the remedial alternatives to limit the exposure to the impacted soils and mitigate the impact to groundwater from on-site sources. It will also include measures to mitigate exposures to any VOC vapor intrusion into the proposed development.

6.5.2 Data Limitations and Recommendations for Future Work

The RI results provide sufficient data to develop a feasible, conceptual remedy for the impacted groundwater, soils, and soil vapor.

6.5.3 Recommended Remedial Action Objectives

The RI has determined that remedial action needs to be implemented to remediate the contaminated soil via remedial source removal of all on-Site soils. A remedial action is also

required to address the contaminated groundwater beneath the western half of the Site. In addition, a remedial action is required to address the potential for vapor intrusion from soil vapor contamination. The specific alternatives proposed will be fully evaluated in the RAWP.

7.0 DEVIATIONS FROM THE RIWP

- Proposed installation of 11 overburden monitoring wells was not conducted due to the lack of any groundwater identified in overburden soils across the Site. Eight (8) bedrock monitoring wells were installed.
- One soil vapor point, SV-6, was not completed due to the presence of shallow groundwater in the boring.
- Two soil vapor points, SV-2 and SV-9, were relocated to the eastern edge of the former building footprint due to refusal at the original locations.
- Well screen depths for monitoring wells MW-7D and MW-10D were adjusted from 25-35 ft bgs to 15-25 ft bgs due to shallow bedrock fractures identified during drilling at these well locations, and more competent bedrock below 25 feet, which eliminated the need to screen the wells at a deeper interval. SESI informed the NYSDEC project manager of this deviation via email on December 5, 2019.
- Well MW-5S was installed to capture groundwater within a shallow bedrock fracture identified at this location.

8.0 REFERENCES

A. Phase I Environmental Site Assessment (ESA), prepared by Nelson, Pope & Voorhis, LLC (NP&V), dated April 21, 2017

B. Limited Phase II ESA, prepared by NP&V, dated June 1, 2017

C. Augmented Phase I Environmental Site Assessment, 33-35 Centre Avenue, New Rochelle, NY, prepared by WCD Group, October 2017

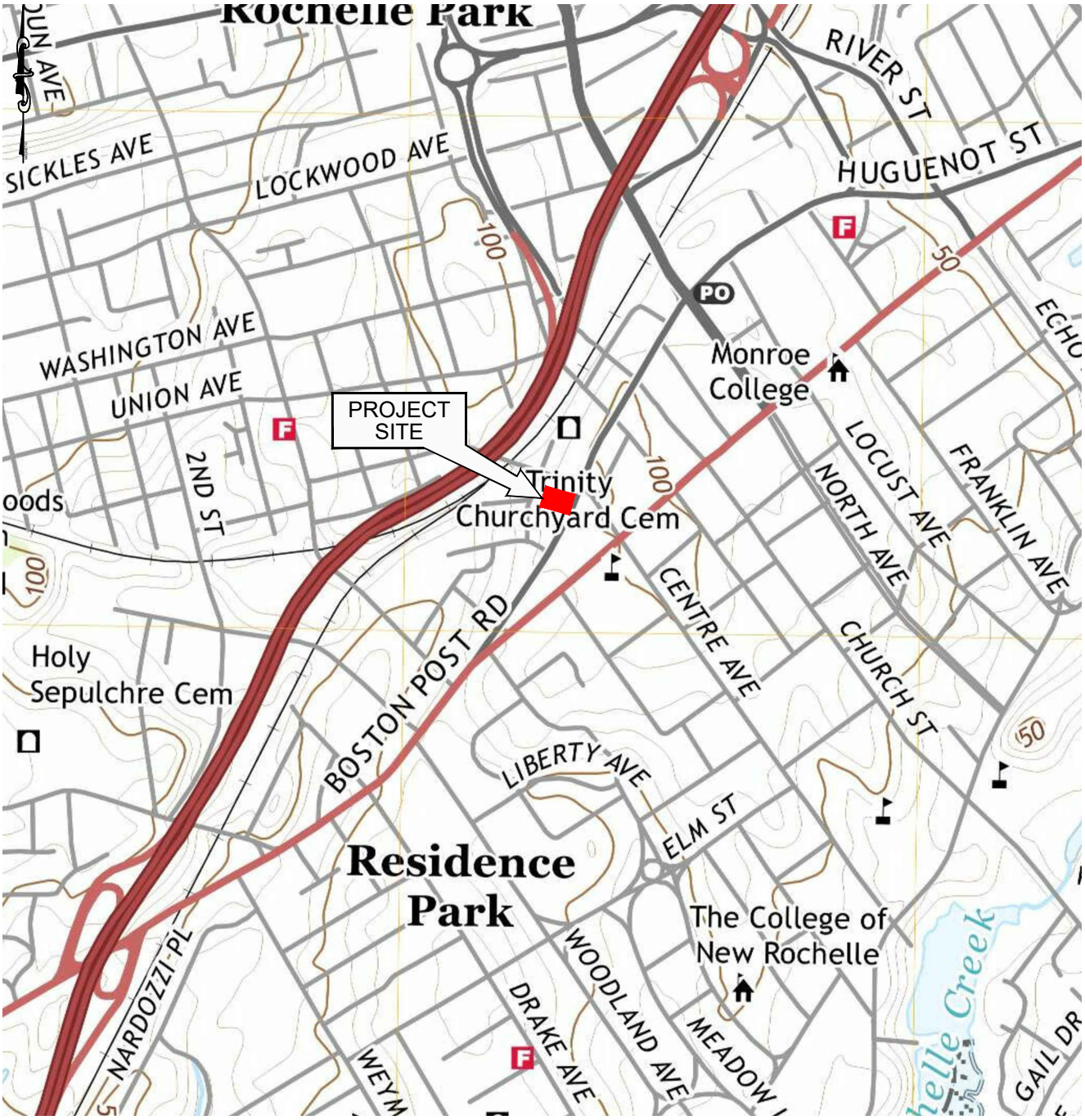
D. Environmental Fieldwork Report, prepared by WCD, dated October 27, 2017

E. Phase II Environmental Site Assessment, 33-35 Centre Avenue, New Rochelle, NY, prepared by WCD Group, January 2018.

F. Remedial Investigation Work Plan, Centre Avenue Development – South – BCP 360182, by SESI, August 2019.

APPENDIX A

Figures



REFERENCE:
BASE MAP ACQUIRED FROM UNITED STATES GEOLOGICAL SURVEY, DATED 2019.

Scale 1" = 1000'

0 1000 2000

1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES

HUGUENOT PARTNERS, LLC
33 CENTRE AVENUE
SECTION NO. 2, BLOCK NO. 437
LOTS 1,3, AND 42
NEW ROCHELLE, NEW YORK

SITE LOCATION PLAN

SESI CONSULTING ENGINEERS D.P.C.

SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL

12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

FIG-1

DRAWN BY: aas
CHECKED BY: SSG
SCALE: AS NOTED
DATE: 01/22/2020
JOB NO.: 0000

N:\ACAD\10567\CADD\10567 SITE LOCATION PLAN.DWG 01/22/20 09:35:13AM, aas, LAYOUT:FIG-1

NOTE:
THIS PLAN IS FOR LOCATING SITE BOUNDARIES ONLY.

LEGEND:

- PROPERTY LINE

Scale 1" = 80'

0 80 160

NYS Education Law
Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

© SESI CONSULTING ENGINEERS D.P.C. 2021
This drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.

REFERENCE
1. MAP ACQUIRED FROM WESTCHESTER GIS DATABASE, DATED 2019.

SESI
CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

dwg by: aas
chk by: SSG
scale: AS NOTED
date: 03/16/2021

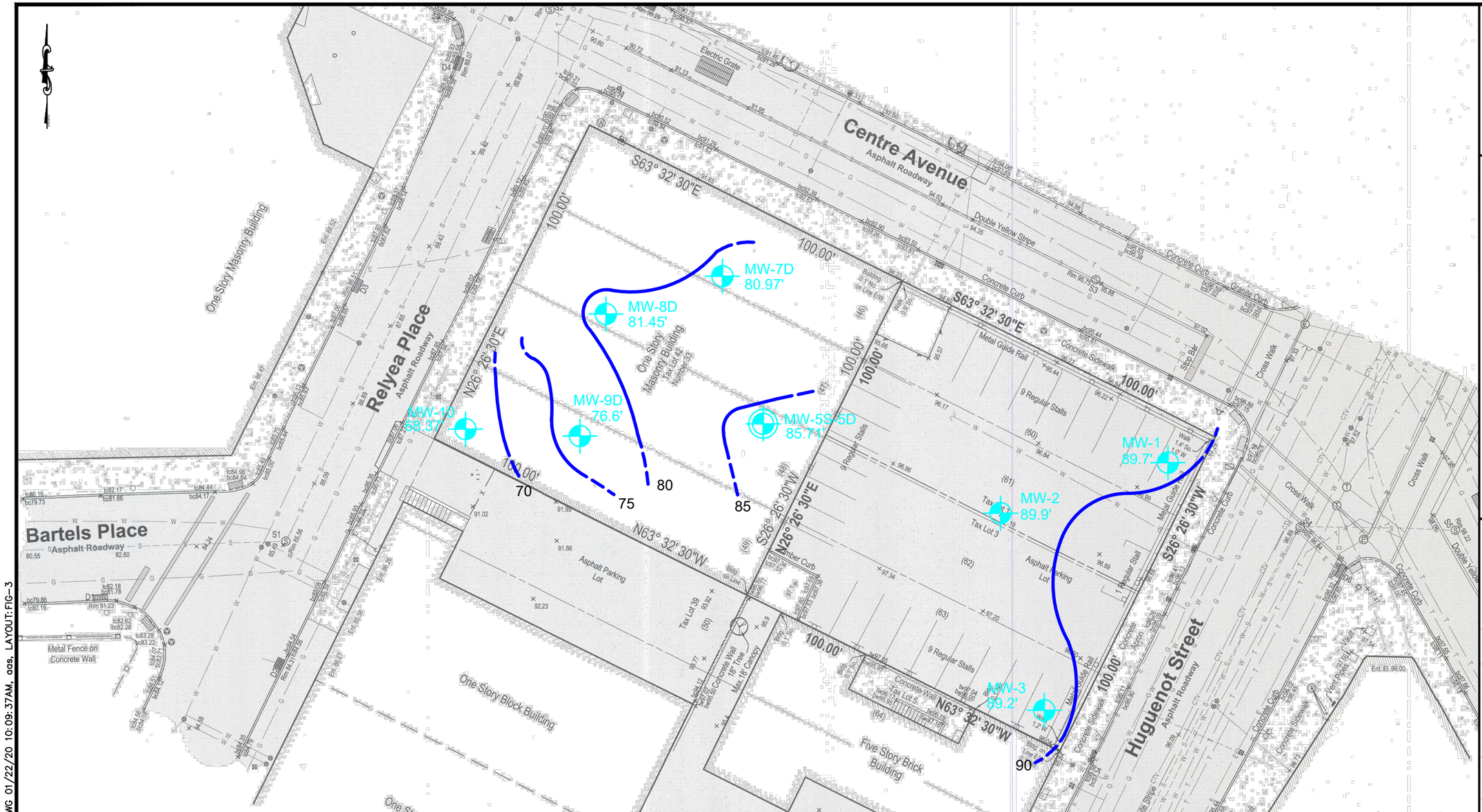
HUGUENOT PARTNERS, LLC
33 CENTRE AVENUE
SECTION NO.2, BLOCK NO. 437 LOTS 1, 3, AND 42
NEW ROCHELLE, NEW YORK

SITE PLAN

job no: 10567
drawing no:

FIG-2

N:\ACAD\10567\CADD\10567 SITE PLAN.DWG 03/16/21 05:17:49PM, jenny, LAYOUT:FIG-2



LEGEND:

MW-3	-	MONITORING WELL LOCATION AND ELEVATION
MW-5S/5D	-	SHALLOW/DEEP NESTED MONITORING WELL LOCATION
90	-	GROUNDWATER CONTOURS (DASHED WHERE INFERRED)
89.2'	-	MEASURED GROUNDWATER ELEVATION IN FT AMSL

NYS Education Law
Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

© SESI CONSULTING ENGINEERS D.P.C. 2020
This drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.

REFERENCE
1. EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "BOUNDARY SURVEY OF LOTS 46 THRU 49 AND 60 THRU 63 INCL. MAP OR PROPERTY BELONGING TO MARIA R. LAWTON, DECEASED" PREPARED BY H2M ARCHITECTS AND ENGINEERS DATED SEPT. 28, 2018.

SCALE: 1"=30'
0 30 60

N:\ACAD\10567\CADD\10567-SOIL IRM 2020.DWG 01/22/20 10:09:37AM, gas, LAYOUT:FIG-3

dwg by: aas
chk by: SSG
scale: AS NOTED
date: 1/15/2020

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

project: HUGUENOT PARTNERS, LLC
33 CENTRE AVENUE
SECTION NO. 2, BLOCK NO. 437
LOTS 1, 3 AND 42
NEW ROCHELLE, NEW YORK

drawing title: GROUNDWATER CONTOUR MAP

job no: 10567
drawing no:

FIG-3

	NYSDEC RESTRICTED COMMERCIA	NYSDEC RESTRICTED INDUSTRIAL	NYSDEC RESIDENTIAL	NYSDEC Restricted Residential	NYSDEC Unrestricted Use
Dieldrin	1.4	2.8	0.039	0.2	0.005
4,4'-DDE	62	120	1.8	8.9	0.0033
4,4'-DDD	92	180	2.6	13	0.0033
4,4'-DDT	47	94	1.7	7.9	0.0033
cis-Chlordane	24	47	0.91	4.2	0.094
PCBs, Total	1	25	1	1	0.1
Fluoranthene	500	1000	100	100	100
Benzo(a)anthracene	5.6	11	1	1	1
Benzo(a)pyrene	1	1.1	1	1	1
Benzo(b)fluoranthene	5.6	11	1	1	1
Benzo(k)fluoranthene	56	110	1	3.9	0.8
Chrysene	56	110	1	3.9	1
Phenanthrene	500	1000	100	100	100
Dibenzo(a,h)anthracene	0.56	1.1	0.33	0.33	0.33
Indeno(1,2,3-cd)pyrene	5.6	11	0.5	0.5	0.5
Pyrene	500	1000	100	100	100
3-Methylphenol/4-Methylphenol	500	1000	34	100	0.33
Barium, Total	400	10000	350	400	350
Copper, Total	270	10000	270	270	50
Lead, Total	1000	3900	400	400	63
Mercury, Total	2.8	5.7	0.81	0.81	0.18
Nickel, Total	310	10000	140	310	30
Zinc, Total	10000	10000	2200	10000	109
Trichloroethene	200	400	10	21	0.47
Trichloroethene	200	400	10	21	0.47

Sample Location (Sample Depth)	B-1 (2-3)
SAMPLING DATE	9/10/2019
Nickel, Total	30.5

Sample Location (Sample Depth)	B-1 (5-6)
SAMPLING DATE	9/10/2019
Copper, Total	57.5
Nickel, Total	45.3

Sample Location (Sample Depth)	B-1 (10-11)
SAMPLING DATE	9/10/2019
Barium, Total	416
Copper, Total	70.3
Nickel, Total	138

Sample Location (Sample Depth)	B-3 (6-7)
SAMPLING DATE	9/11/2019
Copper, Total	54.3
Nickel, Total	32.7

Sample Location (Sample Depth)	B-2 (6-7)
SAMPLING DATE	9/10/2019
Copper, Total	242
Nickel, Total	111

Sample Location (Sample Depth)	B-17 (1.5-2.5)
SAMPLING DATE	10/30/2019
Copper, Total	396
Nickel, Total	577
Zinc, Total	160

Sample Location (Sample Depth)	B-4 (4-5)
SAMPLING DATE	9/11/2019
Dieldrin	0.0234
4,4'-DDE	0.0417
4,4'-DDD	0.156 E
Benzo(a)anthracene	16
Benzo(a)pyrene	14
Benzo(b)fluoranthene	18
Benzo(k)fluoranthene	6
Chrysene	17
Dibenzo(a,h)anthracene	2.1
Indeno(1,2,3-cd)pyrene	9.1
Lead, Total	126
Mercury, Total	0.302
Zinc, Total	254

Sample Location (Sample Depth)	B-4 (4-5)
SAMPLING DATE	9/11/2019
4,4'-DDD	0.173

Sample Location (Sample Depth)	B-4 (7-8)
SAMPLING DATE	9/11/2019
4,4'-DDD	0.00558

Sample Location (Sample Depth)	B-9 (3-4)
SAMPLING DATE	9/11/2019
4,4'-DDE	0.00647
4,4'-DDD	0.0183
cis-Chlordane	0.186 IPE
Benzo(a)anthracene	1.7
Benzo(a)pyrene	1.6
Benzo(b)fluoranthene	2.1
Chrysene	1.8
Indeno(1,2,3-cd)pyrene	1.1
Lead, Total	117
Mercury, Total	0.238
Zinc, Total	198

Sample Location (Sample Depth)	B-9 (3-4)
SAMPLING DATE	9/11/2019
cis-Chlordane	0.281 IP

Sample Location (Sample Depth)	B-9 (6-7)
SAMPLING DATE	9/11/2019
4,4'-DDD	0.00485

Sample Location (Sample Depth)	B-6 (10-11)
SAMPLING DATE	9/10/2019
Nickel, Total	58.1

Sample Location (Sample Depth)	B-16 (3-4)
SAMPLING DATE	9/10/2019
Mercury, Total	2.54
Nickel, Total	357
Trichloroethene	1.5
Sample Location (Sample Depth)	B-16 (7-8)
SAMPLING DATE	9/10/2019
Nickel, Total	163
Trichloroethene	0.55

Sample Location (Sample Depth)	B-7 (1-2)
SAMPLING DATE	9/10/2019
Copper, Total	230
Lead, Total	122
Nickel, Total	320
Trichloroethene	0.92

Sample Location (Sample Depth)	B-19 (4-5)
SAMPLING DATE	10/30/2019
Copper, Total	118
Nickel, Total	136
Sample Location (Sample Depth)	B-19 (5.5-6.5)
Copper, Total	63.8
Nickel, Total	160
Mercury, Total	0.208

Sample Location (Sample Depth)	B-12 (3-4)
SAMPLING DATE	10/30/2019
Copper, Total	172
Nickel, Total	249
Sample Location (Sample Depth)	B-12 (8-9)
Copper, Total	121
Nickel, Total	233

Sample Location (Sample Depth)	B-18 (2-3)
SAMPLING DATE	10/30/2019
Copper, Total	384
Lead, Total	102
Nickel, Total	1600
Mercury, Total	0.555
Zinc, Total	182

Sample Location (Sample Depth)	B-8 (4-5)
SAMPLING DATE	9/11/2019
Fluoranthene	120 E
Benzo(a)anthracene	64
Benzo(a)pyrene	56
Benzo(b)fluoranthene	69
Benzo(k)fluoranthene	25
Chrysene	61
Dibenzo(a,h)anthracene	8.6
Indeno(1,2,3-cd)pyrene	36
Pyrene	120 E
3-Methylphenol/4-Methylphenol	0.43 J
Sample Location (Sample Depth)	B-8 (4-5)
SAMPLING DATE	9/11/2019
Fluoranthene	150
Phenanthrene	100
Pyrene	130
Sample Location (Sample Depth)	B-8 (5-6)
SAMPLING DATE	9/11/2019
Copper, Total	92.1
Nickel, Total	44.1

Sample Location (Sample Depth)	B-13 (3-4)
SAMPLING DATE	9/11/2019
4,4'-DDT	0.00913
Copper, Total	50.3
Sample Location (Sample Depth)	B-13 (6-7)
SAMPLING DATE	9/11/2019
4,4'-DDE	0.134
4,4'-DDT	0.521 E
Benzo(a)anthracene	1.1
Benzo(b)fluoranthene	1.2
Chrysene	1
Indeno(1,2,3-cd)pyrene	0.61
Lead, Total	357
Zinc, Total	151
Sample Location (Sample Depth)	B-13 (6-7)
SAMPLING DATE	9/11/2019
4,4'-DDT	0.589

Sample Location (Sample Depth)	B-14 (2-3)
SAMPLING DATE	9/11/2019
4,4'-DDT	0.00624

Sample Location (Sample Depth)	B-10 (2-3)
SAMPLING DATE	9/10/2019
4,4'-DDE	0.00392
4,4'-DDT	0.0091
Lead, Total	123
Zinc, Total	113
Sample Location (Sample Depth)	B-10 (7-8)
SAMPLING DATE	9/10/2019
4,4'-DDE	0.00962
4,4'-DDD	0.0075
4,4'-DDT	0.0307
Benzo(a)anthracene	1.4
Benzo(a)pyrene	1.4
Benzo(b)fluoranthene	1.8
Chrysene	1.5
Indeno(1,2,3-cd)pyrene	1
Copper, Total	53.7
Lead, Total	431
Zinc, Total	204
Sample Location (Sample Depth)	B-10 (11-12)
SAMPLING DATE	9/10/2019
Copper, Total	94.8

Sample Location (Sample Depth)	B-15 (3-4)
SAMPLING DATE	9/10/2019
4,4'-DDE	0.00524
4,4'-DDT	0.0055
Barium, Total	441
Lead, Total	192
Zinc, Total	216
Sample Location (Sample Depth)	B-15 (6-7)
SAMPLING DATE	9/10/2019
Dieldrin	0.0122
4,4'-DDE	0.0162
4,4'-DDD	0.0102
4,4'-DDT	0.0327
Lead, Total	66.4
Zinc, Total	144

NOTE:
THIS PLAN IS FOR LOCATING BORING ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
ALL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (MG/KG)
ALL SAMPLE DEPTHS ARE IN FEET BELOW GRADE

NYS Education Law
Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

© SESI CONSULTING ENGINEERS D.P.C. 2019
This drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.

REFERENCE
1. EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "BOUNDARY SURVEY OF LOTS 46 THRU 49 AND 60 THRU 63 INCL. MAP OR PROPERTY BELONGING TO MARIA R. LAWTON, DECEASED" PREPARED BY H2M ARCHITECTS AND ENGINEERS DATED SEPT. 28, 2018.

LEGEND:
- B-11 - COMPLETED SOIL BORING LOCATION
- APPROXIMATE AREA OF FORMER ELECTROPLATING OPERATIONS. DIMENSION ARE BASED ON WCD UNSCALED MAP
- 320 - CONCENTRATION EXCEEDS MORE THAN ONE OF THE APPLICABLE NYSDEC SCO'S
- 0.92 - CONCENTRATION EXCEEDS THE NYSDEC UNRESTRICTED USED SCO

SCALE: 1"=30'
0 30 60

dwg by: AG
chk by: SSG
scale: AS NOTED
date: 10/08/19

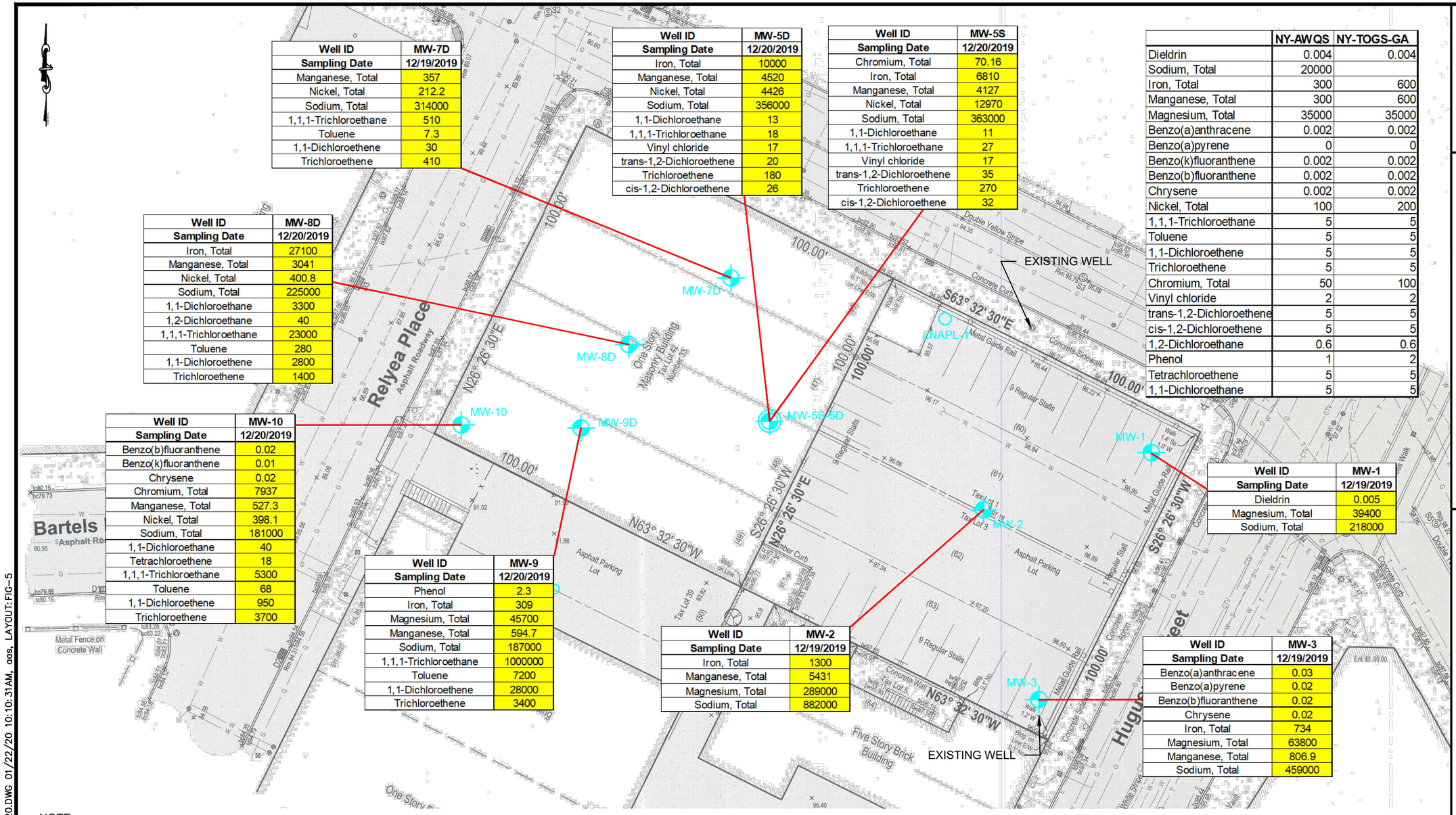
SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

project: HUGUENOT PARTNERS, LLC
33 CENTRE AVENUE
SECTION NO. 2, BLOCK NO. 437
LOTS 1, 3 AND 42
NEW ROCHELLE, NEW YORK

drawing title: SOIL SAMPLE RESULTS PLAN

job no: 10567
drawing no: FIG-4

N:\ACAD\10567\CADD\10567-FIG-3.1 SOIL IRM.DWG 01/22/20 10:10:02AM, gas, LAYOUT:FIG-4



Well ID	MW-7D
Sampling Date	12/19/2019
Manganese, Total	357
Nickel, Total	212.2
Sodium, Total	314000
1,1,1-Trichloroethane	510
Toluene	7.3
1,1-Dichloroethene	30
Trichloroethene	410

Well ID	MW-5D
Sampling Date	12/20/2019
Iron, Total	10000
Manganese, Total	4520
Nickel, Total	4426
Sodium, Total	356000
1,1-Dichloroethane	13
1,1,1-Trichloroethane	18
Vinyl chloride	17
trans-1,2-Dichloroethene	20
Trichloroethene	180
cis-1,2-Dichloroethene	26

Well ID	MW-5S
Sampling Date	12/20/2019
Chromium, Total	70.16
Iron, Total	6810
Manganese, Total	4127
Nickel, Total	12970
Sodium, Total	363000
1,1-Dichloroethane	11
1,1,1-Trichloroethane	27
Vinyl chloride	17
trans-1,2-Dichloroethene	35
Trichloroethene	270
cis-1,2-Dichloroethene	32

	NY-AWQS	NY-TOGS-GA
Dieldrin	0.004	0.004
Sodium, Total	20000	
Iron, Total	300	600
Manganese, Total	300	600
Magnesium, Total	35000	35000
Benzo(a)anthracene	0.002	0.002
Benzo(a)pyrene	0	0
Benzo(k)fluoranthene	0.002	0.002
Benzo(b)fluoranthene	0.002	0.002
Chrysene	0.002	0.002
Nickel, Total	100	200
1,1,1-Trichloroethane	5	5
Toluene	5	5
1,1-Dichloroethene	5	5
Trichloroethene	5	5
Chromium, Total	50	100
Vinyl chloride	2	2
trans-1,2-Dichloroethene	5	5
cis-1,2-Dichloroethene	5	5
1,2-Dichloroethane	0.6	0.6
Phenol	1	2
Tetrachloroethene	5	5
1,1-Dichloroethane	5	5

Well ID	MW-8D
Sampling Date	12/20/2019
Iron, Total	27100
Manganese, Total	3041
Nickel, Total	400.8
Sodium, Total	225000
1,1-Dichloroethane	3300
1,2-Dichloroethane	40
1,1,1-Trichloroethane	23000
Toluene	280
1,1-Dichloroethene	2800
Trichloroethene	1400

Well ID	MW-10
Sampling Date	12/20/2019
Benzo(b)fluoranthene	0.02
Benzo(k)fluoranthene	0.01
Chrysene	0.02
Chromium, Total	7937
Manganese, Total	527.3
Nickel, Total	398.1
Sodium, Total	181000
1,1-Dichloroethane	40
Tetrachloroethene	18
1,1,1-Trichloroethane	5300
Toluene	68
1,1-Dichloroethene	950
Trichloroethene	3700

Well ID	MW-9
Sampling Date	12/20/2019
Phenol	2.3
Iron, Total	309
Magnesium, Total	45700
Manganese, Total	594.7
Sodium, Total	187000
1,1,1-Trichloroethane	1000000
Toluene	7200
1,1-Dichloroethene	28000
Trichloroethene	3400

Well ID	MW-2
Sampling Date	12/19/2019
Iron, Total	1300
Manganese, Total	5431
Magnesium, Total	289000
Sodium, Total	882000

Well ID	MW-1
Sampling Date	12/19/2019
Dieldrin	0.005
Magnesium, Total	39400
Sodium, Total	218000

Well ID	MW-3
Sampling Date	12/19/2019
Benzo(a)anthracene	0.03
Benzo(a)pyrene	0.02
Benzo(b)fluoranthene	0.02
Chrysene	0.02
Iron, Total	734
Magnesium, Total	63800
Manganese, Total	806.9
Sodium, Total	459000

NOTE:
THIS PLAN IS FOR LOCATING MONITORING WELLS AND CONTAMINANT FOUND IN EACH TEST. ALL CONCENTRATIONS IN ug/L (ppb).

LEGEND:

MW-6 - MONITORING WELL LOCATION

MW-5S/5D - SHALLOW/DEEP NESTED MONITORING WELL LOCATION; 5S/5D ONLY

40 - Exceeds NY-AWQS: New York TOGS 1.1.1 Ambient Water Quality Standards and NY-TOGS-GA: New York TOGS 1.1.1 Groundwater Effluent Limitations

SCALE: 1"=30'

0 30 60

REFERENCE

1. EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "BOUNDARY SURVEY OF LOTS 46 THRU 49 AND 60 THRU 63 INCL. MAP OR PROPERTY BELONGING TO MARIA R. LAWTON, DECEASED" PREPARED BY H2M ARCHITECTS AND ENGINEERS DATED SEPT. 28, 2018.

NYS Education Law
Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

© SESI CONSULTING ENGINEERS D.P.C. 2020
This drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

dwg by: aas
chk by: SSG
scale: AS NOTED
date: 1/3/2020

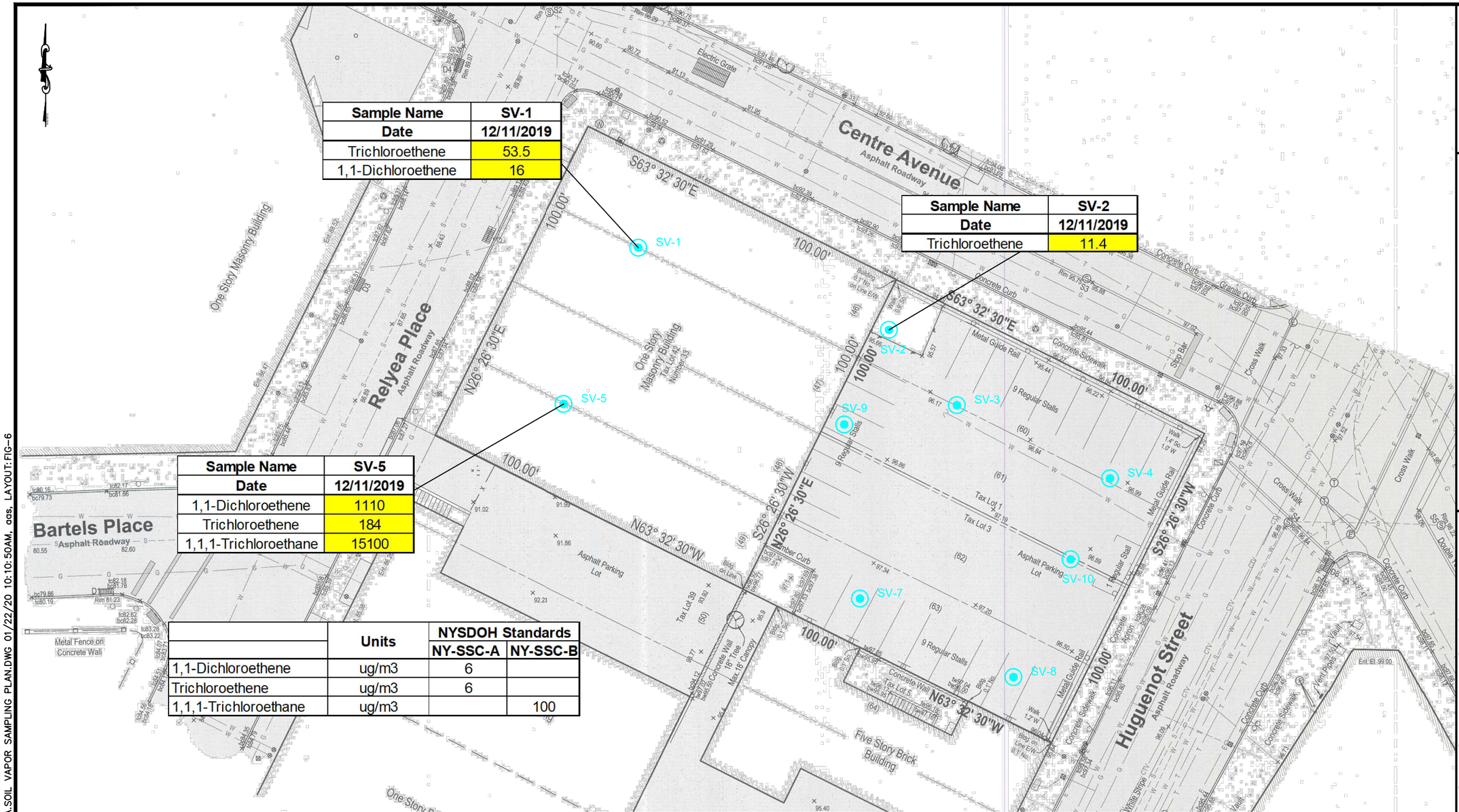
project: HUGUENOT PARTNERS, LLC
33 CENTRE AVENUE
SECTION NO. 2, BLOCK NO. 437
LOTS 1, 3 AND 42
NEW ROCHELLE, NEW YORK

drawing title: SAMPLING LOCATION PLAN & CONTAMINANT DISTRIBUTION IN GROUNDWATER

job no: 10567
drawing no:

FIG-5

N:\ACAD\10567\CADD\10567-SOIL IRM 2020.DWG 01/22/20 10:10:31AM, gas, LAYOUT:FIG-5



Sample Name	SV-1
Date	12/11/2019
Trichloroethene	53.5
1,1-Dichloroethene	16

Sample Name	SV-2
Date	12/11/2019
Trichloroethene	11.4

Sample Name	SV-5
Date	12/11/2019
1,1-Dichloroethene	1110
Trichloroethene	184
1,1,1-Trichloroethane	15100

	Units	NYSDOH Standards	
		NY-SSC-A	NY-SSC-B
1,1-Dichloroethene	ug/m3	6	
Trichloroethene	ug/m3	6	
1,1,1-Trichloroethane	ug/m3		100

NOTE:
1. THIS PLAN IS FOR LOCATING SOIL VAPOR SAMPLING POINTS AND THEIR RESULTS.
2. NY-SSC-A: NEW YORK DOH MATRIX A SUB-SLAB VAPOR CONCENTRATIONS CRITERIA PER GUIDANCE FOR EVALUATING SOIL VAPOR INTRUSION, UPDATED MAY 2017.
2. NY-SSC-B: NEW YORK DOH MATRIX B SUB-SLAB VAPOR CONCENTRATIONS CRITERIA PER GUIDANCE FOR EVALUATING SOIL VAPOR INTRUSION, UPDATED MAY 2017.

LEGEND:

SV-5 - SOIL VAPOR POINT LOCATION

16 - EXCEEDS NY SOIL VAPOR STANDARDS

NYS Education Law

Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

© SESI CONSULTING ENGINEERS D.P.C. 2020
This drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.

REFERENCE

1. EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "BOUNDARY SURVEY OF LOTS 46 THRU 49 AND 60 THRU 63 INCL. MAP OR PROPERTY BELONGING TO MARIA R. LAWTON, DECEASED" PREPARED BY H2M ARCHITECTS AND ENGINEERS DATED SEPT. 28, 2018.

SCALE: 1"=30'

0 30 60

dwg by: aas
chk by: SSG
scale: AS NOTED
date: 1/7/2020

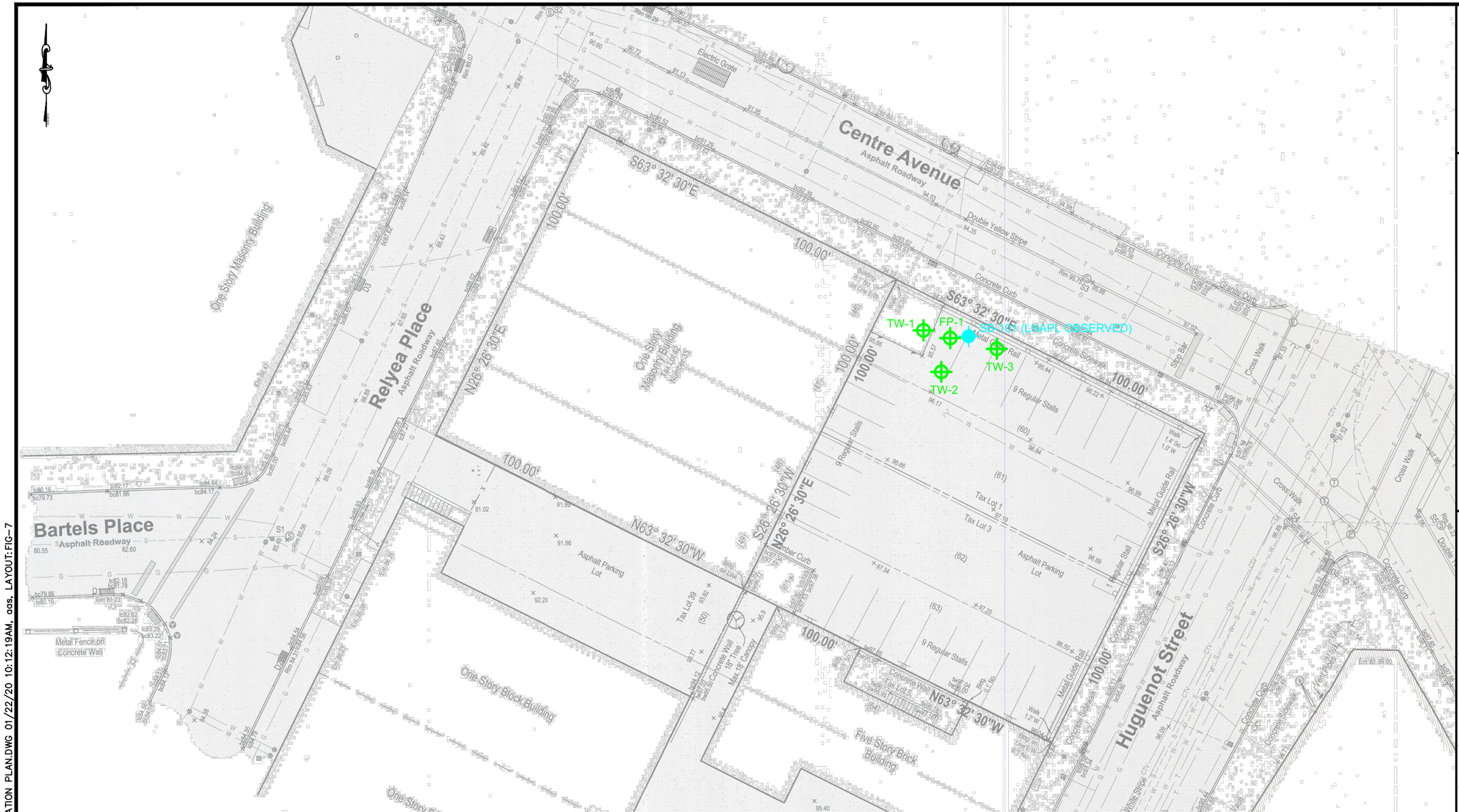
SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

project: HUGUENOT PARTNERS, LLC
33 CENTRE AVENUE
SECTION NO. 2, BLOCK NO. 437
LOTS 1, 3 AND 42
NEW ROCHELLE, NEW YORK

drawing title: SOIL VAPOR SAMPLING PLAN AND RESULTS

job no: 10567
drawing no: FIG-6

N:\ACAD\10567\CADD\RWP\10567-FIG-4,3A.SOIL VAPOR SAMPLING PLAN.DWG 01/22/20 10:10:50AM, gas, LAYOUT:FIG-6



SCALE: 1"=30'

0 30 60

LEGEND:

- FP-1, TW-1 - LNAPL DELINEATION WELL LOCATION
- SB-101 - GEOTECHNICAL SOIL BORING LOCATION

NYS Education Law
Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

© SESI CONSULTING ENGINEERS D.P.C. 2020
This drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.

REFERENCE
1. EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "BOUNDARY SURVEY OF LOTS 46 THRU 49 AND 60 THRU 63 INCL. MAP OR PROPERTY BELONGING TO MARIA R. LAWTON, DECEASED" PREPARED BY H2M ARCHITECTS AND ENGINEERS DATED SEPT. 28, 2018.

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

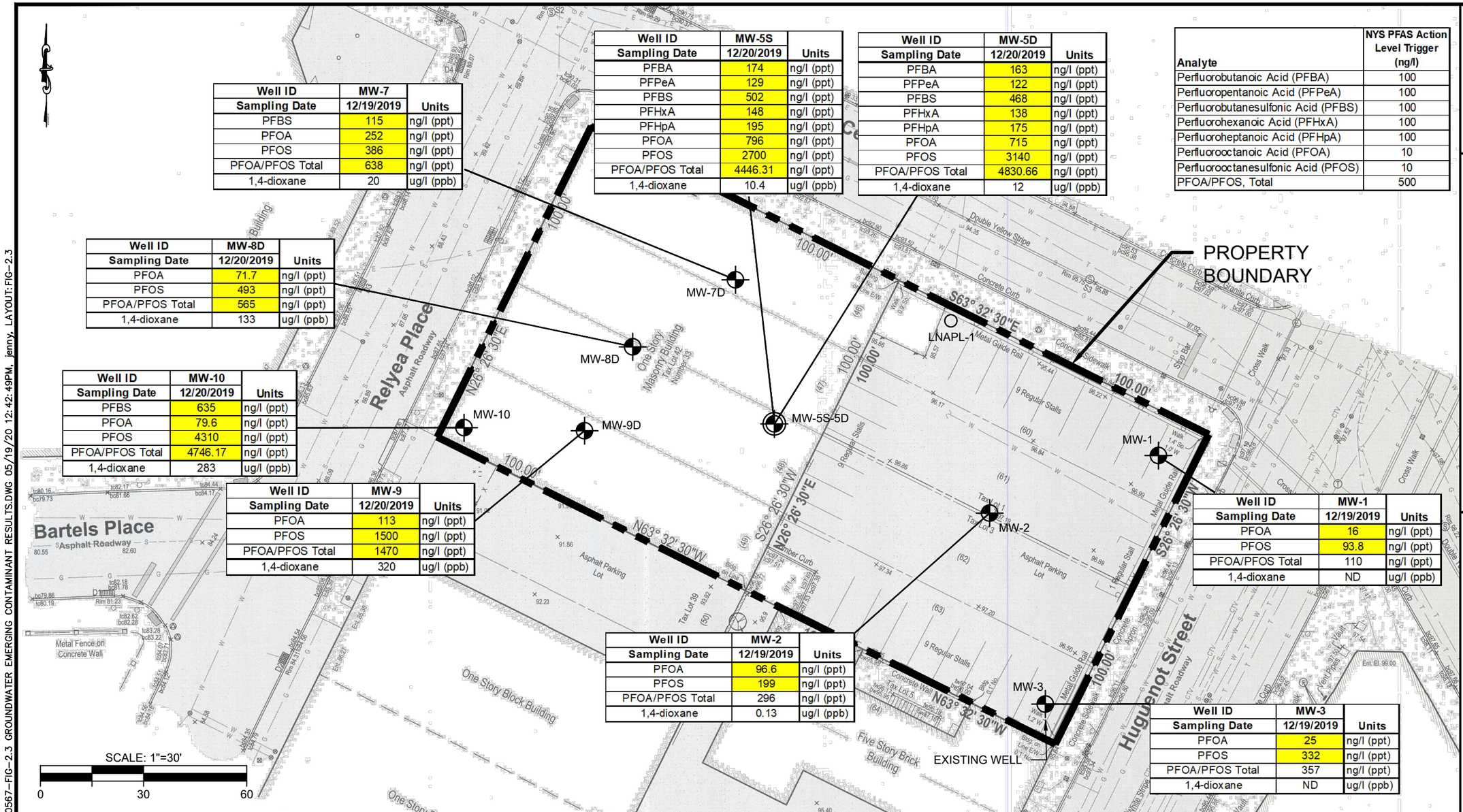
dwg by: yy
chk by: JM
scale: AS NOTED
date: 11/05/19

project: HUGUENOT PARTNERS, LLC
33 CENTRE AVENUE
SECTION NO. 2, BLOCK NO. 437
LOTS 1, 3 AND 42
NEW ROCHELLE, NEW YORK

drawing title: LNAPL DELINEATION PLAN

job no: 10567
drawing no: FIG-7

N:\ACAD\10567\CADD\10567-LNAPL DELINEATION PLAN.DWG 01/22/20 10:12:19AM, dgs, LAYOUT:FIG-7



Well ID	MW-7	
Sampling Date	12/19/2019	Units
PFBS	115	ng/l (ppt)
PFOA	252	ng/l (ppt)
PFOS	386	ng/l (ppt)
PFOA/PFOS Total	638	ng/l (ppt)
1,4-dioxane	20	ug/l (ppb)

Well ID	MW-5S	
Sampling Date	12/20/2019	Units
PFBA	174	ng/l (ppt)
PFPeA	129	ng/l (ppt)
PFBS	502	ng/l (ppt)
PFHxA	148	ng/l (ppt)
PFHpA	195	ng/l (ppt)
PFOA	796	ng/l (ppt)
PFOS	2700	ng/l (ppt)
PFOA/PFOS Total	4446.31	ng/l (ppt)
1,4-dioxane	10.4	ug/l (ppb)

Well ID	MW-5D	
Sampling Date	12/20/2019	Units
PFBA	163	ng/l (ppt)
PFPeA	122	ng/l (ppt)
PFBS	468	ng/l (ppt)
PFHxA	138	ng/l (ppt)
PFHpA	175	ng/l (ppt)
PFOA	715	ng/l (ppt)
PFOS	3140	ng/l (ppt)
PFOA/PFOS Total	4830.66	ng/l (ppt)
1,4-dioxane	12	ug/l (ppb)

Analyte	NYS PFAS Action Level Trigger (ng/l)
Perfluorobutanoic Acid (PFBA)	100
Perfluoropentanoic Acid (PFPeA)	100
Perfluorobutanesulfonic Acid (PFBS)	100
Perfluorohexanoic Acid (PFHxA)	100
Perfluoroheptanoic Acid (PFHpA)	100
Perfluorooctanoic Acid (PFOA)	10
Perfluorooctanesulfonic Acid (PFOS)	10
PFOA/PFOS, Total	500

Well ID	MW-8D	
Sampling Date	12/20/2019	Units
PFOA	71.7	ng/l (ppt)
PFOS	493	ng/l (ppt)
PFOA/PFOS Total	565	ng/l (ppt)
1,4-dioxane	133	ug/l (ppb)

Well ID	MW-10	
Sampling Date	12/20/2019	Units
PFBS	635	ng/l (ppt)
PFOA	79.6	ng/l (ppt)
PFOS	4310	ng/l (ppt)
PFOA/PFOS Total	4746.17	ng/l (ppt)
1,4-dioxane	283	ug/l (ppb)

Well ID	MW-9	
Sampling Date	12/20/2019	Units
PFOA	113	ng/l (ppt)
PFOS	1500	ng/l (ppt)
PFOA/PFOS Total	1470	ng/l (ppt)
1,4-dioxane	320	ug/l (ppb)

Well ID	MW-2	
Sampling Date	12/19/2019	Units
PFOA	96.6	ng/l (ppt)
PFOS	199	ng/l (ppt)
PFOA/PFOS Total	296	ng/l (ppt)
1,4-dioxane	0.13	ug/l (ppb)

Well ID	MW-1	
Sampling Date	12/19/2019	Units
PFOA	16	ng/l (ppt)
PFOS	93.8	ng/l (ppt)
PFOA/PFOS Total	110	ng/l (ppt)
1,4-dioxane	ND	ug/l (ppb)

Well ID	MW-3	
Sampling Date	12/19/2019	Units
PFOA	25	ng/l (ppt)
PFOS	332	ng/l (ppt)
PFOA/PFOS Total	357	ng/l (ppt)
1,4-dioxane	ND	ug/l (ppb)

Notes:
NYS PFAS: NYSDEC Guidelines for Sampling and Analysis of PFAS Groundwater Action Level Trigger (January 2020)
Highlight - Exceeds Action Level Trigger
There is currently no NYSDEC groundwater standard or action level for 1,4-dioxane
ppt=parts per trillion
ppb=parts per billion

LEGEND:

MW-6 - MONITORING WELL LOCATION

MW-5S/5D - SHALLOW/DEEP NESTED MONITORING WELL LOCATION; 5S/5D ONLY

40 - NYS PFAS ACTION LEVEL TRIGGER

NYS Education Law
Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

© SESI CONSULTING ENGINEERS D.P.C. 2020
This drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.

REFERENCE
1. EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "BOUNDARY SURVEY OF LOTS 46 THRU 49 AND 60 THRU 63 INCL. MAP OR PROPERTY BELONGING TO MARIA R. LAWTON, DECEASED" PREPARED BY H2M ARCHITECTS AND ENGINEERS DATED SEPT. 28, 2018.

dwg by: aas
chk by: SSG
scale: AS NOTED
date: 5/15/2020

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

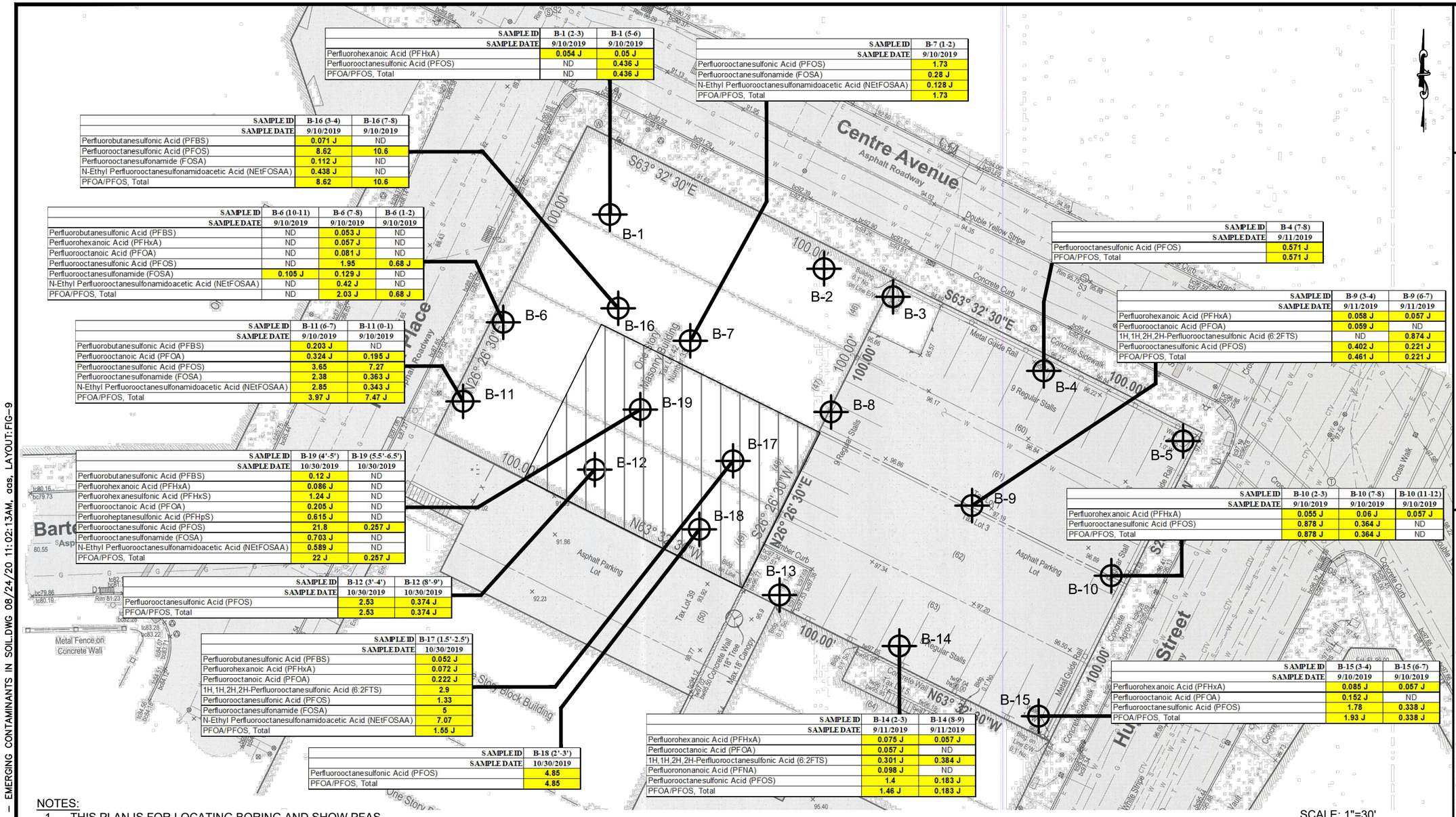
project: HUGUENOT PARTNERS, LLC
33 CENTRE AVENUE
SECTION NO. 2, BLOCK NO. 437
LOTS 1, 3 AND 42
NEW ROCHELLE, NEW YORK

drawing title: GROUNDWATER EMERGING CONTAMINANT RESULTS

job no: 10567
drawing no:

FIG 8

N:\ACAD\10567\CADD\RAWP\2020-05-14\10567-FIG-2.3 GROUNDWATER EMERGING CONTAMINANT RESULTS.DWG 05/19/20 12:42:49PM, jenny, LAYOUT:FIG-2.3



SAMPLE ID	B-1 (2-3)	B-1 (5-6)
SAMPLE DATE	9/10/2019	9/10/2019
Perfluorohexanoic Acid (PFHxA)	0.054 J	0.05 J
Perfluorooctanesulfonic Acid (PFOS)	ND	0.436 J
PFOA/PFOS, Total	ND	0.436 J

SAMPLE ID	B-7 (1-2)
SAMPLE DATE	9/10/2019
Perfluorooctanesulfonic Acid (PFOS)	1.73
Perfluorooctanesulfonamide (FOSA)	0.28 J
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.128 J
PFOA/PFOS, Total	1.73

SAMPLE ID	B-16 (3-4)	B-16 (7-8)
SAMPLE DATE	9/10/2019	9/10/2019
Perfluorobutanesulfonic Acid (PFBS)	0.071 J	ND
Perfluorooctanesulfonic Acid (PFOS)	8.62	10.6
Perfluorooctanesulfonamide (FOSA)	0.112 J	ND
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.438 J	ND
PFOA/PFOS, Total	8.62	10.6

SAMPLE ID	B-6 (10-11)	B-6 (7-8)	B-6 (1-2)
SAMPLE DATE	9/10/2019	9/10/2019	9/10/2019
Perfluorobutanesulfonic Acid (PFBS)	ND	0.053 J	ND
Perfluorohexanoic Acid (PFHxA)	ND	0.057 J	ND
Perfluorooctanoic Acid (PFOA)	ND	0.081 J	ND
Perfluorooctanesulfonic Acid (PFOS)	ND	1.95	0.68 J
Perfluorooctanesulfonamide (FOSA)	0.105 J	0.129 J	ND
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	0.42 J	ND
PFOA/PFOS, Total	ND	2.03 J	0.68 J

SAMPLE ID	B-4 (7-8)
SAMPLE DATE	9/11/2019
Perfluorooctanesulfonic Acid (PFOS)	0.571 J
PFOA/PFOS, Total	0.571 J

SAMPLE ID	B-9 (3-4)	B-9 (6-7)
SAMPLE DATE	9/11/2019	9/11/2019
Perfluorohexanoic Acid (PFHxA)	0.058 J	0.057 J
Perfluorooctanoic Acid (PFOA)	0.059 J	ND
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	0.874 J
Perfluorooctanesulfonic Acid (PFOS)	0.402 J	0.221 J
PFOA/PFOS, Total	0.461 J	0.221 J

SAMPLE ID	B-11 (6-7)	B-11 (0-1)
SAMPLE DATE	9/10/2019	9/10/2019
Perfluorobutanesulfonic Acid (PFBS)	0.203 J	ND
Perfluorooctanoic Acid (PFOA)	0.324 J	0.195 J
Perfluorooctanesulfonic Acid (PFOS)	3.65	7.27
Perfluorooctanesulfonamide (FOSA)	2.38	0.363 J
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.85	0.343 J
PFOA/PFOS, Total	3.97 J	7.47 J

SAMPLE ID	B-19 (4'-5')	B-19 (5.5'-6.5')
SAMPLE DATE	10/30/2019	10/30/2019
Perfluorobutanesulfonic Acid (PFBS)	0.12 J	ND
Perfluorohexanoic Acid (PFHxA)	0.086 J	ND
Perfluorohexanesulfonic Acid (PFHxS)	1.24 J	ND
Perfluorooctanoic Acid (PFOA)	0.205 J	ND
Perfluoroheptanesulfonic Acid (PFHpS)	0.615 J	ND
Perfluorooctanesulfonic Acid (PFOS)	21.8	0.257 J
Perfluorooctanesulfonamide (FOSA)	0.703 J	ND
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.589 J	ND
PFOA/PFOS, Total	22 J	0.257 J

SAMPLE ID	B-10 (2-3)	B-10 (7-8)	B-10 (11-12)
SAMPLE DATE	9/10/2019	9/10/2019	9/10/2019
Perfluorohexanoic Acid (PFHxA)	0.055 J	0.06 J	0.057 J
Perfluorooctanesulfonic Acid (PFOS)	0.878 J	0.364 J	ND
PFOA/PFOS, Total	0.878 J	0.364 J	ND

SAMPLE ID	B-12 (3'-4')	B-12 (8'-9')
SAMPLE DATE	10/30/2019	10/30/2019
Perfluorooctanesulfonic Acid (PFOS)	2.53	0.374 J
PFOA/PFOS, Total	2.53	0.374 J

SAMPLE ID	B-15 (3-4)	B-15 (6-7)
SAMPLE DATE	9/10/2019	9/10/2019
Perfluorohexanoic Acid (PFHxA)	0.085 J	0.057 J
Perfluorooctanoic Acid (PFOA)	0.152 J	ND
Perfluorooctanesulfonic Acid (PFOS)	1.78	0.338 J
PFOA/PFOS, Total	1.93 J	0.338 J

SAMPLE ID	B-17 (1.5'-2.5')
SAMPLE DATE	10/30/2019
Perfluorobutanesulfonic Acid (PFBS)	0.052 J
Perfluorohexanoic Acid (PFHxA)	0.072 J
Perfluorooctanoic Acid (PFOA)	0.222 J
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.9
Perfluorooctanesulfonic Acid (PFOS)	1.33
Perfluorooctanesulfonamide (FOSA)	5
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	7.07
PFOA/PFOS, Total	1.55 J

SAMPLE ID	B-18 (2'-3')
SAMPLE DATE	10/30/2019
Perfluorooctanesulfonic Acid (PFOS)	4.85
PFOA/PFOS, Total	4.85

SAMPLE ID	B-14 (2-3)	B-14 (8-9)
SAMPLE DATE	9/11/2019	9/11/2019
Perfluorohexanoic Acid (PFHxA)	0.075 J	0.057 J
Perfluorooctanoic Acid (PFOA)	0.057 J	ND
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.301 J	0.384 J
Perfluorononanoic Acid (PFNA)	0.098 J	ND
Perfluorooctanesulfonic Acid (PFOS)	1.4	0.183 J
PFOA/PFOS, Total	1.46 J	0.183 J

NOTES:

1. THIS PLAN IS FOR LOCATING BORING AND SHOW PFAS CONCENTRATION DATA. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
2. ALL CONCENTRATIONS IN UG/KG (ppb)
3. J = AN ESTIMATED VALUE
4. ND = COMPOUND NOT DETECTED

LEGEND:

B-11 - COMPLETED SOIL BORING LOCATION

- APPROXIMATE AREA OF FORMER ELECTROPLATING OPERATIONS. DIMENSION ARE BASED ON WCD UNSCALED MAP

SCALE: 1"=30'

0 30 60

NYS Education Law

Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

© SESI CONSULTING ENGINEERS D.P.C. 2020
This drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.

REFERENCE

1. EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "BOUNDARY SURVEY OF LOTS 46 THRU 49 AND 60 THRU 63 INCL. MAP OR PROPERTY BELONGING TO MARIA R. LAWTON, DECEASED" PREPARED BY H2M ARCHITECTS AND ENGINEERS DATED SEPT. 28, 2018.

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

dwg by: aas
chk by: SSG
scale: AS NOTED
date: 08/24/2020

project: HUGUENOT PARTNERS, LLC
33 CENTRE AVENUE
SECTION NO. 2, BLOCK NO. 437
LOTS 1, 3 AND 42
NEW ROCHELLE, NEW YORK

drawing title: EMERGING CONTAMINANTS IN SOIL

job no: 10567
drawing no:

FIG-9

N:\ACAD\10567\CADD\RM\10567 – FIG–9 – EMERGING CONTAMINANTS IN SOIL.DWG 08/24/20 11:02:13AM, aas, LAYOUT:FIG–9

APPENDIX B

Previous Environmental Reports

AUGMENTED PHASE I

ENVIRONMENTAL

SITE ASSESSMENT

October 27, 2017

Site Identification:	**33-35 Centre Avenue City of New Rochelle Westchester County, New York**
Tax Lot Identification:	**Section 2, Block 437, Lot 42**
Site Description:	**0.23-acre commercial property containing a 1-story building used as an electroplating facility**

WCD File: LN17112.10

Environmental & Construction Risk Management
24 Davis Ave., Poughkeepsie, NY 12603 T: 845-452-1658 F: 845-485-7083 wcdgroup.com

AUGMENTED PHASE I

ENVIRONMENTAL

SITE ASSESSMENT

October 27, 2017

WCD File: LN17112.10

Prepared By

WCD Group, LLC
24 Davis Avenue
Poughkeepsie, New York 12603

Prepared For

The LJI Management Corporation
162 Washington Avenue
New Rochelle, New York 10801

Phase I Environmental Site Assessment services performed by WCD Group, LLC were conducted in accordance with ASTM Method E 1527-13.

The undersigned has reviewed this Augmented Phase I Environmental Site Assessment and certifies to The LJI Management Corporation that the information provided in this document is accurate as of the date of issuance by this office.

Paul H. Ciminello
Executive Vice President

TABLE OF CONTENTS

EXECUTIVE SUMMARY 1

1.0 INTRODUCTION 3
- 1.1 Purpose of the Investigation
- 1.2 Methodology
- 1.3 Limitations
- 1.4 Definitions

2.0 SITE LOCATION AND PHYSICAL SETTING 5
- 2.1 Description of Subject Property
- 2.2 Description of Adjoining and Surrounding Area Properties
- 2.3 Physical Setting
  - 2.3.1 Topography
  - 2.3.2 Local Geology and Hydrogeology
  - 2.3.3 Surface Hydrology and Wetlands
  - 2.3.4 Sensitive Environmental Receptors

3.0 INVESTIGATION 9
- 3.1 Site History
  - 3.1.1 User-Reported Information
  - 3.1.2 Interviews
  - 3.1.3 Ownership Records
  - 3.1.4 Standard ASTM Historical Sources
  - 3.1.5 Municipal and Regulatory Agency Records
  - 3.1.6 Previous Environmental Reports
- 3.2 Review of Federal and State Agency Records
  - 3.2.1 Methodology
  - 3.2.2 Findings of Regulatory Records Review
- 3.3 Site Inspection
  - 3.3.1 Protocol
  - 3.3.2 Physical Characteristics of the Subject Property
  - 3.3.3 Specific On-Site Environmental Conditions
  - 3.3.4 Environmental Concerns at Adjoining and Nearby Properties
- 3.4 On-Site Environmental Investigations

4.0 FINDINGS, CONCLUSIONS AND RECOMMENDATIONS 22
- 4.1 Recognized Environmental Conditions
- 4.2 Site History
- 4.3 Review of Regulatory Records
- 4.4. Current Site Conditions and General Environmental Concerns
- 4.5 De Minimis Conditions

5.0 SOURCES OF INFORMATION 25
- 5.1 Maps and Documents
- 5.2 Local Agency Records
- 5.3 Communications

6.0 ENVIRONMENTAL PROFESSIONAL STATEMENT 26

MAPS IN REPORT

Site Location Map 7
Selected Site Features Map 8

APPENDICES

Appendix A Site Photographs
Appendix B Physical-Setting Maps
Appendix C Sanborn Fire Insurance Maps
Appendix D City Directories
Appendix E Regulatory Review Database Report
Appendix F Excerpts from Remedial Investigation Report at Adjoining Property
Appendix G Documentation of Supplemental Environmental Investigation
Appendix H Scope of Services
Appendix I Qualifications of Environmental Professional(s)

EXECUTIVE SUMMARY

WCD Group, LLC (WCD) performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Practice E 1527-13 of the property located at 33-35 Centre Avenue, City of New Rochelle, Westchester County, New York. A supplemental environmental investigation was additionally conducted to investigate specific environmental concerns identified during the Phase I review.

The goal of a Phase I ESA is to identify Recognized Environmental Conditions (RECs) in connection with a property. In addition to RECs, WCD has attempted to identify conditions that do not meet the threshold to be considered a REC but nonetheless represent a significant existing and/or likely environmental liability, and de minimis conditions that generally do not present a significant threat and would not be the subject of an enforcement action if brought to the attention of regulatory authorities.

WCD's findings, conclusions and recommendations are presented in Section 4.0 of this Report and are summarized below.

Subject Property Description and History

The subject property is a 0.23-acre commercial parcel located in an urban setting. Historical records document residential use of the subject property prior to 1911 and ongoing commercial use since 1925, when the current on-site building was constructed. Early commercial uses have included automotive repair, and the site has since been used for electroplating operations beginning in the early 1970s. These commercial uses are likely to have resulted in releases of petroleum, chlorinated solvents and/or metals to the subsurface at the subject property. Soil vapor sampling conducted in conjunction with this ESA documented very high levels of the industrial chlorinated solvents TCE and TCA (as well as relatively high levels of PCE and TCE/TCA breakdown products), consistent with a potential on-site contaminant source area (grossly contaminated soil and/or groundwater) beneath the building. Chemical staining and residue are present on floors in the vicinity of the electroplating area, suggesting a high potential for subsurface metal contamination. Although no significant petroleum contamination was documented in soil vapor, existing data is not sufficient to rule out a significant release at or near a former fuel-oil underground storage tank (UST) in the adjoining sidewalk to the west. No further investigation of historical records is recommended.

Identified Areas of Environmental Concern

Category	Specific Environmental Concerns	Recommendations
RECs	Former and current commercial uses of the subject property, including automotive repair and electroplating operations; potential impacts from former fuel-oil UST	Perform comprehensive Phase II subsurface investigation, including sub-slab soil and groundwater testing
	Potential impacts from solvent releases at the western adjoining property, an active NYSDEC IHWD Site	Any impacts to the subject property from the IHWDS may be evaluated during the on-site subsurface investigation recommended, above
HRECs	None Identified	NA

Category	Specific Environmental Concerns	Recommendations
General Environmental Concerns	Electroplating baths (some with standing liquids) are not located within secondary containment, and chemical staining and residue are present on tank exteriors as well as on the floors. These conditions may have resulted in contamination of building structural materials	Remove all interior equipment, as regulated waste and test remaining building materials for metal contamination, prior to building reuse and/or demolition
	Potential future releases from fuel-oil aboveground storage tanks (ASTs)	Proper maintenance and periodic inspections
	Potential demolition debris in subsurface	Properly manage any materials encountered during site development/use
De Minimis Conditions	Chemicals and waste materials related to electroplating activities, other chemicals, petroleum products and paints are stored on site; releases from these containers could potentially impact the property	Properly store containers; maintain appropriate absorbent materials; dispose of as regulated waste
	Asbestos-containing materials (ACM) and lead-based paint (LBP)	Test suspect materials as needed; handle materials in accordance with regulations
	On-site debris and deteriorating building materials	Dispose off-site; properly manage any materials encountered during site development/use
	Electrical equipment potentially containing PCBs is located in the electroplating area of the building	If this equipment is to remain on-site, it should be tested for PCBs, or, in the absence of analytical data, be treated as though it contained PCBs

1.0 INTRODUCTION

1.1 Purpose of the Investigation

This Augmented Phase I Environmental Site Assessment (Report) identifies recognized environmental conditions (RECs) and/or other significant environmental liabilities resulting from or associated with the storage, use, transport or disposal of hazardous or regulated materials on the property located at 33-35 Centre Avenue, City of New Rochelle, Westchester County, New York (property descriptions are presented in Sections 2.1 and 3.3.2).

1.2 Methodology

This Report has been prepared in conformance with the attached Scope of Services and with guidelines set forth by the American Society for Testing and Materials (ASTM) Method E1527-13 (no exceptions to or deletions from this practice have occurred). All work was performed under the direct supervision and responsible charge of a qualified environmental professional, following the requirements for "all appropriate inquiry" as defined in 40 CFR Part 312.

WCD Group, LLC (WCD) performed the following work:

1. Investigation of the subject property's history and characteristics through the analysis of available physical settings maps, historical documents, local municipal records, and information provided by subject property representatives and/or other knowledgeable individuals.
2. Review of Federal, State, and/or Tribal regulatory-agency computer databases and printed records for documentation of potential environmental liabilities relevant to the property, consistent with (or exceeding) applicable ASTM requirements.
3. Inspection of the property by Scott Spitzer and Victoria Panico of WCD on October 4, 2017. Vernon and Kenneth Turner, the property owners, and Gavin Steinberg, representing LJI Management Corporation (the User), were present during portions of the site inspection.
4. Investigation of soil vapor by Scott Spitzer and Victoria Panico of WCD on October 4, 2017.

1.3 Limitations

This Report is an evaluation of the property described in Section 2.1 below and is not valid for any other property or location. It is a representation of the property analyzed as of the dates that services were provided. This Report cannot be held accountable for activities or events resulting in environmental liability after the respective dates of the site inspection or historical and regulatory research.

This Report is based in part on certain information provided in writing or verbally by federal, state, and local officials (including public records) and other parties referenced herein. The accuracy or completeness of this information was not independently verified. Unless specifically noted, the findings and conclusions contained herein must be considered not as scientific certainties, but as probabilities based on professional judgment. Any limitations specific to the site inspection are detailed in Section 3.3.

1.4 Definitions

Definitions of some common terms found in ASTM Standard 1527-13 are provided below.

Key Site Manager

The person identified by the owner or operator of a property as having good knowledge of the uses and physical characteristics of the property.

Practically Reviewable / Reasonably Ascertainable

Information that is provided by a source that yields information relevant to the property without the need for extraordinary analysis of irrelevant data is Practically Reviewable. Records must be for a limited geographic area. Records arranged chronologically, lacking adequate address information to be located geographically, in large databases that are not sorted by zip code, or are so numerous to be unmanageable are not generally practically reviewable. Information that is (1) publicly available, (2) obtainable from its source within reasonable time and cost constraints, and (3) practically reviewable is Reasonably Ascertainable.

Recognized Environmental Condition (REC)

The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. A material threat is a physically observable or obvious threat which is reasonably likely to lead to a release that is threatening and might result in impact to public health or the environment. The term includes hazardous substances or petroleum products even under conditions in compliance with laws.

De minimis conditions (i.e. conditions that generally do not present a threat to human health or the environment and would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies) are not RECs.

Controlled Recognized Environmental Condition (CREC)

A REC resulting from a past release that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (legal or physical restrictions or limitations on the use of, or access to, a site or facility to reduce or eliminate potential exposure to remaining contaminants, or to prevent activities that could interfere with the effectiveness of a response action).

Historical Recognized Environmental Condition (HREC)

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

2.0 SITE LOCATION AND PHYSICAL SETTING

The subject property as defined in this Report consists of the property located at 33-35 Centre Avenue, City of New Rochelle, Westchester County, New York (identified as City of Rochelle tax lot parcel: Section 2, Block 437, Lot 42). A Site Location Map is provided on Page 7, a Selected Site Features Map illustrating the layout of the property and fieldwork locations (see Section 3.3.4) is provided on Page 8 and photographs are provided in Appendix A. Sources of information documenting physical-setting conditions are cited in Section 5.0 and site-specific topographic, geological, hydrological, wetlands and/or other maps are provided in Appendix B.

2.1 Description of Subject Property

The subject property is a square, 0.23-acre parcel located on the southeast corner of Centre Avenue and Relyea Place. A one-story commercial building (with a partial basement) occupies the entire property. Comprehensive observations from a physical inspection of the property are provided in Section 3.3.

2.2 Description of Adjoining and Surrounding Area Properties

The property is in an urban area comprised primarily of single and multi-family residential and commercial properties. Current uses of adjoining and surrounding area properties are summarized below:

Direction	Adjoining Use(s)	Vicinity Use(s)
North	• Food market • Rancho Grande • Parking lot	• Commercial • Multi-family residential
East	• Parking lot	• Mixed-use (commercial and residential)
South	• Museum Editions Ltd (art gallery)	• Commercial and residential
West	• Former Industrial Overall Services • Former Apparel Plus (textile rental)	• Commercial; Metro-North Railroad

2.3 Physical Setting

2.3.1 Topography

Local area topography is somewhat hilly. Surface relief in the immediate vicinity of the subject property is varied, with overall downward slopes to the southwest, towards New Rochelle Harbor.

The USGS Topographic map providing coverage for the subject property indicate approximate on-site surface elevations ranging from 90 to 95 feet above mean sea level (the property slopes downward from east to west). No on-site structures are depicted on the map (the property is located in a developed area where only selected landmark buildings are depicted). The map did not indicate the presence of any soil/gravel mining operations or unusual topographic patterns indicative of landfilling activities on the property. Observations made during the site inspection are in general agreement with conditions depicted on the map. Survey information from previous investigations at the adjoining property to the west (see Section 3.2.2) indicate a sidewalk elevation of approximately 91.5 feet near the northeastern corner of the on-site building.

2.3.2 Local Geology and Hydrogeology

Soils in the vicinity of the subject property are likely to be derived from glacial till deposits, which overlie metamorphic bedrock. Soil survey maps indicate that Urban Land soils are likely to be located on the property. The Urban Land designation identifies areas where at least 80% of the surface is covered by buildings, parking areas or other impervious structures, and specific soil and bedrock characteristics are generally not well known. The presence of an on-site structure suggests that soils located on the property may have been altered by cutting, regrading and/or filling activities.

Information from previous investigations at the adjoining property to the west (see Section 3.2.2), which included the extension of soil borings and installation of monitoring wells in close proximity to the subject property, described subsurface soils as fine to coarse sand with varying amounts of silt (fill materials were noted), overlying highly weathered bedrock (gneiss or schist, at depths ranging from approximately 15 to 20 feet near the subject property). Groundwater depths ranged from approximately 5 to 6 feet in an overburden monitoring well located in the parking lot east of the subject property, and from approximately 7.5 to 9 feet in a bedrock monitoring well located in the Centre Avenue sidewalk near Relyea Place. Both overburden and shallow groundwater were shown to flow southwest, following a topographic valley and bedrock trough towards Burling Brook (ultimately discharging to New Rochelle Harbor, located approximately 0.7-miles from the property). Reported data indicated that a confining layer for vertical groundwater movement between the overburden and bedrock is not likely to be present.

WCD has not reviewed any other reports or other information documenting site-specific subsurface conditions.

2.3.3 Surface Hydrology and Wetlands

No waterbodies or wet areas were observed on the subject property or in the immediate vicinity during the site inspection.

Regulated Wetlands

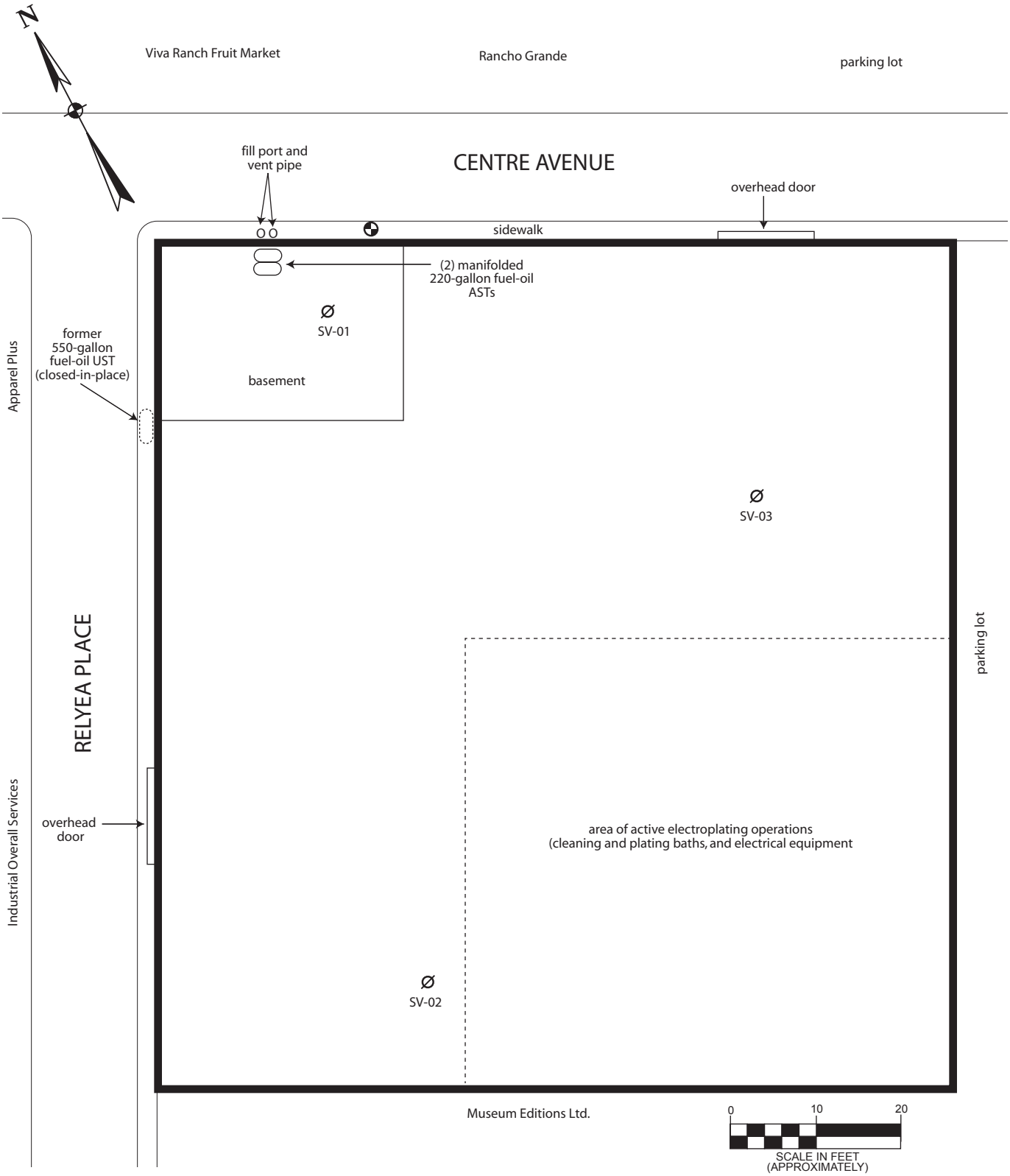
Federal and state mapping data do not identify any classified surface waterbodies, wet areas, or regulated wetlands on or in the immediate vicinity of the property.

2.3.4 Sensitive Environmental Receptors

Sensitive Environmental Receptors (SERs) are valued physical, biological and/or man-made features that may be adversely impacted by environmental contamination, and where a discharge or release could pose a greater threat than a discharge or release to other less valued areas. SERs include (but are not limited to) potable supply wells, wetlands, and protected wildlife habitat.

The review of maps and observations made during the site inspection indicate that no SERs are located on or in the immediate vicinity of the subject property.

Site Location Map 33-35 Centre Avenue City of New Rochelle Westchester County, New York	N	File No: LN17112.10 October 2017 Page 7



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

Selected Site Features Map

33-35 Centre Avenue
City of New Rochelle
Westchester County, New York

Legend:

- subject property border
- Ø sample location
- monitoring well location

WCD File: LN17112.10

October 2017

Scale as shown

3.0 INVESTIGATION

3.1 Site History

The history of the subject property was researched by attempting to interview knowledgeable individuals and reviewing both standard ASTM historical sources (including local agency records and historical maps, aerial photographs and/or city directories) and additional sources (if such sources were judged to be reasonably ascertainable and sufficiently useful, accurate, and complete considering the objective of the records review).

3.1.1 User-Reported Information

ASTM Practice E 1527-13, Section 6, requires that the User (the party seeking to complete the environmental site assessment [ESA] of the property) provide specific information to the Environmental Professional to meet the requirements for "all appropriate inquiry". Representatives of the User (the LJI Management Corporation) have not responded to a questionnaire provided by WCD, which requested information regarding the subject property as specified in Section 6.

WCD assumes that the LJI Management Corporation requested performance of the Phase I ESA to qualify for one or more Landowner Liability Protections (LLPs) to CERCLA liability and to document potential environmental liabilities on the subject property.

3.1.2 Interviews

Kenneth Turner (the property owner) was identified as a Key Site Manager for the subject property and was interviewed regarding specific site conditions and recent uses, as well as the topics detailed in the User Questionnaire (see Section 3.1.1, above). Mr. Turner had no specialized knowledge or experience, actual knowledge, or knowledge of commonly known or reasonably ascertainable information regarding potential environmental conditions and/or liabilities in connection with the property.

Pertinent information from interviews is provided in relevant report sections, where appropriate.

3.1.3 Ownership Records

Property ownership information, based on City of New Rochelle Assessor's Office and Building Department records, is summarized below. "Date of Ownership" indicates a time the property was owned by the specified entity.

Owner	Date of Ownership
Centre Avenue Association, LLC (Vernon Turner, Current Owner)	10/31/2016
Turner Walter & Kenneth	NA
Eric S. Turner	1971

3.1.4 Standard ASTM Historical Sources

A summary of environmentally significant information obtained from a review of standard historical sources is provided below. [Note: Any property outlines, as drawn by WCD on maps and/or photographs, are approximations.]

Sanborn Fire Insurance Maps

WCD reviewed historical Sanborn Fire Insurance Company Maps dated 1887, 1892, 1896, 1903, 1911, 1931, 1942, 1951, 1990-1996, and 2003 (relevant copies of these maps are provided in Appendix C).

1887-1911: Municipal water is depicted as being available to the property. No petroleum or chemical bulk storage tanks are noted at the subject property or adjoining properties. The eastern portion of the subject property contains a portion of a dwelling that extends westward from the eastern adjoining property, but is vacant by 1911. The northern and eastern adjoining properties contain dwellings. Railroad tracks are present nearby to the northwest. The surrounding area is moderately developed with likely residential and commercial structures.

1931-1951: The subject property is now developed with the current on-site building, which is labeled as a garage in 1931, "Bishop, McCormick and Bishop Dodge" in 1942 (likely a vehicle modification facility), and automotive repair in 1951. The western adjoining property (now shown as a single large site) contains a parking garage, with four gasoline tanks located near the subject property at the intersection of Centre Avenue and Relyea Place. The central northern adjoining property now contains a new, large building used as an auditorium in 1931 and a cartoon studio in 1951, and the adjoining property to the northwest contains a new, small battery-repair facility in 1951. The surrounding area shows an overall increase in development, mainly for commercial purposes, including new filling stations to the north.

1990-2003: The structure on the subject property is now labeled as a generic manufacturing facility, and buildings at the adjoining properties to the west and south are labeled as generic commercial structures (appliance repair is noted to the south in 1990). The adjoining property to the east (1990) and northeast (1993) are now vacant (or labeled as parking lots). The large building to the north is used as a film studio in the 1990s and then as a likely grocery store in 2003. The adjoining property to the northwest is used as an automotive repair facility. Additional filling stations are noted in the surrounding area.

City Directories

WCD reviewed historical city directories dated 1975, 1985, 1992, 1995, 1999, 2003, 2008, and 2013 for the subject property and for several adjoining properties (data sources are provided in Appendix D). The on-site building has been occupied by Eric S. Turner & Company (current occupant) since 1975. The adjoining property to the north was occupied by an automotive repair facility in 1975.

3.1.5 Municipal and Regulatory Agency Records

Assessor's Office Records

City of New Rochelle Assessor's Office property card records for the subject property were reviewed on October 3, 2017. According to notations made on the property card, the structure located on the subject property was built in 1925 for use as a garage and "dairy storage", and is heated with oil. No other information pertinent to the environmental integrity of the subject property was present in these records. Readily available property ownership information is summarized in Section 3.1.3.

Building Department Records

City of New Rochelle Bureau of Buildings records for the subject property were reviewed on October 9, 2017. Included in the records was a building permit (September 21, 1972) to alter the existing structure for plating and metal finishing operations.

Local Agency Interviews

Health Department

A request was made on October 2, 2017 to search available Westchester County Health Department records for information regarding the subject property. No response from this agency has been received as of the date of this Report.

NYSDEC

A request was made on September 29, 2017 to search available NYSDEC records for information regarding the subject property. According to the NYSDEC, that agency does not maintain files identified with the subject property address. NYSDEC personnel provided copies of relevant documents for environmental investigations conducted at the adjoining property to the west (see Section 3.2.2, State Sites).

3.1.6 Previous Environmental Reports

WCD did not review any previous environmental reports documenting investigations at the subject property; a review of documents pertaining to the adjoining property to the west, however, provided information relevant to conditions at the subject property (see Section 3.2.2, State Sites).

3.2 Review of Federal and State Agency Records

Federal and state computer databases and printed records were reviewed for documentation of environmental conditions and/or liabilities relevant to the property.

3.2.1 Methodology

The following ASTM Standard Environmental Record Sources (as available for the subject property's locality) were reviewed (search distances are consistent with, or exceed, ASTM requirements).

Federal National Priority List (1.0 mile) and delisted National Priority List sites (0.5 mile)
Federal SEMS (formerly CERCLIS) list and SEMS NFRAP site list (0.5 mile)
Federal RCRA CORRACTS facilities list (1.0 mile)
Federal RCRA non-CORRACTS TSD facilities list (0.5 mile)
Federal RCRA generators list (subject/adjoining properties)
Federal ERNS list (subject property)
Federal, State, and Tribal Institutional Control / Engineering Control registries (subject property)
State- and Tribal-equivalent NPL (1.0 mile)
State- and Tribal-equivalent SEMS (0.5 mile)
State and Tribal Brownfield and voluntary cleanup sites (0.5 mile)
State and Tribal leaking storage tank lists (0.125 mile)*
State (including locally administered) and Tribal registered storage tank lists (subject/adjoining properties)
State and Tribal landfill and/or solid waste disposal site lists (0.5 mile)

* *The search distance for this ASTM database has been reduced due to the high level of development of the area in which the subject property is located.*

Additional Environmental Record Sources (as available for the subject property's locality) were reviewed to enhance and supplement the review of standard sources, including: state spill file records and MOSF lists, federal and state radon data (by local municipality as available) and wastewater discharge permits, and federal Toxic Release Information System (TRIS) and Facility Index System (FINDS) databases.

A copy of relevant portions of a database search conducted by Environmental Data Resources, Inc. (EDR) for WCD is provided is provided in Appendix E. Not all sites contained in the attached database search may be referenced below; some sites may have been excluded based on either ASTM requirements, WCD's scope of services or professional opinion, and/or information obtained during the review of historical records and the site inspection. Some information may have been deemed to not be practically reviewable (e.g., records lack adequate address information). Sites or additional information not included in the database search may also be referenced based on WCD's knowledge of the subject property area.

WCD's opinion is presented for any sites identified within the specified approximate minimum search distances as to any possible impacts that might result in RECs in connection with the subject property, arising from the migration of contaminated soil, soil vapor and/or groundwater. Evaluation of potential impacts to the subject property is based on: distance and direction to the identified site; type of regulated materials and other relevant information found in available records; presence of intervening roadways and/or other physical conduits; local physical setting (topography, soil conditions, geology, hydrology, etc.); and other information known to WCD.

3.2.2 Findings of Regulatory Records Review

Federal Hazardous Waste-Contaminated Sites

The subject property is not identified on the United States Environmental Protection Agency's (USEPA): National Priority List (NPL) of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions; Superfund Emergency Management System (SEMS, formerly known as CERCLIS) list of sites that are proposed to the NPL or that are in the screening and assessment phase for possible proposal to the NPL; SEMS-Archive list (formerly known as CERCLIS NFRAP), which are former SEMS sites that were delisted because no significant hazardous waste contamination was found, or because the site has been remediated; or Federal Brownfields list of sites with known or potential contaminants receiving federal cleanup funding. The subject property is not identified on readily available USEPA Institutional Control/Engineering Control registries.

No NPL sites are located within one mile of the property and no SEMS sites or delisted NPL sites are located within a half mile of the property.

State Sites

Inactive Hazardous Waste Disposal Sites

NYSDEC maintains a Registry of Inactive Hazardous Waste Disposal Sites (IHWDS), a state equivalent to the federal NPL, which are commonly referred to as "Registry" or "Superfund" sites. Sites are placed on the Registry if there is evidence that hazardous waste was disposed and NYSDEC and NYSDOH determine that a significant threat to public health is present. When a site has been remediated, it is reclassified or removed from the Registry (delisted) to indicate that the significant threat(s) has been addressed. Non-Registry sites may (but usually do not) also present significant threats.

The subject property is not identified as a NYSDEC IHWD site, and has not been listed as a site under investigation for inclusion in the IHWDS Registry (a state equivalent to the federal SEMS List).

The following relevant sites have been identified:

Site Name	Site ID	Distance/Direction	Classification Code
Industrial Overall Service Corp.	360109	Western adjoining property	2 – significant threat, action required
Bakers Pride Oven Co, Inc.	360087	0.19 mile, SW	N – no further action at this time
Consolidated Edison – Echo Ave. Site	360016	0.60 mile, NE	P – potential site, further investigation needed

WCD reviewed a Remedial Investigation Report and Supplemental Remedial Investigation Report (issued in November 2016; collectively referenced as the "RIR") prepared for the Industrial Overall Services site, a former dry cleaning facility. Releases of tetrachloroethylene (PCE), a chlorinated volatile organic compound (cVOC), at the IHWD site (as well as at the adjoining Metro North Railroad property) have resulted in significant soil, soil vapor and groundwater contamination (groundwater impacts extend as far as 1,900 feet to downgradient locations to the southwest). Compounds found in contaminated media include the cVOCs trichloroethylene (TCE) and other breakdown products of PCE. The cVOC 1,1,1-trichloroethane (TCA), an industrial solvent generally used for degreasing operations unrelated to dry cleaning, was identified at high concentrations in monitoring wells located on Relyea Place (between the IHWD site and the subject property). Low levels of PCE and TCE (below NYSDEC groundwater standards) were detected in several monitoring wells located in the Centre Avenue sidewalk north of the subject property.

Figures presented in the RIR provide "interpreted" groundwater contours of cVOC contamination, indicating potential impacts from PCE, TCE and TCA beneath the building on the subject property. The RIR indicates that TCA contamination may have resulted from historical uses pre-dating the dry cleaning operations at the IHWD site, but states that the source of TCA in groundwater appears to be the result of an upgradient, off-site source.

Excerpts from the RIR are provided in Appendix F.

Based on WCD's review of reported information, the remaining two identified sites are not likely to significantly impact the subject property.

Voluntary Cleanup, Brownfields Cleanup, and Environmental Restoration Programs

Significantly contaminated properties that are not Registry sites may be listed in NYSDEC database records based on participation in the Voluntary Cleanup (VCP), Brownfields Cleanup (BCP) or Environmental Restoration (ERP) NYSDEC environmental remediation programs.

The subject property has not been identified as a NYSDEC remedial program site.

The following relevant sites have been identified:

Site Name (Program)	Site ID	Distance/Direction	Classification Code
The Huguenot (BCP)	C360157	0.08 mile, S	A – active site, work is ongoing
Off-Site Flamingo Cleaners (BCP)	C360078A	0.30 mile, E	A – active site, work is ongoing
Flamingo Cleaners (BCP)	C360078	0.30 mile, E	C – completed, may need maintenance
Schmuckler's Dry Cleaners (BCP)	C360088	0.41 mile, N	A – active site, work is ongoing

Based on WCD's review of reported information, these sites are not likely to significantly impact the subject property (although located nearby, any groundwater contamination at the Huguenot site is likely to be downgradient of the subject property).

New York Institutional and Engineering Controls

The subject property is not identified in NYSDEC Institutional and Engineering Control databases.

Federal Hazardous Waste Handlers

The SEMS database details facilities that report treatment, storage or disposal of hazardous waste (TSD facilities) or generation or transportation of hazardous waste. Facilities that have been notified by the USEPA to take corrective action regarding their handling of hazardous waste are classified as CORRACTS facilities.

CORRACTS and/or TSD Facilities

The subject property is not registered with the USEPA as a CORRACTS and/or TSD facility for hazardous waste or materials. No TSD facilities are located within one mile of the property.

The following relevant site has been identified:

Site Name	Site ID	Distance/Direction	Database
Rush MFG Corp.	NYD075436394	0.16 mile, SW	CORRACTS

Based on WCD's review of reported information, this site is not likely to significantly impact the subject property.

Generators or Transporters (Non-CORRACTS)

The subject property is identified in USEPA records as a conditionally exempt small quantity generator (CESQG) in 2007, a small quantity generator (SQG) in 2006 and a large quantity generator (LQG) in 2005 and 1994 (EPA ID NYD002015402). State manifest records indicate that non-listed corrosive waste was transported off-site in 2004. No violations have been recorded for the subject property. According to Mr. Turner, the current on-site electroplating operation does generate hazardous wastes.

Two Con Edison utility manholes are identified in database records at addresses of adjoining properties. Based on WCD's review of reported information, these sites are not likely to impact the subject property.

Landfills and Solid Waste Disposal Facilities

The NYSDEC's Facility Register does not list the subject property as an active or inactive landfill or solid waste disposal facility.

The following relevant sites have been identified:

Site Name	Status	Distance/Direction	Classification
New Rochelle Leaf TS	Active	0.37 mile, SW	Transfer station
Queen City Recycling Center	Active	0.37 mile, SW	C & D processing

Based on WCD's review of reported information, these sites are not likely to impact the subject property.

Chemical Bulk Storage (CBS)

A review of NYSDEC records indicates that the subject property and adjoining properties are not registered as CBS facilities. The on-site building contains numerous open-topped "baths" utilized in electroplating operations, some of which were observed to contain standing liquids; determination as to compliance with NYSDEC CBS regulations (i.e. specific requirements for chemical composition, maximum storage time, use

of containers as "process equipment", etc.) is beyond the scope of this Report. Evidence of CBS was not observed at any adjoining properties.

Petroleum Bulk Storage (PBS)

The Westchester County Department of Health (WCDOH) is a designated administrator of the NYSDEC PBS program and maintains the current database of County PBS facilities. PBS database searches conducted by EDR include the WCDOH database and older PBS records maintained by the NYSDEC prior to WCDOH administration of the program.

Subject Property

The subject property is not identified in database records as either a regulated or unregulated PBS facility. Observations made during the site inspection indicated the presence of two, manifolded 220-gallon fuel-oil aboveground storage tanks (ASTs) located at the northern interior wall of the basement (see Section 3.3.3 Petroleum Storage). According to Mr. Turner, a former 550-gallon fuel-oil underground storage tank (UST) servicing the subject property was previously located in the western sidewalk at Relyea Place. The tank was closed in place circa 2007.

No NYSDEC spill events are reported for the subject property.

County PBS Regulations

WCDOH petroleum bulk storage regulations (Article XXV of the Westchester County Sanitary Code) apply to facilities with a combined storage capacity greater than 1,100 gallons, properties with USTs greater than 110 gallons and/or properties with waste-oil USTs and/or ASTs (a property is not a facility if tanks are not interconnected, are used to store oil for on-premises consumption and no single tank has a capacity greater than 1,100 gallons. Based on the known capacity and use of the on-site tanks, the property is not subject to these PBS regulations.

Adjoining Properties

No adjoining properties are identified in database records as regulated or unregulated PBS facilities.

Major Oil Storage Facilities

The subject property is not listed with the NYSDEC as a major oil storage facility (MOSF). No MOSFs are located within a half mile of the property.

Federal Chemical and Petroleum Spills

The USEPA Emergency Response Notification System (ERNS) database details initial reports of releases of oil and hazardous substances as reported to federal authorities. There are currently no chemical or petroleum spills on record for the subject property.

State Chemical and Petroleum Spill and Leaking Underground Storage Tank Events

NYSDEC database records were reviewed to determine possible impacts from leaking tanks and other reported releases within an eighth mile of the subject property. No spill events are known to have occurred at the subject property.

Two closed spill events were reported at adjoining properties:

Spill File ID and Status	Location	Material Spilled	Spill Date (Closure Date)
1310684 – closed	Western adjoining property	PCE, Quantity unknown	January 13, 2014 (March 30, 2017)
1309988 – closed	Western adjoining property	Motor oil, 2 gallons	January 14, 2014 (January 14, 2014)

Spill number 1310684 was reported after an unknown amount of PCE was dumped into the soil (see State Sites, above). Spill number 1309988 was reported after oil was observed leaking into a sewer drain. Cleanup was conducted and the spill was subsequently closed later that day.

An open spill event is reported at 381 Huguenot Street, located approximately 450 feet to the south. Given the likely downgradient location and distance, this spill is not likely to have impacted the subject property.

No other relevant spill events were identified in database records.

Air Discharges

No NYSDEC permits for air discharges from the subject property are known to exist. No operations likely to require a NYSDEC air discharge permit were noted on the subject property.

Wastewater Discharges

No USEPA National or NYSDEC State Pollutant Discharge Elimination System (NPDES or SPDES) permit was identified for the subject property. No operations likely to require a NPDES or SPDES permit were noted on the subject property. According to municipal records, the subject property is connected to the municipal wastewater system. No adjoining properties are registered as NPDES or SPDES facilities.

Radon

Information on radon levels was obtained from New York State Department of Health (NYSDOH) documents. No regulatory standards for radon levels currently exist in New York State. The USEPA has established a guidance value (the level where mitigation measures may be appropriate) for radon concentrations of 4.0 or greater picoCuries/liter (pCi/l). Other regulatory authorities (e.g., OSHA) have established guidance levels that are directly related to specific site activities (a determination as to applicable radon guidance levels is beyond the scope of this report). Available radon information for the subject property's vicinity is summarized below (all radon levels provided in picoCuries/liter [pCi/l]).

NYSDOH Radon Information	Westchester County	City of New Rochelle
Number of Homes Tested	2,535	134
Average Radon Level	1.74	1.29
Percent of Homes >4.0 pCi/l	17.3	9.0

These average radon levels are below the USEPA's guidance value of 4.0 pCi/l and less than 20% of the homes tested in the subject property's vicinity had levels above this guidance value. These data support the conclusion that elevated radon levels are not likely to be present on the subject property. Mr. Turner had no information regarding radon testing at the subject property.

3.3 Site Inspection

3.3.1 Protocol

The site inspection was conducted on October 4, 2017 to address any potential concerns raised during the investigation of the site's history (Section 3.1) and the regulatory agency records review (Section 3.2), and to identify any additional indications of contamination from the use, storage, or disposal of hazardous or regulated materials. To the extent possible, site structures, vegetation, topography, surface waters, and other relevant site features were examined for any obvious evidence of existing or previous contamination or unusual patterns (e.g., vegetative stress, soil staining, surface water sheen, or the physical presence of contaminants), which would indicate that the environmental integrity had been or could be impacted.

Section 3.3.2 describes the physical characteristics of the subject property. Section 3.3.3 is divided into topics on specific environmental conditions or concerns, actual or potential, noted on the subject property during the site inspection. Section 3.3.4 describes the physical characteristics of adjoining properties as they concern the potential or actual environmental condition of the subject property.

A Selected Site Features Map illustrating the general layout of the subject property and the locations of specific areas of concern (if any) is provided on Page 8, and photographs of the subject property are provided in Appendix A.

3.3.2 Physical Characteristics of the Subject Property

3.3.2.1 Property

The subject property is a square, 0.23-acre parcel, which has 100 feet of frontage on the southern side of Centre Avenue and a maximum depth of 100 feet. A one-story commercial building occupies the property (see below). The exterior walls of the on-site building define the property lines.

3.3.2.2 Structures

The on-site building is a one-story masonry structure with a concrete slab-on grade foundation (except at the northwestern corner where a partial basement is located) and wood-frame roof. Exterior siding is brick and the roof is likely to be covered by asphaltic materials (note: the roof was not accessible during the site inspection). City of New Rochelle Assessor's Office records indicate that the building dates from 1925. Several, small wood-framed spaces (e.g., office, bathroom) with wallboard systems are present at the western portion of the building. Interior surfaces are generally unfinished (degraded metal coverings were observed at portions of the ceiling).

The building, occupied by Eric S. Turner and Company, Inc. since 1971, is used for electroplating and metal finishing operations. Active and inactive electroplating gear, including multiple cleaning and plating baths, as well as related equipment, stored supplies and waste containers, are present throughout the structure.

Potable Water Supply

According to available information, potable water is obtained from the municipal water system. No water supply wells were noted on the subject property during the site inspection and no on-site uses of groundwater are known to exist for the subject property.

Sewage Disposal System

According to available information, the on-site structure is serviced by the municipal sewer system.

Heating/Cooling

The on-site structure is heated with hot water generated by an oil-fired boiler in the basement. An electric water heater is located near the boiler. A window-mounted air conditioning unit cools an office located at the northwestern corner of the structure; the remainder of the on-site structure is not cooled. According to Mr. Turner, process water for electroplating operations is heated by a separate gas-fired boiler located in the first floor mechanical room at the southwest corner of the building.

3.3.3 Specific On-Site Environmental Conditions

Debris Areas

On-site debris is generally restricted to the presence of empty drums, and metal fragments (from cleaning electrodes) and metal salts and/or metal oxides (from sides of plating tanks) that are scattered on the floor in multiple interior areas.

Petroleum Storage

Two, manifolded 220-gallon fuel-oil ASTs are located at the northern interior wall of the basement. These tanks appeared to be sound and were noted to be free of signs of corrosion, staining or leakage. The fill port and vent pipe servicing the ASTs are located near the northwestern exterior wall of the building. No staining was noted on or near the fill ports and vent pipe.

According to Mr. Turner, a former 550-gallon fuel-oil UST servicing the subject property was previously located in the western sidewalk at Relyea Place. The tank was closed in place (filled with sand or cement) circa 2007, reportedly with the approval of the Bureau of Buildings. A patch in the sidewalk and evidence of the former vent pipe were noted during the site inspection.

Several small containers of petroleum products (lubricants, etc.) are located in various locations throughout the building. No staining or other evidence of a release from these containers was observed. No other small quantities of petroleum products, aboveground storage tanks or indications of underground petroleum storage tanks (e.g., fill ports or vent pipes) were observed on the subject property.

Chemical Storage

Multiple containers of metal salts/solutions, additives and various cleaners used in the electroplating process, and small containers of paints, paint remover and similar items are stored within the building, as are various waste containers holding spent materials (at least one drum was observed to be labeled as hazardous waste [D002 - corrosive materials]). No significant staining or other evidence of a release from these containers was observed during the site inspection.

Multiple open topped plating baths are present at the southern portion of the building. Some of these containers have standing liquids, including cleaning solutions and plating solutions. Metal salts and/or metal oxides have accumulated at exterior portions of some tanks and were observed to have fallen (or been disposed of) on floor areas in the vicinity of the baths.

An empty 55-gallon drum formerly containing TCE was observed at the northeastern portion of the building. According to Mr. Turner, TCE and potentially other chlorinated solvents were used on-site in the 1970s, and the empty drum is solely used to store trash and similar items.

Asbestos-Containing Materials

Asbestos-containing materials (ACM) are those materials containing over 1% of any type of asbestos. Asbestos has been incorporated into a wide variety of building products based on its thermal and resilient qualities, including insulation, texture-finished ceiling and wall materials, sprayed- or troweled-on structural coverings, floor and ceiling tiles, dry-wall/sheet rock, joint compound and siding and roofing materials. Although ACM are no longer used as extensively as they were prior to the 1970s (when the federal government began regulating and/or prohibiting the use of ACM in specific applications), asbestos may still be found in common building products used today. The presence or absence of asbestos within a material can only be determined through the physical analysis of material samples. Mr. Turner had no information regarding testing or surveys for asbestos being conducted at the subject property. The date of construction of the on-site building (1925) indicates that ACM is likely to have been used during initial construction and/or subsequent maintenance work.

Lead-Based Paint

Lead-based paint (LBP) is paint containing at least 0.5% lead by weight. The presence of LBP presents a risk of both environmental contamination and potential health impacts from inhalation and/or ingestion of paint dust or chips (lead in paint has been regulated since 1978). The presence or absence of lead in painted surfaces can only be determined through the physical analysis of material samples. Mr. Turner had no information regarding surveys for LBP being conducted at the subject property. The date of construction of the on-site building (1925) indicates that LBP is likely to have been used during initial construction and/or subsequent maintenance work. All painted surfaces (exterior and interior walls) observed during the site inspection were in poor condition.

Wastewater Discharges

The term “wastewater” indicates water that: (1) is or has been used in an industrial or manufacturing process; (2) or is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant; (3) or conveys or has conveyed sewage (water originating on or passing through or adjacent to a site, such as stormwater flows, is not generally considered to be wastewater). Wastewater generated from the cooling of metal lathes is discharged into interior pipes drains that lead to the municipal sewer system (see below). No other evidence of wastewater discharges into drains, ditches, or streams on or adjacent to the property was observed during the site inspection.

Interior Floor Drains/Sumps/Conduits

A floor drain covered by a piece of wood is located at the northeastern portion of the building. Visible staining (but no obvious odors of other field indications of contamination) was noted at the drain. According to available information, all floor drains inside the buildings lead to the municipal sewage system. No other floor drains, sumps, or conduits to the subsurface were noted inside the structure.

Stormwater Management and Exterior Drains/Sumps/Conduits

No exterior stormwater catch basins, drains, sumps, or other potential significant conduits to the subsurface, or indications of liquid discharges into drains, ditches, or streams on or adjacent to the property, were observed on the subject property.

Staining/Corrosion/Leaks

Chemical staining (including the presence of overt accumulations of crystals) is present at floor areas throughout the southern portion of the building, in the vicinity of the electroplating operations, and minor petroleum staining was observed on equipment and floors at the northeastern portion. Concrete floors in these areas were noted to be in somewhat poor condition.

Topographic Irregularities

No overt topographic irregularities (e.g., sinkholes or berms) indicative of the presence of non-natural materials (including debris) in the subsurface were observed on the subject property.

Vegetative Features

No overt areas of stressed or dying vegetation indicative of the presence of contaminants in surface or subsurface soils were observed on the subject property.

Pits, Ponds, or Lagoons

No pits, ponds, or lagoons exhibiting evidence (e.g., discolored water, distressed vegetation, obvious wastewater discharge) of holding liquids or sludge containing hazardous substances or petroleum products were observed on the subject property.

Surface Waters

No surface water bodies are located on the subject property.

Odors

No unusual odors indicative of the presence of contamination were noted during the site inspection.

PCBs

Electrical equipment (rectifiers) used in the plating process, located in the southern portion of the building, may potentially contain PCBs. No other equipment likely to contain PCBs was noted on the subject property.

3.3.4 Environmental Concerns at Adjoining and Nearby Properties

Adjoining and nearby properties were observed from the subject property and from public thoroughfares to identify any recognized environmental conditions or other potential environmental concerns. No conditions likely to significantly impact the subject property were observed during the site inspection.

3.4 On-Site Environmental Investigations

Environmental sampling for soil vapor was conducted in conjunction with the Phase I ESA (complete documentation of fieldwork, including results, is provided in Appendix G). WCD installed three temporary soil vapor implants (SV-01, SV-02 and SV-03; see the Selected Site Features Map) and collected soil vapor samples to document the presence or absence of contamination by volatile organic compounds (VOCs).

Laboratory analyses document extensive sub-slab contamination by chlorinated compounds, primarily at the northern half of the on-site structure. Identified VOCs include very high levels of the industrial solvents TCE and TCA, reported at peak concentrations of 240,000 µg/m^3 and 40,000 µg/m^3, respectively, as well as relatively high levels of PCE (peak concentration 5,900 µg/m^3) and TCE/TCA breakdown products (the presence of breakdown products suggests that contamination is related to historical releases). These data may indicate the presence of an on-site contaminant source (grossly contaminated soil and/or groundwater) beneath the building.

Current findings support the conclusion that no significant petroleum contamination is present in the vicinity of the sampling locations (the location of SV-01, however, may be too far from the former UST location to provide meaningful screening data).

4.0 FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

WCD Group, LLC (WCD) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Practice E 1527-13 to identify recognized environmental conditions (RECs), historical RECs (HRECs) and/or other significant environmental liabilities resulting from or associated with the storage, use, transport, or disposal of hazardous or regulated materials at the property located at 33-35 Centre Avenue, City of New Rochelle, Westchester County, New York. Any exceptions to, or deletions from, this practice are described in Section 1.2 of this report.

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

4.1 Recognized Environmental Conditions

Significant Data Gaps

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

Overview of Identified RECs

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

- Former and current commercial uses of the subject property, including automotive repair and electroplating operations ─ Section 4.2
- Potential impacts from former fuel-oil underground storage tank (UST) ─ Section 4.2
- Potential impacts from historical solvent releases at the western adjoining property ─ Section 4.3

Historical RECs

This assessment has revealed no evidence of Historical RECs in connection with the property.

4.2 Site History

Historical records document residential use of the subject property prior to 1911 and ongoing commercial use since 1925, when the current on-site building was constructed. Early commercial uses have included automotive repair, and the site has since been used for electroplating operations beginning in the early 1970s. These commercial uses are likely to have resulted in releases of petroleum, chlorinated solvents and/or metals to the subsurface at the subject property. Soil vapor sampling conducted in conjunction with this ESA documented very high levels of the industrial chlorinated solvents TCE and TCA (as well as relatively high levels of PCE and TCE/TCA breakdown products), consistent with a potential on-site contaminant source area (grossly contaminated soil and/or groundwater) beneath the building. Chemical staining and residue are present on floors in the vicinity of the electroplating area, suggesting a high potential for subsurface metal contamination. Although no significant petroleum contamination was documented in soil vapor, existing data are not sufficient to rule out a significant release at or near a former fuel-oil UST in the adjoining sidewalk to the west.

No further investigation of historical records is recommended. A comprehensive subsurface investigation is recommended to document existing conditions at the subject property. It is further recommended that future work be conducted with the active involvement of the NYSDEC including the timely release of this information to the NYSDEC.

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

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

4.3 Review of Regulatory Records

The subject property is a current and former generator of hazardous wastes (the property was not otherwise identified during the review of regulatory agency records). The adjoining property to the west is an Inactive Hazardous Waste Disposal Site (IHWDS; NYSDEC Site No. 360109), currently undergoing active investigation and remediation due to historical releases of chlorinated solvents. Although existing data show that contamination conditions at the IHWDS are generally located downgradient of the subject property, investigators have suggested that groundwater contamination from this site may be impacting the western portions of the subject property. Investigative reports have also stated an opinion that documented TCA contamination in wells located at and near the western side of Relyea Place is likely related to an upgradient release site (potentially the subject property, based on available data). No other relevant sites were identified during the review of regulatory records.

Any impacts to the subject property from the IHWDS may be evaluated during the on-site subsurface investigation recommended in Section 4.2. No further investigation of regulatory records is recommended.

4.4. Current Site Conditions and General Environmental Concerns

Electroplating baths (some of which hold standing liquids) are not located within secondary containment, and chemical staining and residue is present on tank exteriors as well as on the floors. These conditions may have resulted in contamination of building structural materials.

It is recommended that all interior equipment be removed, and remaining building materials be tested for metal contamination, prior to building reuse and/or demolition.

Two, manifolded 220-gallon fuel-oil aboveground storage tanks (ASTs) are located at the northern interior wall of the basement. These tanks appeared to be in sound condition and no evidence of a release or an impending threat of a release was observed during the site inspection. Future releases from these tanks, however, could impact the subject property.

It is recommended that all PBS tanks be periodically inspected and managed in accordance with applicable state and local regulations.

4.5 De Minimis Conditions

An environmental condition is considered "de minimis" when that condition generally does not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies. Conditions determined to be de minimis are not recognized environmental conditions.

Chemicals and waste materials related to electroplating activities, other chemicals, petroleum products and paints are stored on site; releases from these containers could potentially impact the property.

It is recommended that all waste products, chemicals, petroleum products and paints be properly stored within adequate secondary containment areas and that appropriate absorbent materials be maintained in all areas where releases could potentially occur. All waste materials should be disposed off-site in accordance with applicable USEPA regulations.

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

No further investigation is recommended. Any suspect material encountered during maintenance, renovation, or demolition activities should be tested for asbestos or lead, or, in the absence of analytical data, be treated as though it contained asbestos or lead. All maintenance, renovation, or demolition activities should be conducted in accordance with applicable regulations.

Electrical equipment potentially containing PCBs is located in the electroplating area of the building.

If this equipment is to remain on-site, it should be tested for PCBs, or, in the absence of analytical data, be treated as though it contained PCBs. All maintenance, renovation, or demolition activities should be conducted in accordance with applicable regulations.

5.0 SOURCES OF INFORMATION

5.1 Maps and Documents

Environmental Data Resources, Inc. (EDR), City Directory Abstract, 1975, 1985, 1992, 1995, 1999, 2003, 2008, and 2013

EDR, Regulatory Database Report, September 29, 2017

MACTEC Engineering and Consulting, P.C., Remedial Investigation Report and Supplemental Remedial Investigation Report, dated November 2016

New York State Department of Environmental Conservation, Freshwater Wetlands Map of the Mount Vernon, New York Quadrangle, accessed online September 28, 2017 via Environmental Resource Mapper at dec.ny.gov

Sanborn Fire Insurance Company Maps dated 1887, 1892, 1896, 1903, 1911, 1931, 1942, 1951, 1990-1996, and 2003

United States Department of Agriculture, Natural Resources Conservation Service, Soil Survey for Westchester County, New York, accessed online September 29, 2017 via websoilsurvey.sc.egov.usda.gov

United States Department of the Interior National Wetlands Inventory Map of the Mount Vernon, New York, Quadrangle, accessed online September 28, 2017 via fws.gov/wetlands/Data/Mapper.html

United States Geological Survey (USGS) Topographic Map of the Mount Vernon, New York Quadrangle, dated 1995, digital image provided by MyTopo.com

5.2 Local Agency Records

City of New Rochelle Assessor's Office computerized records, reviewed October 3, 2017

City of New Rochelle Building Department computerized records, reviewed October 9, 2017

NYSDEC records, requested September 29, 2017

5.3 Communications

Vernon and Kenneth Turner, the property owners, various dates, October 2017

6.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

The following statements are required by 40 CFR 312.21(d) of the environmental professional(s) responsible for conducting and preparing the Phase I Environmental Site Assessment report.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

and

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Paul H. Ciminello
Executive Vice President
WCD Group, LLC

Scott Spitzer
Director of Environmental Investigations
WCD Group, LLC

APPENDIX A

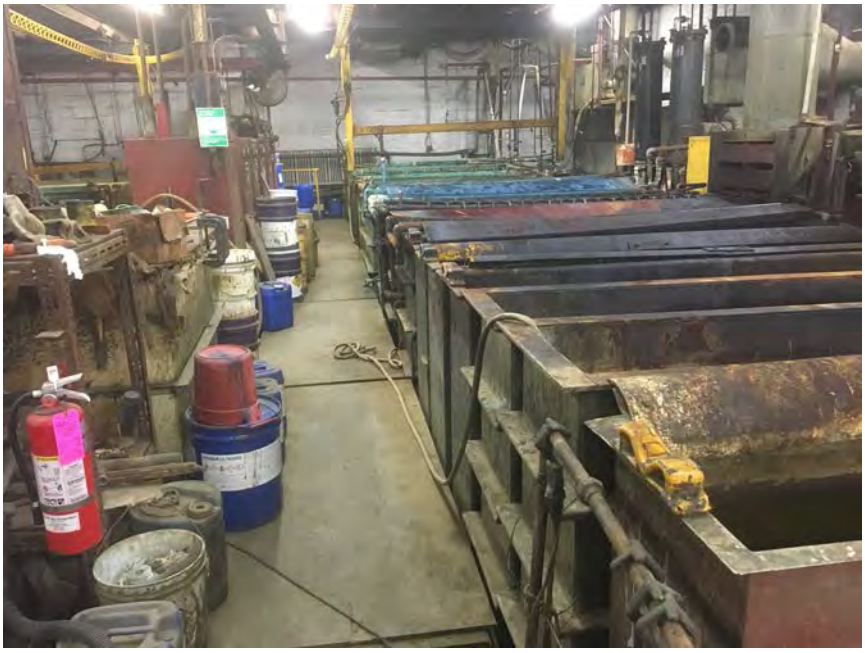
Site Photographs

1. Subject property, looking northeast from Relyea Place

2. Subject property, looking southeast from Centre Avenue

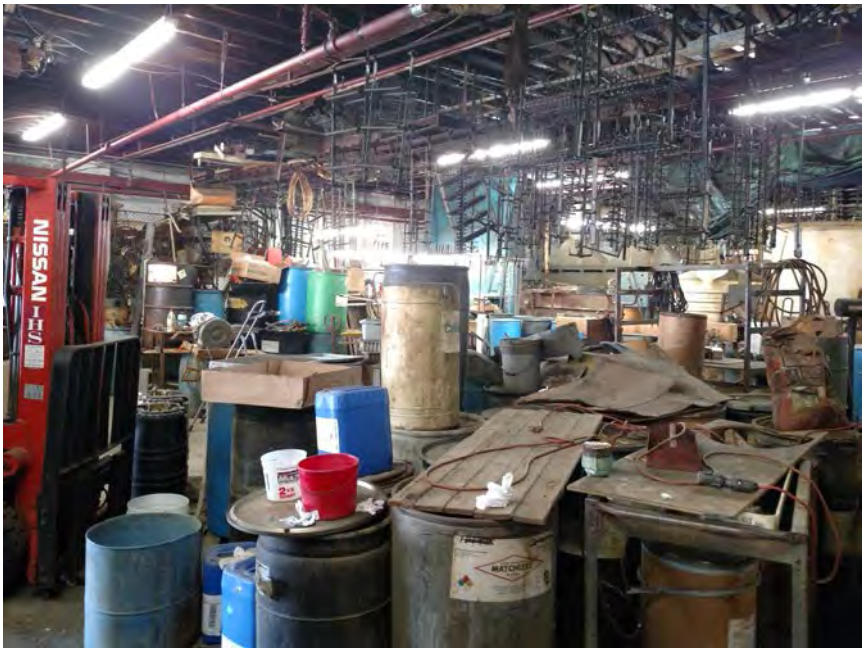
3. Two, manifolded 220-gallon aboveground storage tanks (ASTs), northern portion of basement

4. Fill port and vent pipe servicing ASTs, near southwestern exterior wall

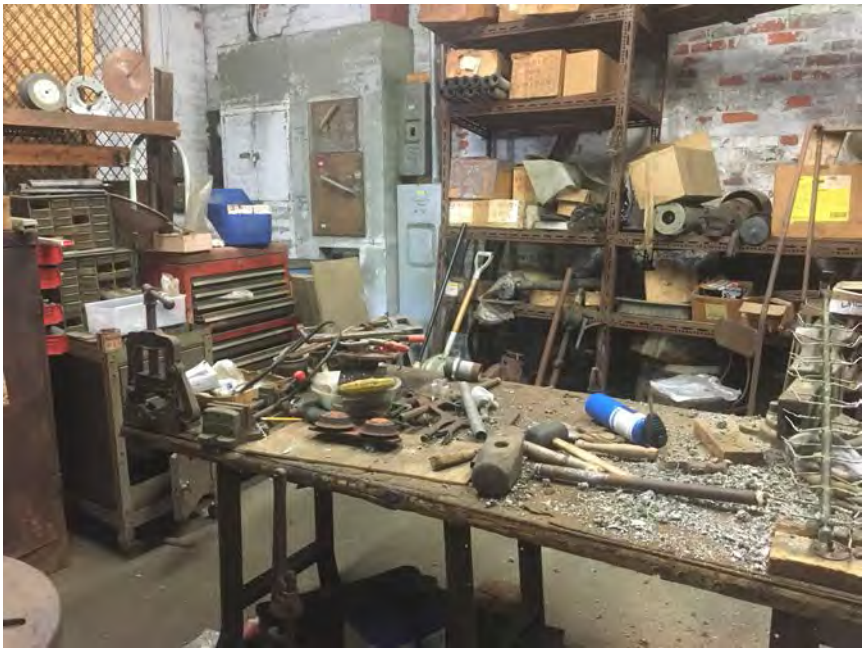


5. Electroplating equipment, southeastern portion of building

6. Electroplating equipment, southeastern portion of building



7. Typical chemical and waste storage drums



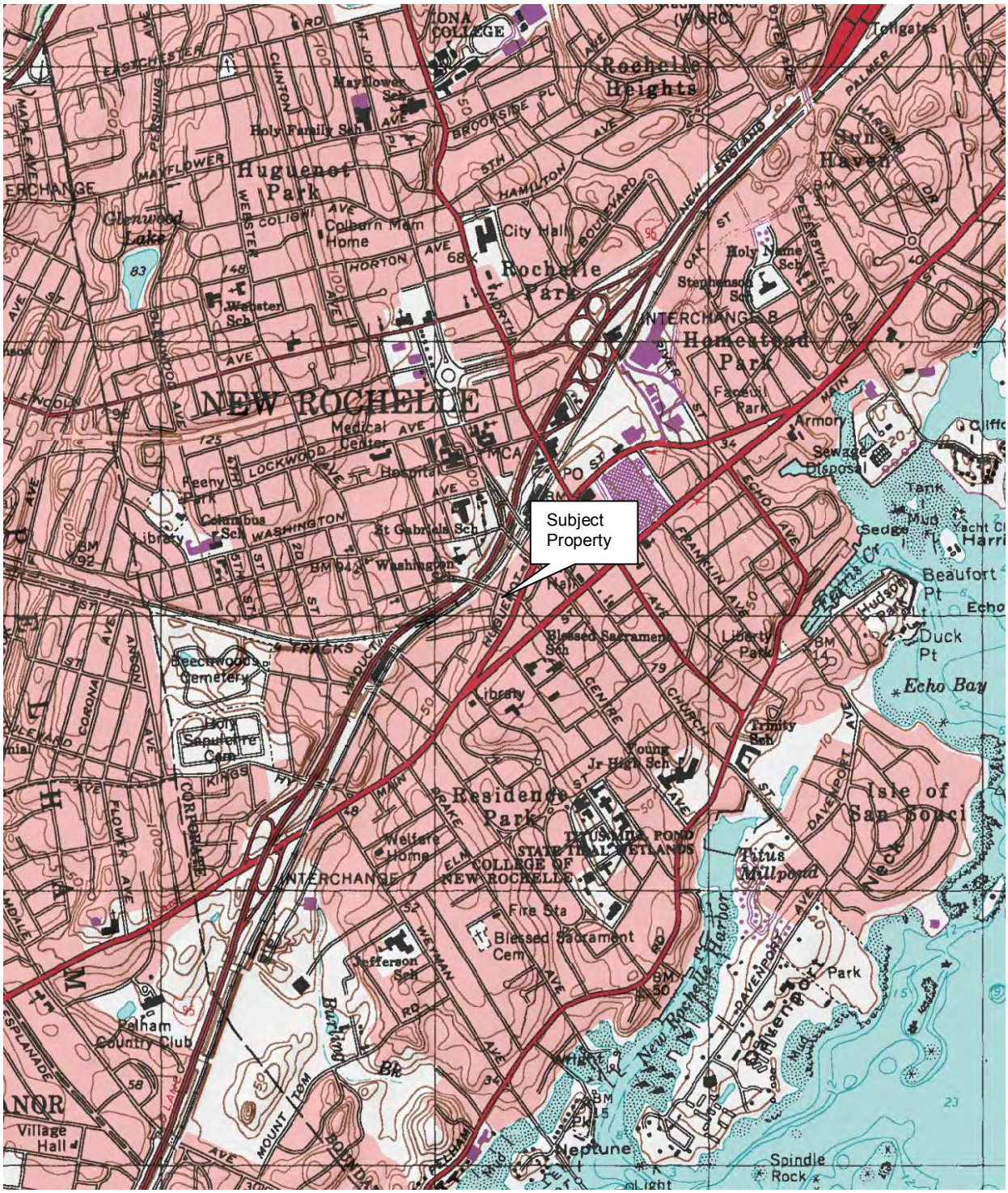
8. Workshop area, northeastern portion of building

9. Area of likely chemical staining, near eastern interior wall

10. Soil vapor sampling (SV-02)

APPENDIX B

Physical-Setting Maps



Source: USGS Topographic Map of the Mount Vernon, New York Quadrangle, dated 1995, digital image provided by MyTopo.com

U.S.G.S. Topographic Map

33-35 Centre Avenue
City of New Rochelle
Westchester County, New York

N

File No: LN17112.10

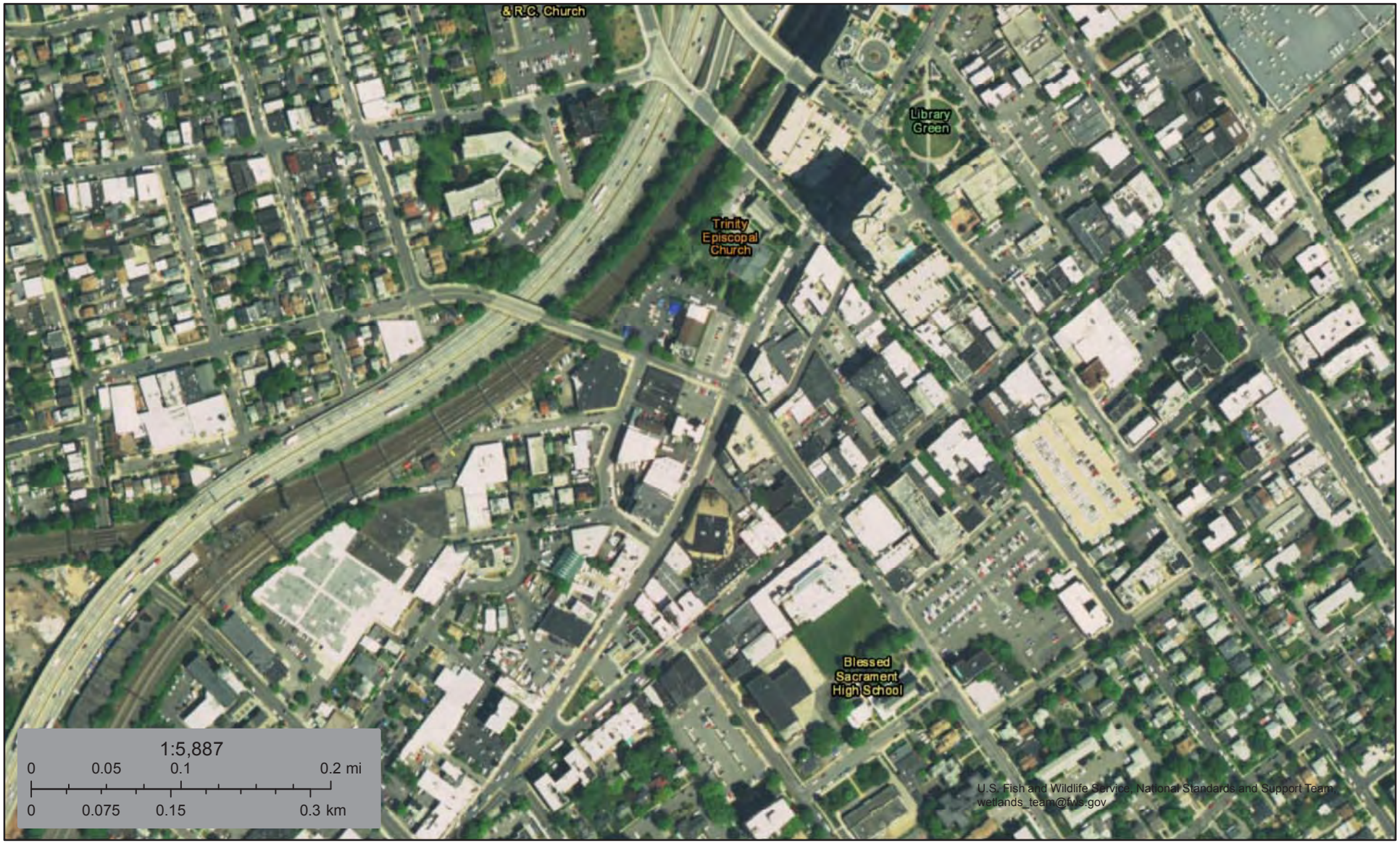
October 2017

Scale: 1:24000

U.S. Fish and Wildlife Service

National Wetlands Inventory

LN17112.10



September 28, 2017

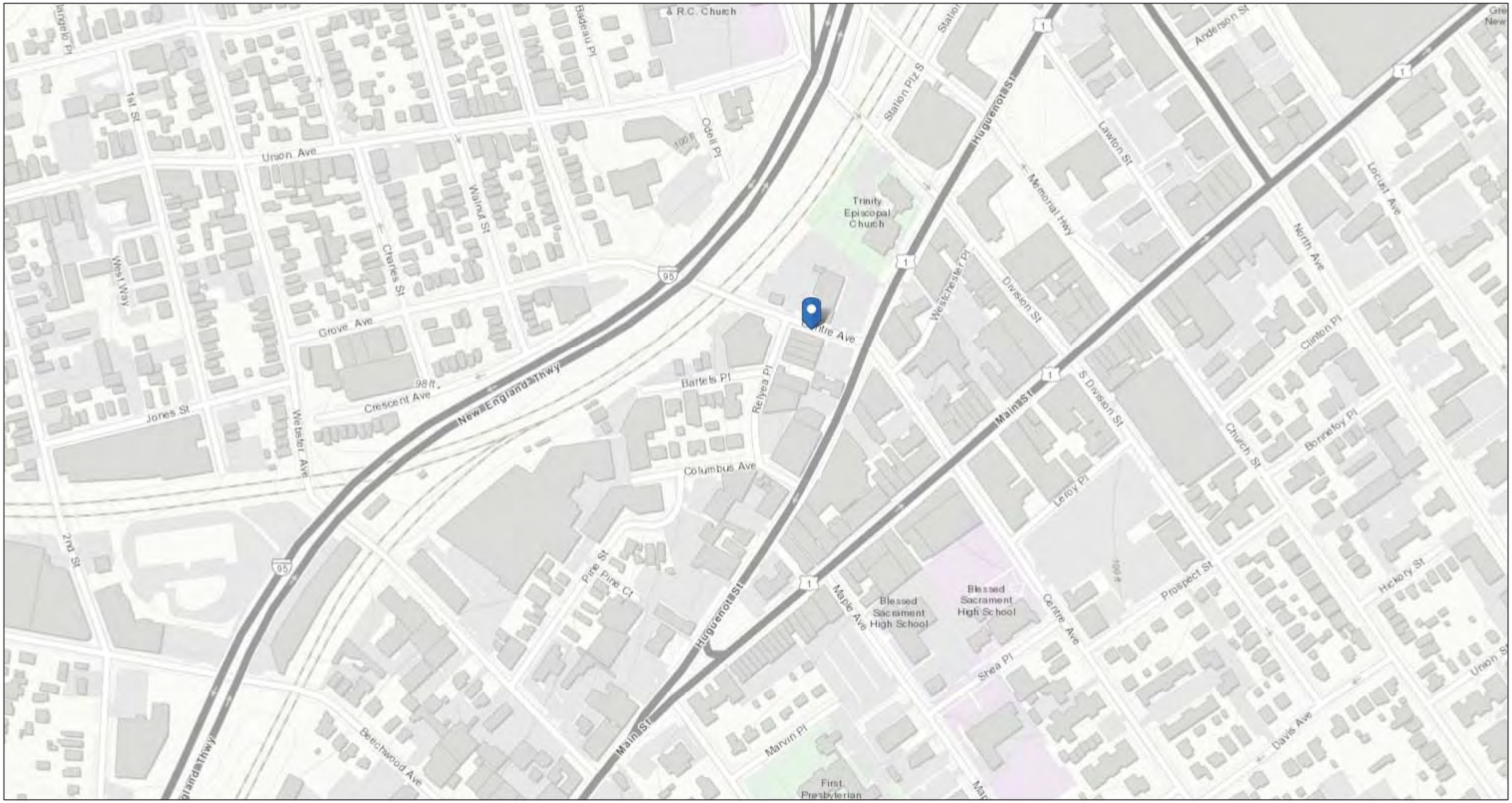
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

LN17112.10



September 28, 2017

1:4,514

0 0.05 0.1 0.2 mi

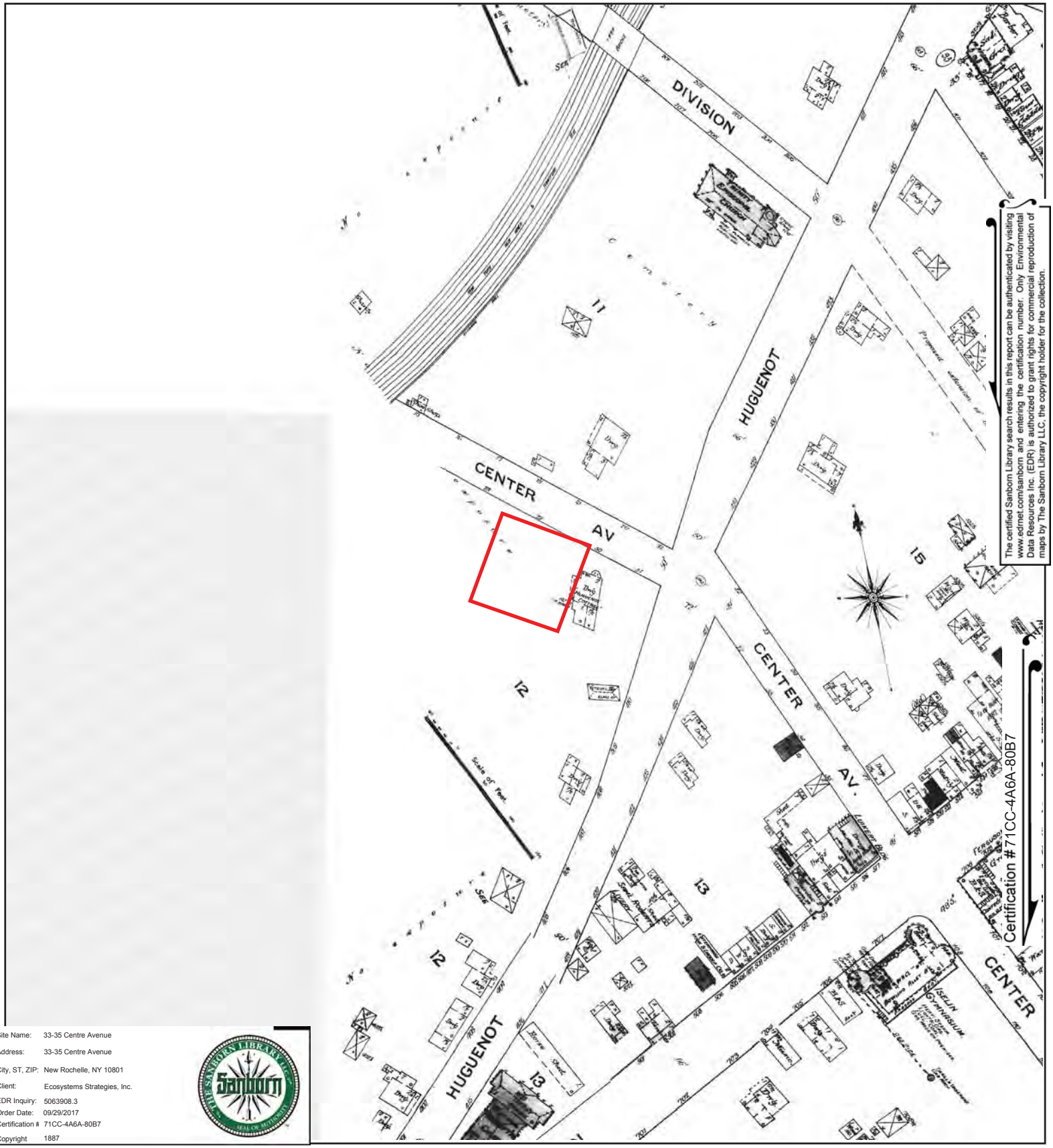
0 0.075 0.15 0.3 km

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

NYS Department of Environmental Conservation
Not a legal document

APPENDIX C

Sanborn Fire Insurance Maps



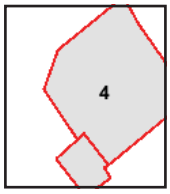
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #71CC-4A6A-80B7

Site Name:	33-35 Centre Avenue
Address:	33-35 Centre Avenue
City, ST, ZIP:	New Rochelle, NY 10801
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	5063908.3
Order Date:	09/29/2017
Certification #	71CC-4A6A-80B7
Copyright	1887

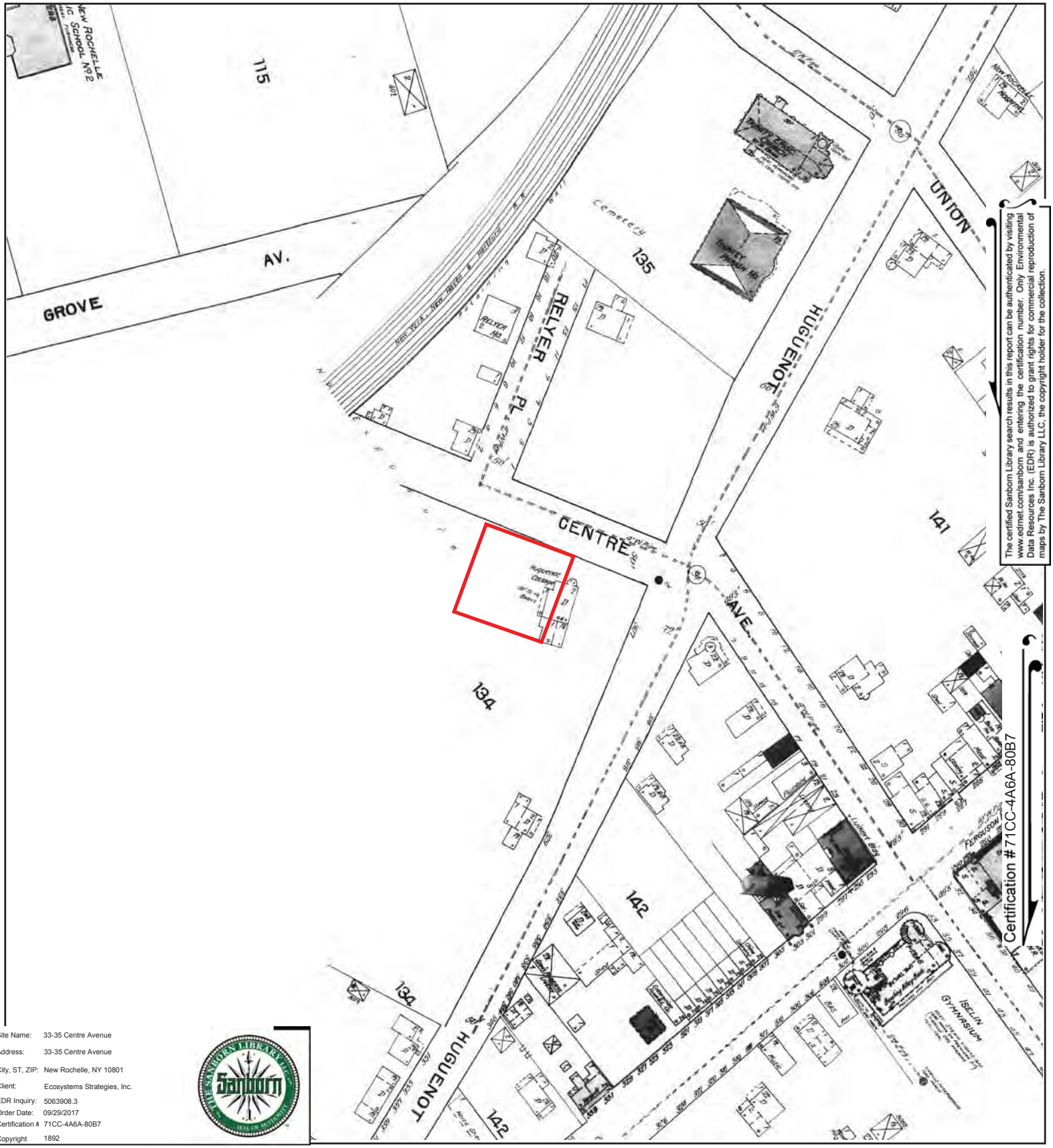
This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet 4

N

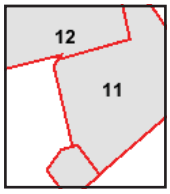


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #71CC-4A6A-80B7

Site Name:	33-35 Centre Avenue
Address:	33-35 Centre Avenue
City, ST, ZIP:	New Rochelle, NY 10801
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	5063908.3
Order Date:	09/29/2017
Certification #	71CC-4A6A-80B7
Copyright	1892

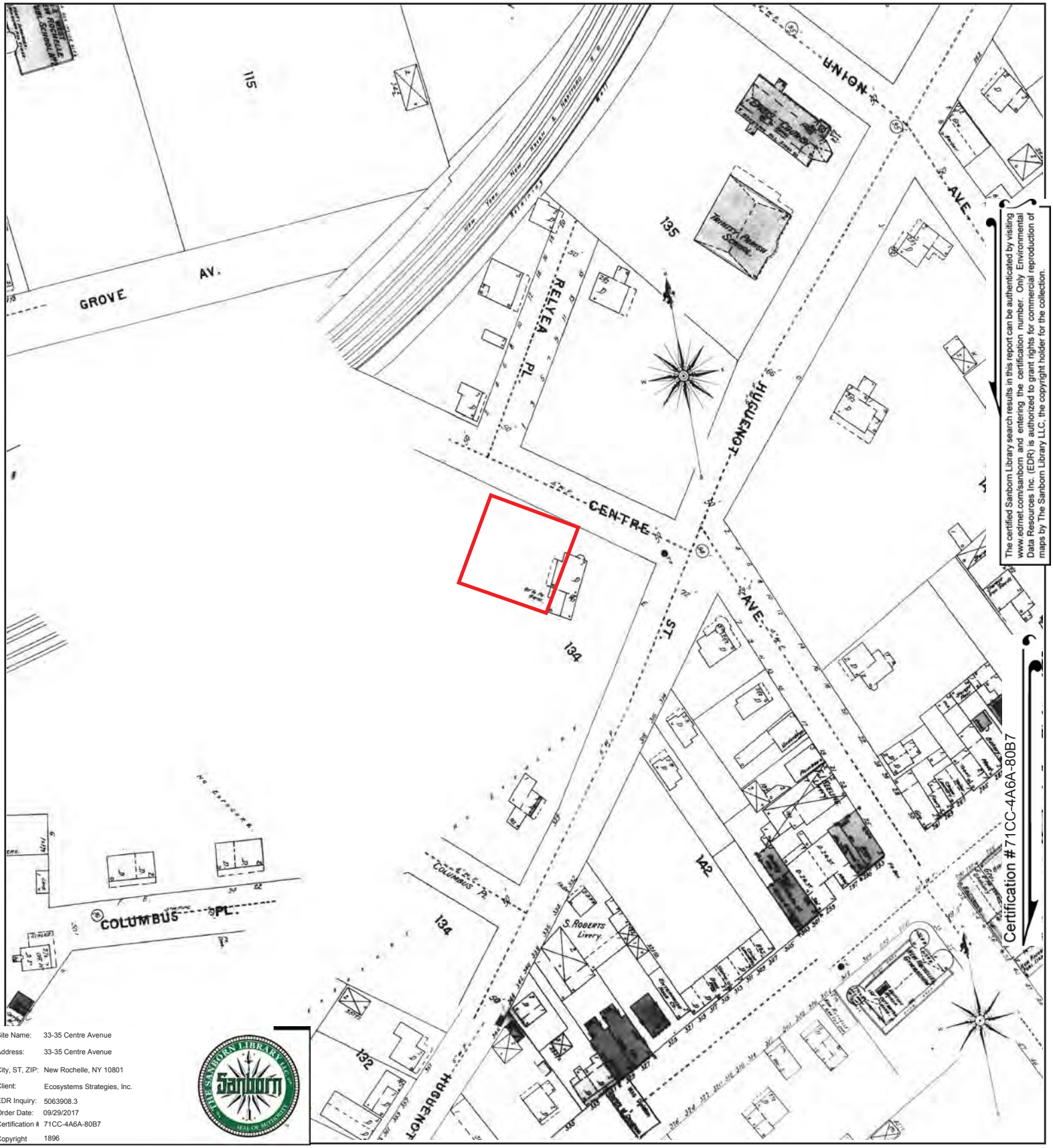
This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 12
Volume 1, Sheet 11

0 Feet 150 300 600

N



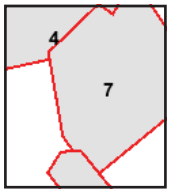
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #71CC-4A6A-80B7

Site Name:	33-35 Centre Avenue
Address:	33-35 Centre Avenue
City, ST, ZIP:	New Rochelle, NY 10801
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	5063908.3
Order Date:	09/29/2017
Certification #	71CC-4A6A-80B7
Copyright	1896

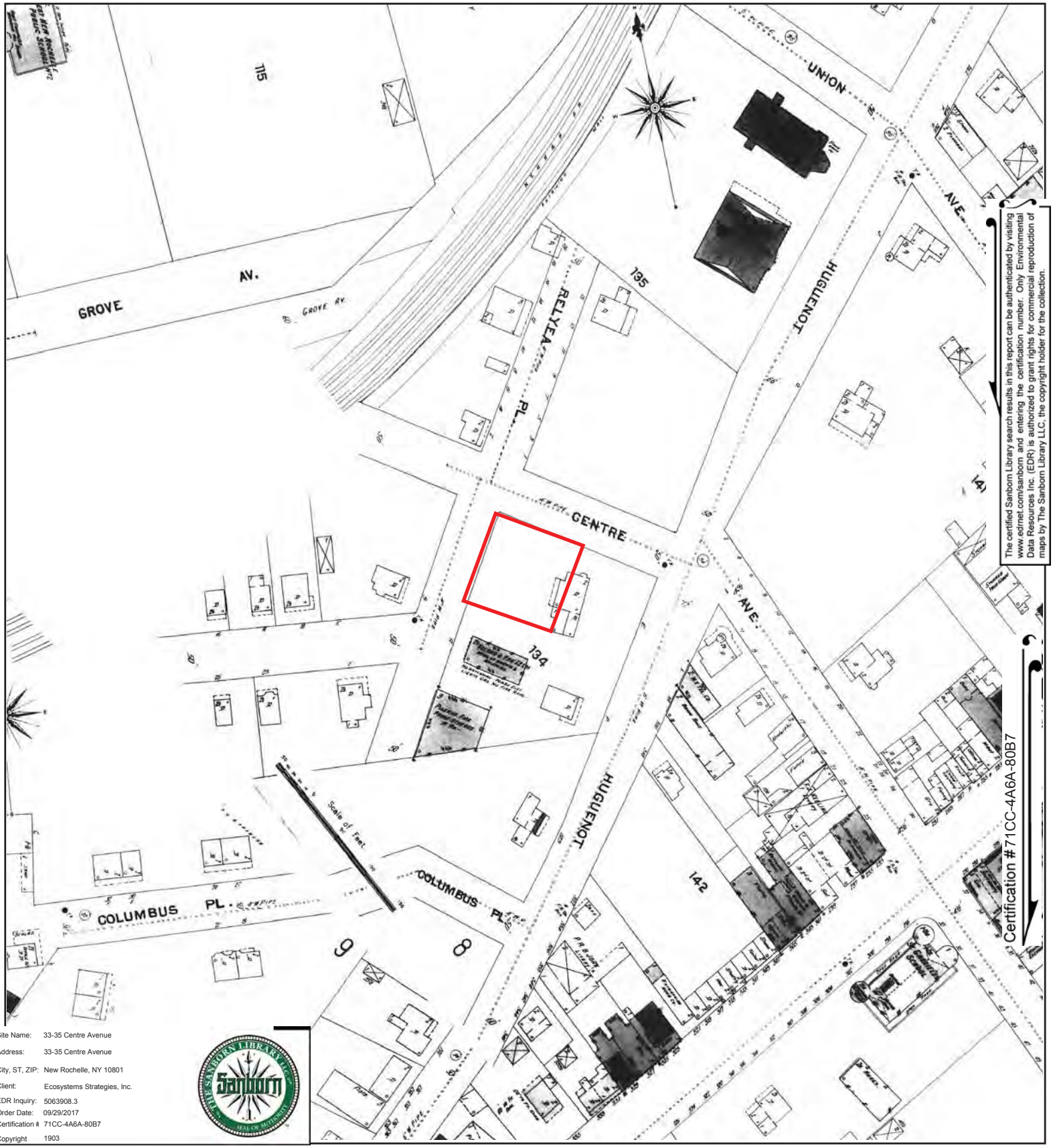
This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet 7
Volume 1, Sheet 4

N



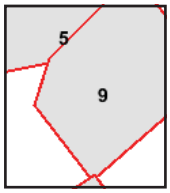
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #71CC-4A6A-80B7

Site Name:	33-35 Centre Avenue
Address:	33-35 Centre Avenue
City, ST, ZIP:	New Rochelle, NY 10801
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	5063908.3
Order Date:	09/29/2017
Certification #	71CC-4A6A-80B7
Copyright	1903

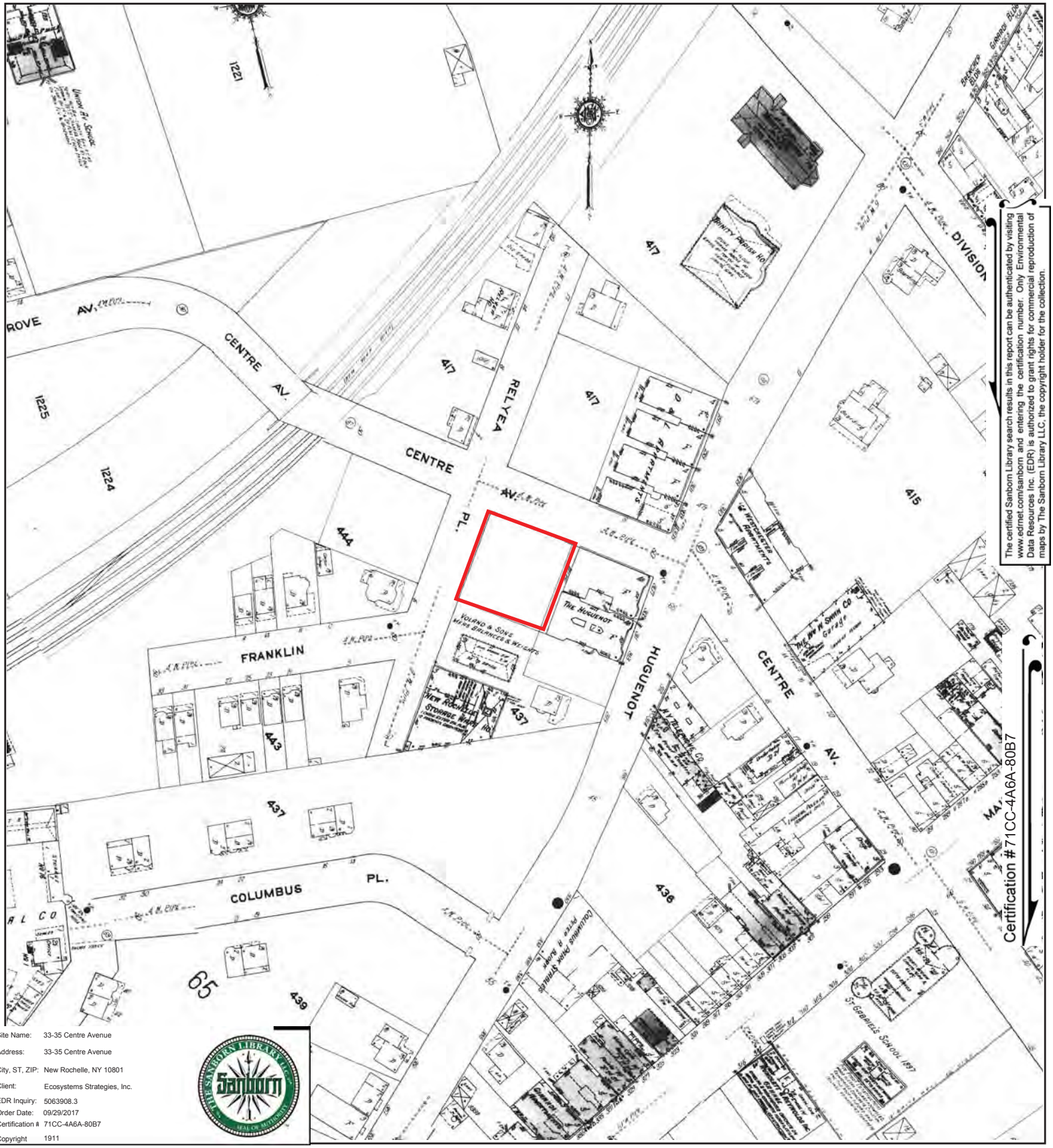
This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet 9
Volume 1, Sheet 5

N



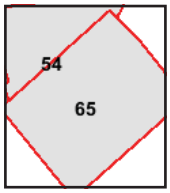
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #71CC-4A6A-80B7

Site Name:	33-35 Centre Avenue
Address:	33-35 Centre Avenue
City, ST, ZIP:	New Rochelle, NY 10801
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	5063908.3
Order Date:	09/29/2017
Certification #	71CC-4A6A-80B7
Copyright	1911

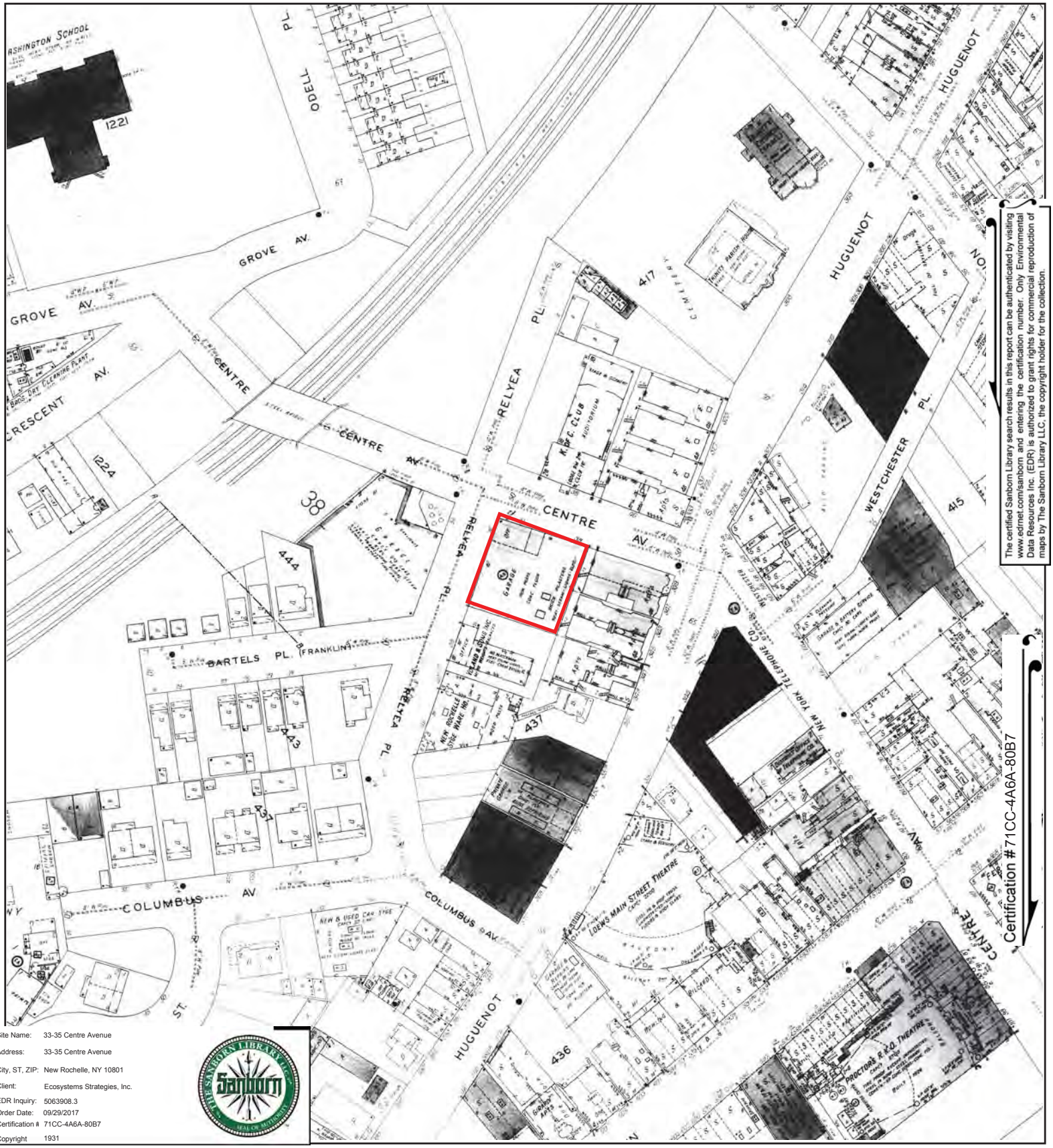
This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet 65
Volume 1, Sheet 54

N

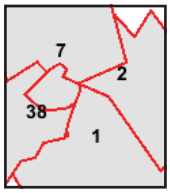


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #71CC-4A6A-80B7

Site Name:	33-35 Centre Avenue
Address:	33-35 Centre Avenue
City, ST, ZIP:	New Rochelle, NY 10801
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	5063908.3
Order Date:	09/29/2017
Certification #	71CC-4A6A-80B7
Copyright	1931

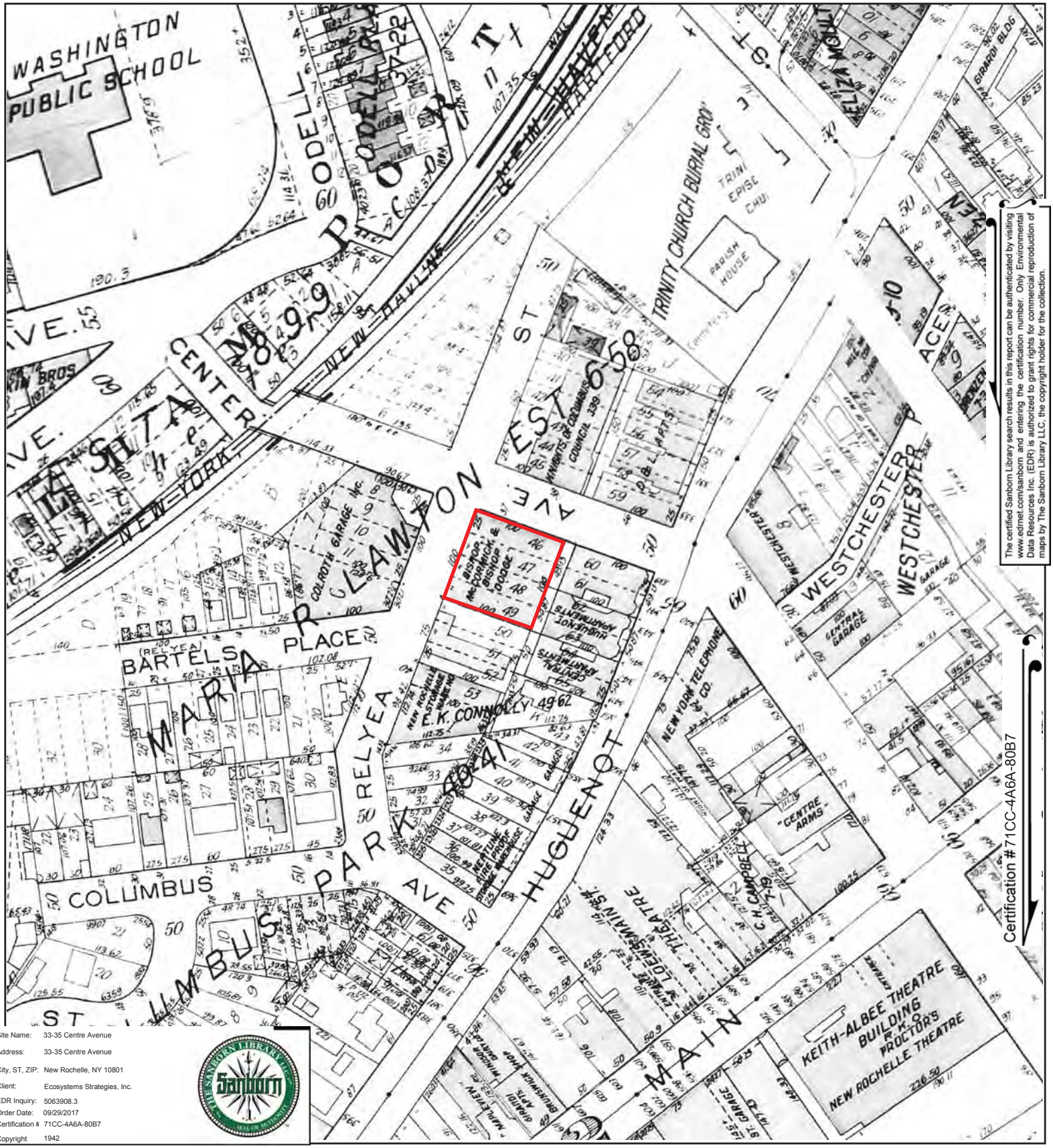
This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 38
Volume 1, Sheet 7
Volume 1, Sheet 2
Volume 1, Sheet 1

0 Feet 150 300 600

N

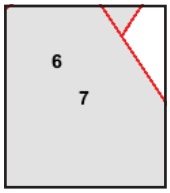


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name:	33-35 Centre Avenue
Address:	33-35 Centre Avenue
City, ST, ZIP:	New Rochelle, NY 10801
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	5063908.3
Order Date:	09/29/2017
Certification #	71CC-4A6A-80B7
Copyright	1942

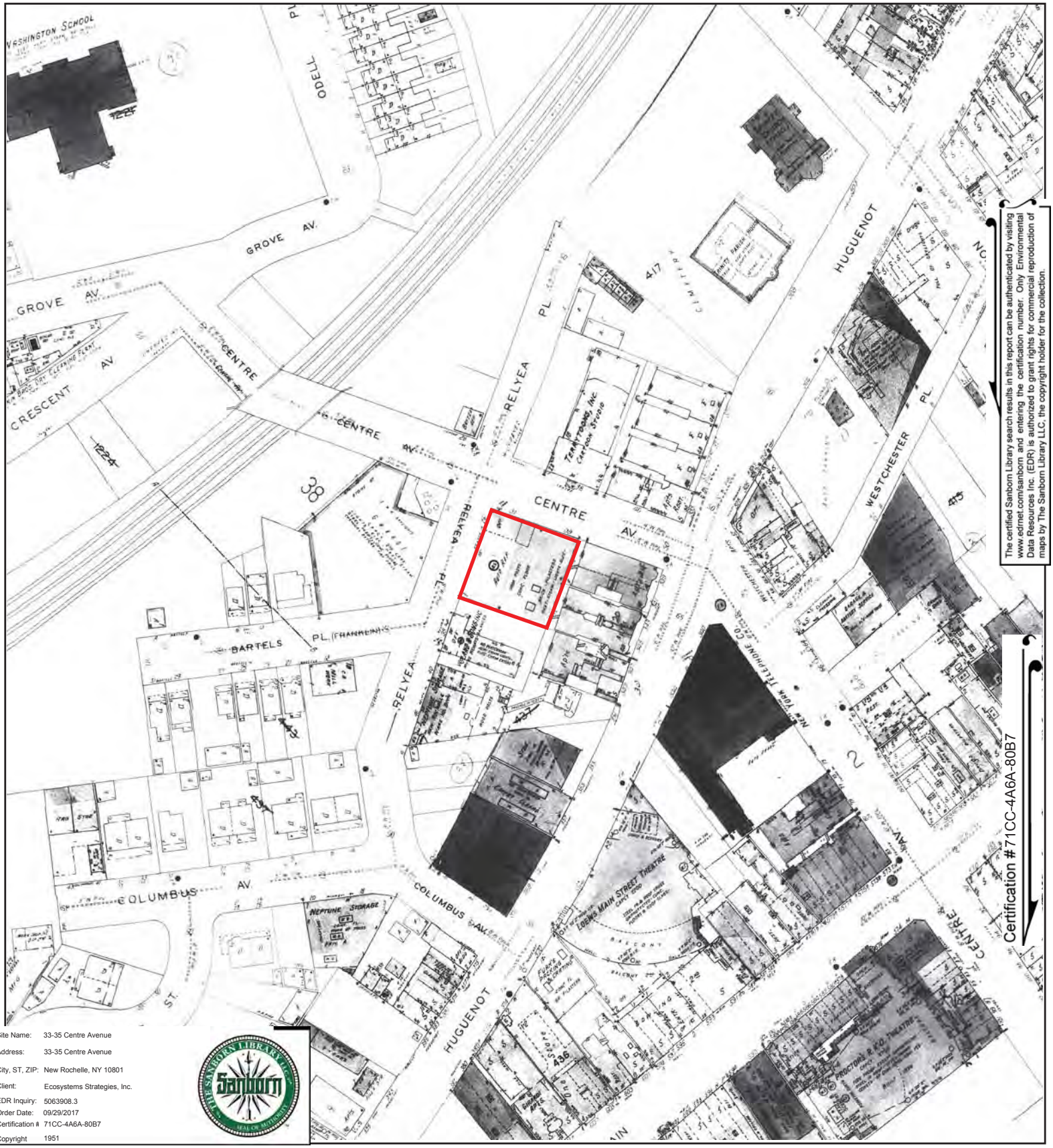
This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet 7
Volume 1, Sheet 6

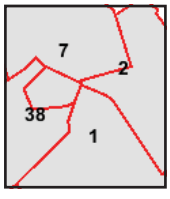
N



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name:	33-35 Centre Avenue
Address:	33-35 Centre Avenue
City, ST, ZIP:	New Rochelle, NY 10801
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	5063908.3
Order Date:	09/29/2017
Certification #	71CC-4A6A-80B7
Copyright	1951

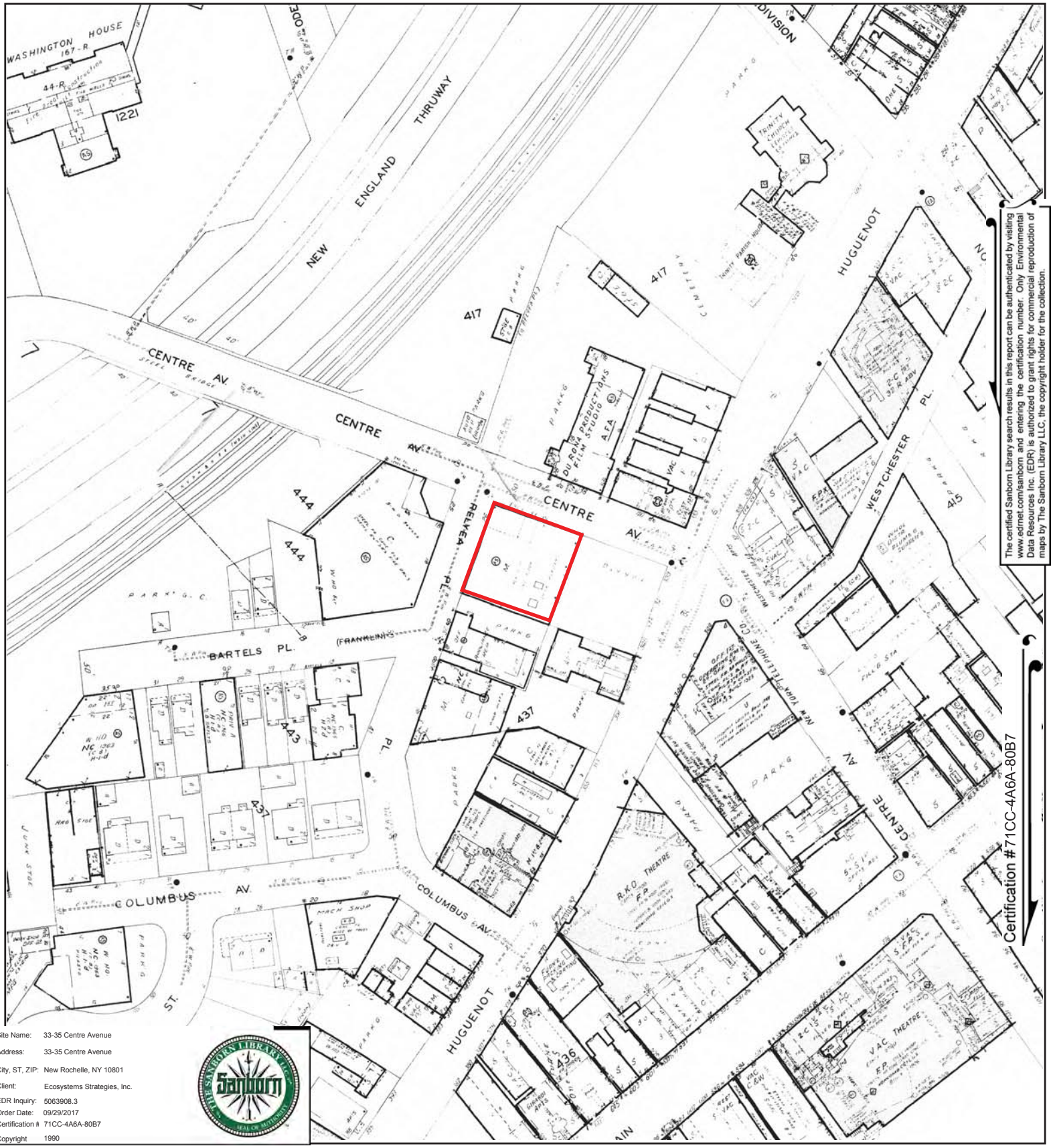
This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 38
Volume 1, Sheet 7
Volume 1, Sheet 2
Volume 1, Sheet 1

0 Feet 150 300 600

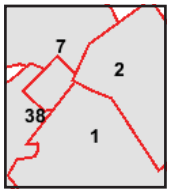
N



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name:	33-35 Centre Avenue
Address:	33-35 Centre Avenue
City, ST, ZIP:	New Rochelle, NY 10801
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	5063908.3
Order Date:	09/29/2017
Certification #:	71CC-4A6A-80B7
Copyright	1990

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 2
Volume 1, Sheet 1
Volume 1, Sheet 38
Volume 1, Sheet 7

0 Feet 150 300 600

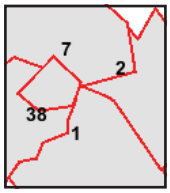
N

The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name:	33-35 Centre Avenue
Address:	33-35 Centre Avenue
City, ST, ZIP:	New Rochelle, NY 10801
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	5063908.3
Order Date:	09/29/2017
Certification #	71CC-4A6A-80B7
Copyright	1991

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet 38
Volume 1, Sheet 7
Volume 1, Sheet 2
Volume 1, Sheet 1

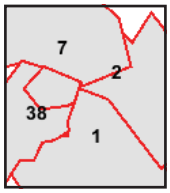
N

The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #71CC-4A6A-80B7

Site Name:	33-35 Centre Avenue
Address:	33-35 Centre Avenue
City, ST, ZIP:	New Rochelle, NY 10801
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	5063908.3
Order Date:	09/29/2017
Certification #	71CC-4A6A-80B7
Copyright	1992

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 38
Volume 1, Sheet 7
Volume 1, Sheet 2
Volume 1, Sheet 1

0 Feet 150 300 600

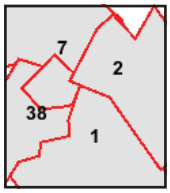
N

The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name:	33-35 Centre Avenue
Address:	33-35 Centre Avenue
City, ST, ZIP:	New Rochelle, NY 10801
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	5063908.3
Order Date:	09/29/2017
Certification #	71CC-4A6A-80B7
Copyright	1993

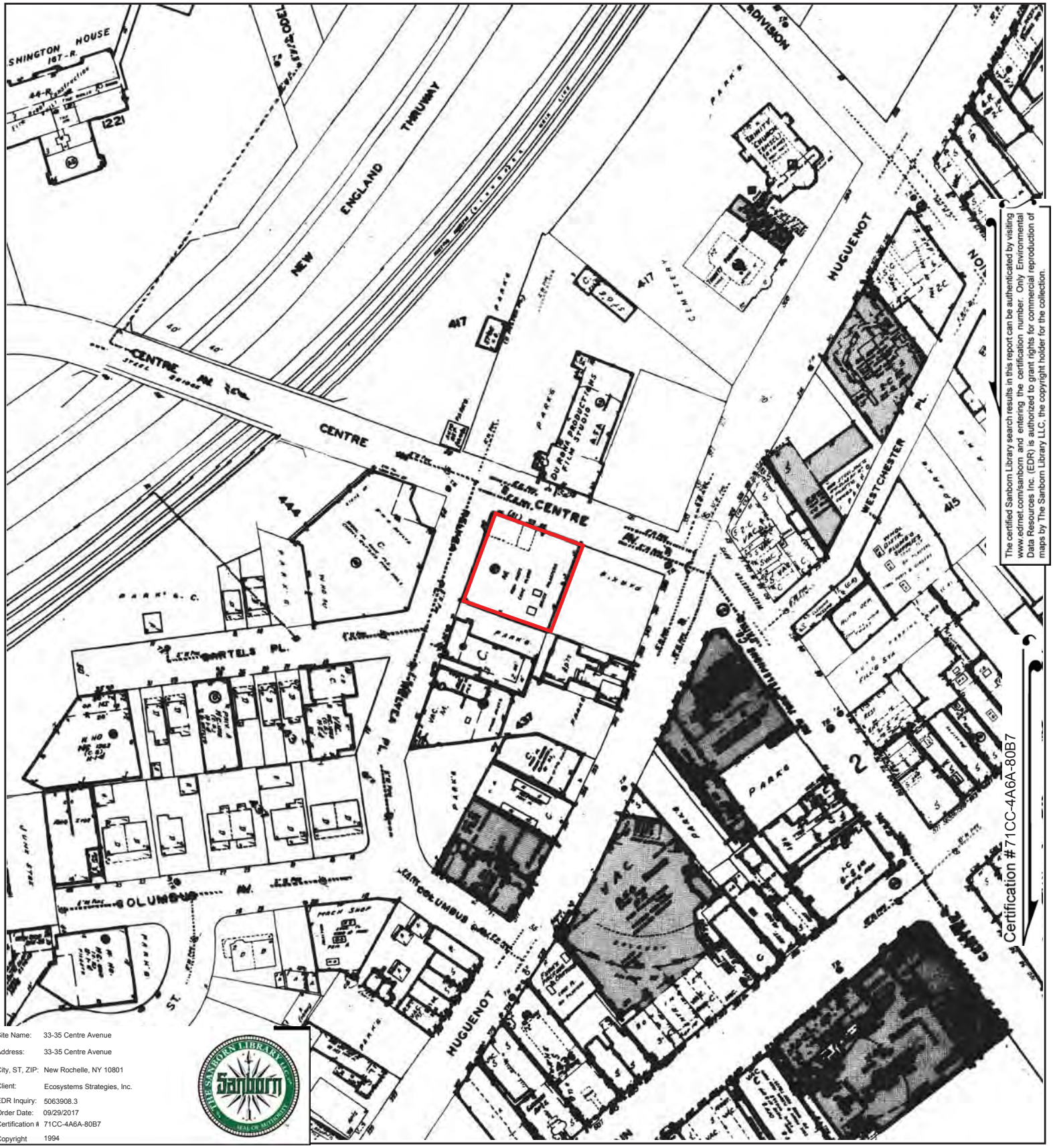
This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet 1
Volume 1, Sheet 2
Volume 1, Sheet 38
Volume 1, Sheet 7

N

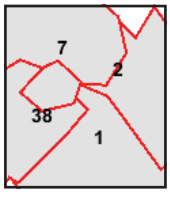


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name: 33-35 Centre Avenue
Address: 33-35 Centre Avenue
City, ST, ZIP: New Rochelle, NY 10801
Client: Ecosystems Strategies, Inc.
EDR Inquiry: 5063908.3
Order Date: 09/29/2017
Certification #: 71CC-4A6A-80B7
Copyright: 1994

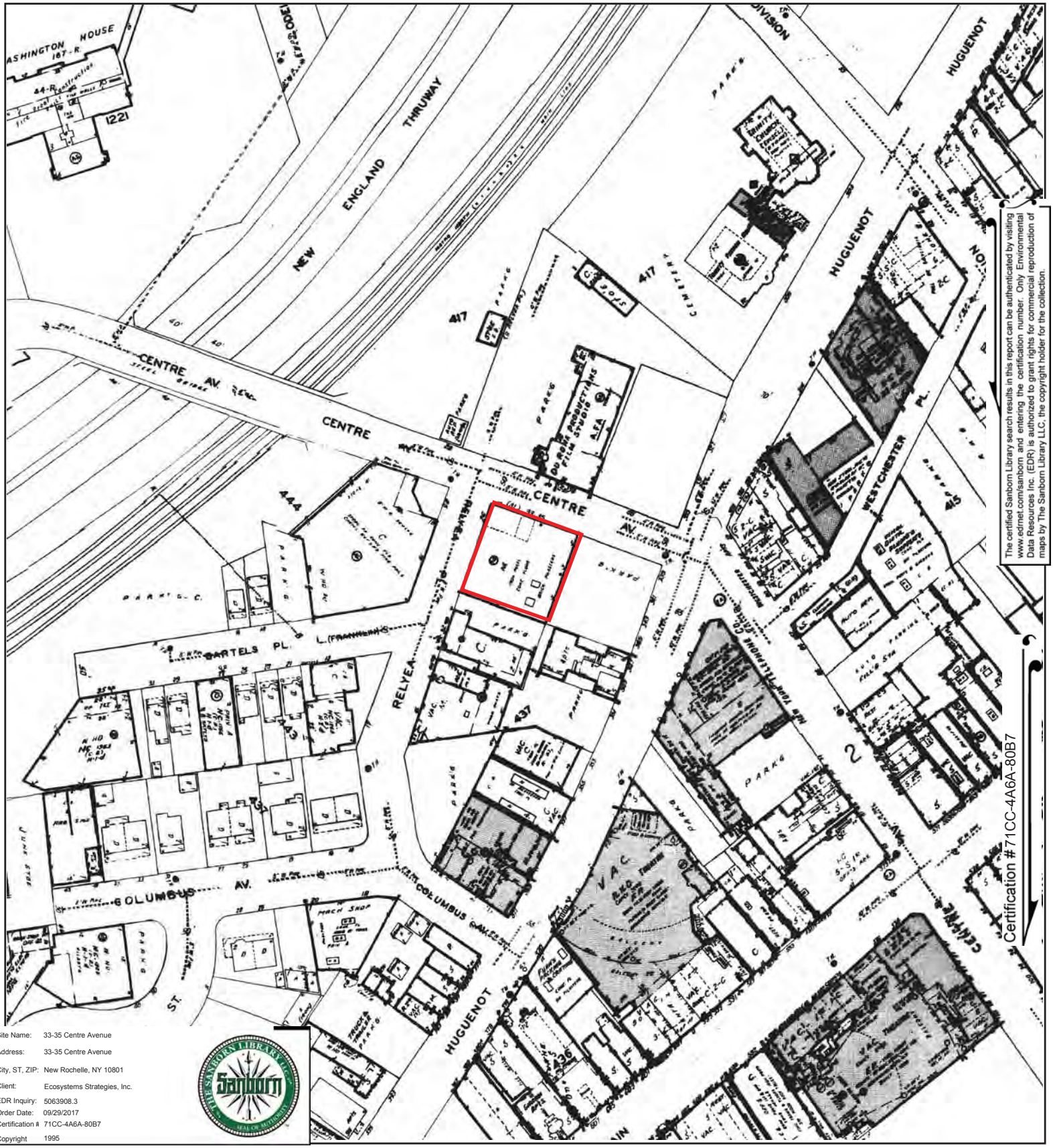
This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet 38
Volume 1, Sheet 7
Volume 1, Sheet 2
Volume 1, Sheet 1

N

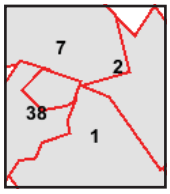


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name: 33-35 Centre Avenue
Address: 33-35 Centre Avenue
City, ST, ZIP: New Rochelle, NY 10801
Client: Ecosystems Strategies, Inc.
EDR Inquiry: 5063908.3
Order Date: 09/29/2017
Certification #: 71CC-4A6A-80B7
Copyright: 1995

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet 38
Volume 1, Sheet 7
Volume 1, Sheet 2
Volume 1, Sheet 1

N

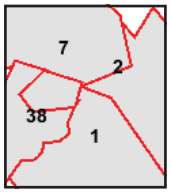
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #71CC-4A6A-80B7

Site Name:	33-35 Centre Avenue
Address:	33-35 Centre Avenue
City, ST, ZIP:	New Rochelle, NY 10801
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	5063908.3
Order Date:	09/29/2017
Certification #	71CC-4A6A-80B7
Copyright	1996

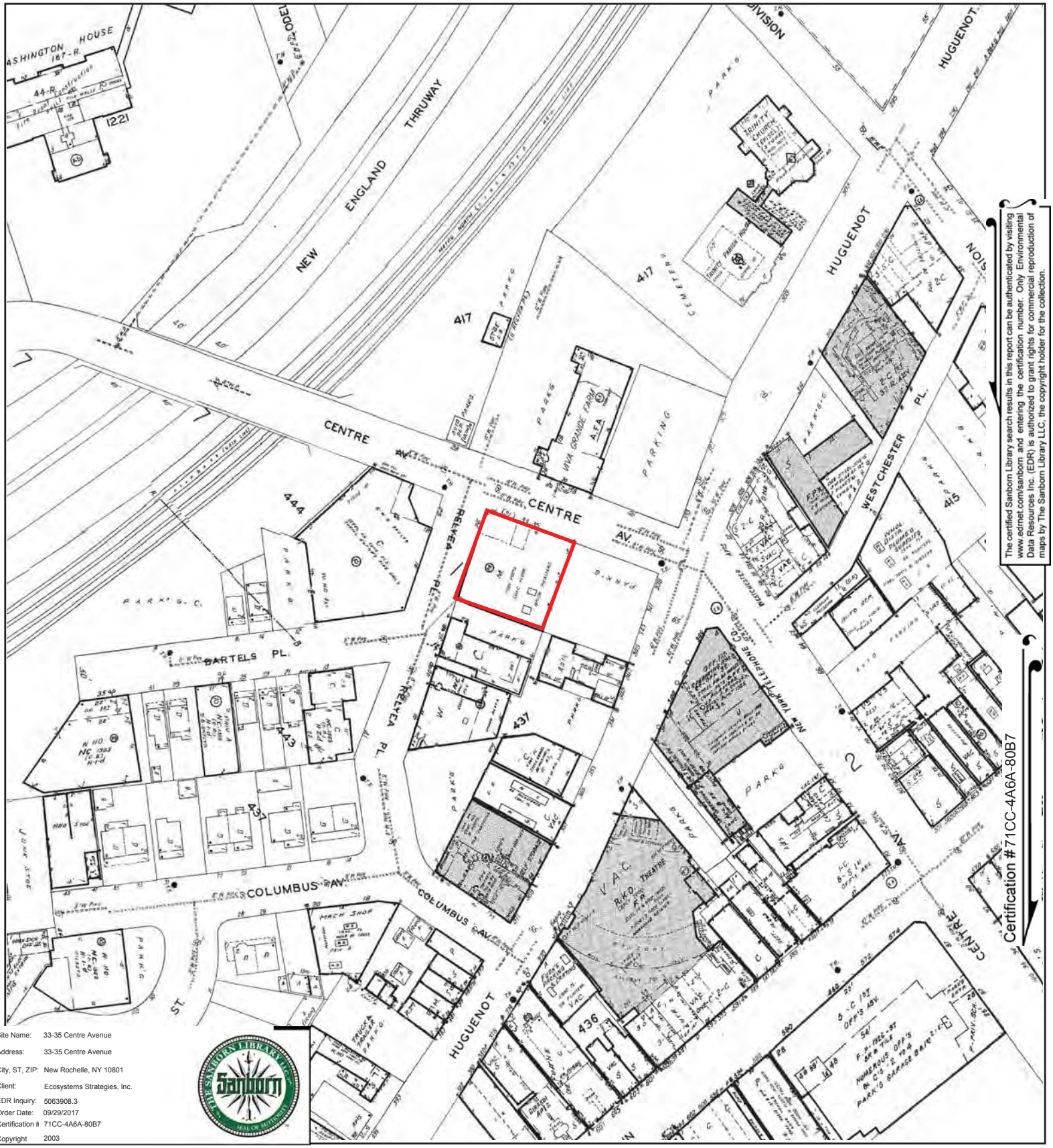
This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



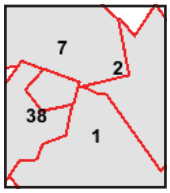
Volume 1, Sheet 38
Volume 1, Sheet 7
Volume 1, Sheet 2
Volume 1, Sheet 1

N



Site Name:	33-35 Centre Avenue
Address:	33-35 Centre Avenue
City, ST, ZIP:	New Rochelle, NY 10801
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	5063908.3
Order Date:	09/29/2017
Certification #	71CC-4A6A-80B7
Copyright	2003

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 38
Volume 1, Sheet 7
Volume 1, Sheet 2
Volume 1, Sheet 1

0 Feet 150 300 600

N

APPENDIX D

City Directories

33-35 Centre Avenue
33-35 Centre Avenue
New Rochelle, NY 10801

Inquiry Number: 5063908.5
October 02, 2017

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
2013	☑	☑	Cole Information Services
2008	☑	☑	Cole Information Services
2003	☑	☑	Cole Information Services
1999	☑	☑	Cole Information Services
1995	☑	☑	Cole Information Services
1992	☑	☑	Cole Information Services
1985	☑	☑	Cole Criss-Cross Directory
1975	☑	☑	Cole Criss-Cross Directory

RECORD SOURCES

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

FINDINGS

TARGET PROPERTY STREET

33-35 Centre Avenue
New Rochelle, NY 10801

Year	*CD Image*	*Source*

CENTRE AVE

2013	pg A2	Cole Information Services
2008	pg A5	Cole Information Services
2003	pg A8	Cole Information Services
1999	pg A11	Cole Information Services
1995	pg A14	Cole Information Services
1992	pg A16	Cole Information Services
1985	pg A19	Cole Criss-Cross Directory
1975	pg A21	Cole Criss-Cross Directory

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*
RELYEA PL		
2013	pg. A4	Cole Information Services
2008	pg. A7	Cole Information Services
2003	pg. A10	Cole Information Services
1999	pg. A13	Cole Information Services
1995	pg. A15	Cole Information Services
1992	pg. A18	Cole Information Services
1985	pg. A20	Cole Criss-Cross Directory
1975	pg. A22	Cole Criss-Cross Directory

City Directory Images

Target Street	Cross Street	Source
✓	-	Cole Information Services

CENTRE AVE 2013

33	TURNER ERIC S & CO INC
38	BAY SIDE LOCKSMITH
	BEST FOOD BUY
	CENTRE PLUMBING & HEATING COMPANY
54	CELINA PEREZ
	CLASSY BOUT
	DAVON LINDSEY
	DIANE ELLIS
	J DS COMMUNICATIONS
	JEANETTE ROYSTER
	KIMBERLY GRANT
	LINDA BALDIE
	MARCUS GREEN
	MCCOLGAN ATTORNEY AT LAW TIMOTHY
	MICHAEL ESTRADA
	MIGUEL CASTELLON
	NEW ROCHELLE BUSINESS IMPROVEMENT DI
	SOORAJ CORP
	STEVEN BRACAMONTE
	TRI STATE HOME REMODELING
56	MARYS SPECIAL THING
60	ANYTIME TO RELY ON
	HAIR SALON GALICIA
62	GREEN HEAVEN CLEANER CORPORATION
	V GROOM
64	HACKER MORRIS J & SON INC
	NEW ROCHELLE EMERGENCY LOCSKMITH
72	EUNICE TECUN
	FAST FOOD & GRILL
	PATCHEN GORHAM MOVING SERVICE
	STUART PATCHEN
	TAQUERIA EL CHINO
	THERESA RIVERA
75	LOS PRIMO BARBER SHOP
77	ANDREWS PIZZA & RESTAURANT CORP
	ELVIRA OVANDO
	FRANCISCO AGUILAR
	FRANCISCO GARCIA
	GLORIA MARTINEZ
	JOSE SANABRIA
	JOSEPH RODRIGUES
	JUAN GOMEZ
	MERCEDES CARPENITO
	MIGUEL MEDINA
	NICKYS PIZZERIA
	PHILLY CHEESESTEAK DEPOT INC
	RAUL BERGANZA
	ROSALIO PEREZ
	SALON ROOTS
	WOLFGANG SCHELLENBACH

Target Street	Cross Street	Source
✓	-	Cole Information Services

CENTRE AVE 2013 (Cont'd)

81	BALLETT ATLANTIC
	CENTRE MAIN EQUITIES LLC
	COLLEGE CAREERIS INCORPORATED
	DC A ARCHITECTS PC
	LIFETIME ARTS INC
	OMEARICANA INK
82	WESTCHESTER YOGA ARTS
88	NEW SCHOOL OF LEARNING
95	FREDO B INC
97	AMERICAS LOCKSMITH
	HALLEN SCHOOL

Target Street	Cross Street	Source
-	✓	Cole Information Services

RELYEA PL 2013

32 MUSEUM EDITIONS LTD
41 THRUWAY GLASS CO OF WESTCHESTER INC

Target Street	Cross Street	Source
✓	-	Cole Information Services

CENTRE AVE 2008

13	DUDLEY GRANT
24	SCOTT ARGENTA
27	WORKINGMANS CLOSET INC
35	ERIC S TURNER & CO INC
38	BEST FOOD BUY CORP
	DURONA PRODUCTIONS INC
	VIVA GRANDE FRUIT MARKET
54	CHARLES MILLER
	CLAUDINE DALTON
	DAVID LOPES
	DIANE ELLIS
	ERIC GREEN
	JANEL BORDEN
	JEANETTE ROYSTER
	KIMBERLY GRANT
	LINDA BALDIE
	LISHA RHETT
	MARVIN ARRIAZA
	MIGUEL CASTELLON
	VERITE SHIPPING & MULTIPLE SERVICE
	WILLIE FORD
58	FINLAYS FURNITURE REPAIR
60	GALICIA HAIR SALON
62	CENTER CLEANERS
	MICAELA JAIMES
	V GROOM
64	MORRIS J HACKER & SONS INC
68	MELISSA UNSETH
72	EUNICE TECUN
	JULIETA ZAMAORA
	PATCHENS BERNABEI INC
77	CELEBRATIONS MT VERNON CORP
	DANIEL VASCO
	ELVIRA OVANDO
	EUCLIDES JARAMILLO
	FRANCISCO GARCIA
	G SONBERG
	GARCIA AGUILAR
	JORGE PALAFOX
	JOSEPH RODRIGUES
	JUAN GOMEZ
	LUCILA ROJAS
	MERCEDES CARPENITO
	MIGUEL MEDINA
	RAUL BERGANZA
	ROSALIO PEREZ
	WOLFGANG SCHELLENBACH
81	DCA ARCHITECTURE
	SS SILBERBLATT INC
95	CENTRE AVENUE WASHERETTE

Target Street	Cross Street	Source
✓	-	Cole Information Services

CENTRE AVE 2008 (Cont'd)

97 HALLEN SCHOOL

Target Street	Cross Street	Source
-	✓	Cole Information Services

RELYEA PL 2008

32	MUSEUM EDITIONS LTD
41	AAA HYDRD
	COCOA
	THRUWAY GLASS CO OF WESTCHESTER INC

Target Street	Cross Street	Source
✓	-	Cole Information Services

CENTRE AVE 2003

15	JACOB SMITH
27	OCCUPANT UNKNOWN
35	TURNER ERIC S CO
38	OCCUPANT UNKNOWN
	VIVA RANCH FRUIT MARKET
54	BENITO ISLAS
	C HERNANDEZ
	CLAUDINE DALTON
	DANIEL CHARLES
	DAVID LOPES
	DIANE ELLIS
	DIAS ENTERPRISE
	DOMINICO ARCE
	ERIC GREEN
	HUGO RAVANALES
	JUAN DELAROCA
	JUNE BYRON
	LINDA BALDIE
	MARCELYN JOHNSON
	MARVIN ARRIAZA
	MELTING POINT STAGE & LIGHTING
	MIGUEL CASTELLON
	OSCAR PALM
	PATIENCE CARGO SHIPPING
	R ROYSTER
	ROBERTO GUTIERREZ
	SANAH RABADI
	SHIRLEY CLARK
	TAMMY BORDEN
	TAMMY PERRY
	WILLIE FORD
56	BARBARA WILLIAMS
58	D & L INTERIOR DESIGN
	OCCUPANT UNKNOWN
60	OCCUPANT UNKNOWN
62	CTR CLEANERS TAILORS INC
	SIMONETTI CLEANERS & TALRNG
	V GROOM
	WALTER MINAYA
64	HACKER MORRIS J & SON INC
	HERMINIO ALVAREZ
68	MELISSA UNSETH
72	P & G MOVING SERVICE
	PATCHENS
	PGMS INC
75	OCCUPANT UNKNOWN
77	ABEL YOGUEZ
	ANA SANCHEZ
	ELMA RODAS
	ELVIRA OVANDO

Target Street	Cross Street	Source
✓	-	Cole Information Services

CENTRE AVE 2003 (Cont'd)

77	EUCLIDES JARAMILLO
	FINLAYS FURNITURE REPAIR
	FRANCISCO GARCIA
	G SONBERG
	GARCIA AGUILAR
	GLORIA BERGANZA
	JORGE PALAFOX
	JOSEPH RODRIGUES
	MARIA VASCO
	MERCEDES CARPENITO
	MIGUEL RODRIGUEZ
	NATALI OLIVERO
	OBDULIA BARRIOS
	VICTOR GARCES
79	EL JALISCO II
81	DCA ARCHITECTS PC
	MCKEOWN PLASTERING CO
	SILBERBLATT S S INC
88	THE NEW SCHOOL OF LEARNING
97	EDWARD LEVINE
	HALLEN SCHOOL
	OCCUPANT UNKNOWN

Target Street	Cross Street	Source
-	✓	Cole Information Services

RELYEA PL 2003

32	MUSEUM EDITIONS LTD
	TALISMAN COMPUTER SERVICES
	UNIVERSAL MARKETING INC
41	AAA HYDRO
	JOHN HILL CRPNTR & GEN CNTRCTN
	SALERNO PAINTING & COATINGS CORP

Target Street	Cross Street	Source
✓	-	Cole Information Services

CENTRE AVE 1999

16	H SMITH
27	A WORKINGMANS CLOSET INCORPORATED
35	TURNER ERIC S & COMPANY INCORPORATED
38	DURONA PRODUCTIONS
	NEALS TREE EXPERTS CORPORATION
	TV BITS
	VIVA RANCH FRUIT MARKET
54	ALIMA DENTAL LABS
	DIANE ELLIS
	ERIC GREEN
	HUNTER DALTON
	J BARTEE
	J BYRON
	J CHAMPION
	J ROYSTER
	JAMES HUNTER
	JIM KOERNER
	JOHN PATTERSON
	K GRANT
	L BALDIE
	LENA HARDY
	R ROYSTER
	RHEDA LIPSCOMB
	SHIRLEY CLARK
	T SELLERS
	WILLIE FORD
56	ALEX SHOE REPAIR
58	CITY BEAT PRODUCTIONS
59	OCCUPANT UNKNOWN
60	ELISE HAIR BRAIDING
62	V GROOM
	W MINAYA
64	HACKER MORRIS J & SON INCORPORATED
	HACKER MORRIS J & SON INCORPORATED GAS STATION
67	OCCUPANT UNKNOWN
72	A & J SOUL FOOD
	P & G MOVING SVCE
	PATCHENS
74	MIKE & MELS PIZZERIA
77	ABEL YOGUEZ
	ADAN RIOS
	E JARAMILLO
	ELMA RODAS
	ELVIRA OVANDO
	FINLAYS FURNITURE REPAIR
	G SONBERG
	JORGE PALAFOX
	JOSEPH RODRIGUES
	JULIA LOZANO
	M CARPENITO

Target Street	Cross Street	Source
✓	-	Cole Information Services

CENTRE AVE 1999 (Cont'd)

77	MARIA VASCO
	PATRICK UZZILIA
	S MALFAVON
	SOFIA BENDER
79	C & C HAIR BENDERS II
	EL JALISCO II
81	D C A ARCHITECTS PC
	MCKEOWN PLASTERING COMPANY
	RENAISSANCE PROJECT INCORPORATED
	SILBERBLATT S S INCORPORATED
88	THE NEW SCHOOL OF LEARNING
97	HALLEN SCHOOL
	LEVINE EDWARD

Target Street	Cross Street	Source
-	✓	Cole Information Services

RELYEA PL 1999

32	MUSEUM EDITIONS LIMITED
	UNIVERSAL MARKETING INCORPORATED
	UNIVERSAL MARKETNG INCORPORATED
41	JOHN HILL CARPENTER & GEN CONTRACTNG
	MAXWELL NOVA FINE ARTS INCORPORATED
	NEW YORK TRADER
	PRO AUTO PARTS CORPORATION
	SALERNO A A CONTRACTOR

Target Street	Cross Street	Source
✓	-	Cole Information Services

CENTRE AVE 1995

27	A WORKINGMAN'S CLOSET INC
	WORKINGMAN'S CLOSET INC
35	TURNER ERIC S & CO INC
38	DU RONA PRODUCTIONS
	FIREHOUSE FILMS
	NEAL'S TREE EXPERTS CORP
	SATELLITE PRODCTNS
	TV BITS
54	J D'S COMMUNICATIONS
	TRI STATE HOME REMODELING
58	CITY BEAT PRODUCTIONS
62	SIMONETTI DRY CLEANERS & TAILORS INC
64	HACKER MORRIS J & SON INC, GAS STA
72	CENTRE AVE GOURMET PIZZA
	DOWNTOWN
	P & G MOVING SVCE
	PATCHEN'S, INTR DECRTRS
74	CENTRE AVENUE PIZZA
77	FINLAY'S FURNITURE
79	C & C HAIR BENDERS
	C & C HAIR BENDERS II
81	D C A ARCHITECTS PC
	RENAISSANCE PROJECT INC
	SILBERBLATT S S INC, BLDRS
88	NEW SCHOOL OF LEARNING
	THE NEW SCHOOL OF LEARNING

Target Street	Cross Street	Source
-	✓	Cole Information Services

RELYEA PL 1995

32	CHARLES FAZZINO DESIGNS
	CHARLES FAZZINO DESIGNS, FAX
	MR CHIMNEY CLEAN
	MUSEUM EDITIONS LTD
	UNIVERSAL MARKETING INC
41	JOHN HILL CARPENTER & GEN CONTRACTNG
	SALERNO A A, CONTR
	SALERNO BRIAN J, RL EST & INS
	SHAW NAUTICAL

Target Street	Cross Street	Source
✓	-	Cole Information Services

CENTRE AVE 1992

27	A WORKINGMAN'S CLOSET INC
	WORKINGMAN'S CLOSET INC
35	TURNER ERIC S & CO INC
38	DU RONA PRDOCTNS
	DURONA PRODCTNS
	FIREHOUSE FILMS
	SATELLITE PRODCTNS
54	BALDIE, L
	BARTEE, JACQUELINE
	BORDEN, JOHN
	BROWN, PATRICIA
	BYRON, J C
	DALTON, HUNTER
	ELLIS, WILLIE
	FORD, WILLIE
	HARDY, LENA
	HUNTER, JAS E
	JONES, G
	KELLY, INEZ
	PLACE OF YESTERYEARS
	PUGH, MARTHA H
	ROYSTER, R
	TRI STATE HOME REMODELING
56	ERLAND, MICHELLE
58	NORMA MCKENZIE STUDIO OF HAIR DESIGN
62	GARCIA, ISAAC
	GROOM, V
	SIMONETTI DRY CLEANERS & TAILORS INC
64	HACKER MORRIS J & SON INC, GAS STA
72	CURTO, MARIA
	DOWNTOWN
	LOZANO, JULIA
	P & G MOVING SVCE
	PATCHEN'S, INTR DECRTRS
	SURPRIS, CARL & OLGA
74	CENTRE AV PIZZA
75	WRIGHT, CAROLYNN
77	ACUMA, OSCAR
	CARPENITO, MERCEDES
	COLEMAN, JALAINE
	DENNY, PATSY
	GETER, GLOVER
	GRAM, ELIZABETH
	IMPERIAL EXPRESS SVCS INC
	JARAMILLO, EUCLIDES A
	LAUREANO, EDGAR
	LAWRENCE, GLORIA M
	MEGIA, MARLENE
	MULLEN, JAS PATK
	OVANDO, ELVIRA

Target Street	Cross Street	Source
✓	-	Cole Information Services

CENTRE AVE 1992 (Cont'd)

77	SANCHEZ, ANNA
	SONBERG, G M
	ZAMBRANO, MAURICIO
79	LORRIANE'S UNISEX HAIR SHOP
81	D C A ARCHITECTS PC
	RENAISSANCE PROJECT INC
	SILBERBLATT S S INC, BLDRS
	VINCENT & VINCENT INSURANCE
97	ARTISTIC HAIR DESIGN

Target Street	Cross Street	Source
-	✓	Cole Information Services

RELYEA PL 1992

32	CHARLES FAZZINO DESIGNS
	CHARLES FAZZINO DESIGNS, FAX
	CMB DIRECT INC
	MR CHIMNEY CLEAN
	TALISMAN COMPUTER SERVICES
41	JOHN HILL CARPENTER & GEN CONTRACTNG
	SALERNO A A, CONTR
	SALERNO BRIAN J, RL EST & INS
	SHAW NAUTICAL
	WESTCHESTER SURGICAL SUPL CO INC

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

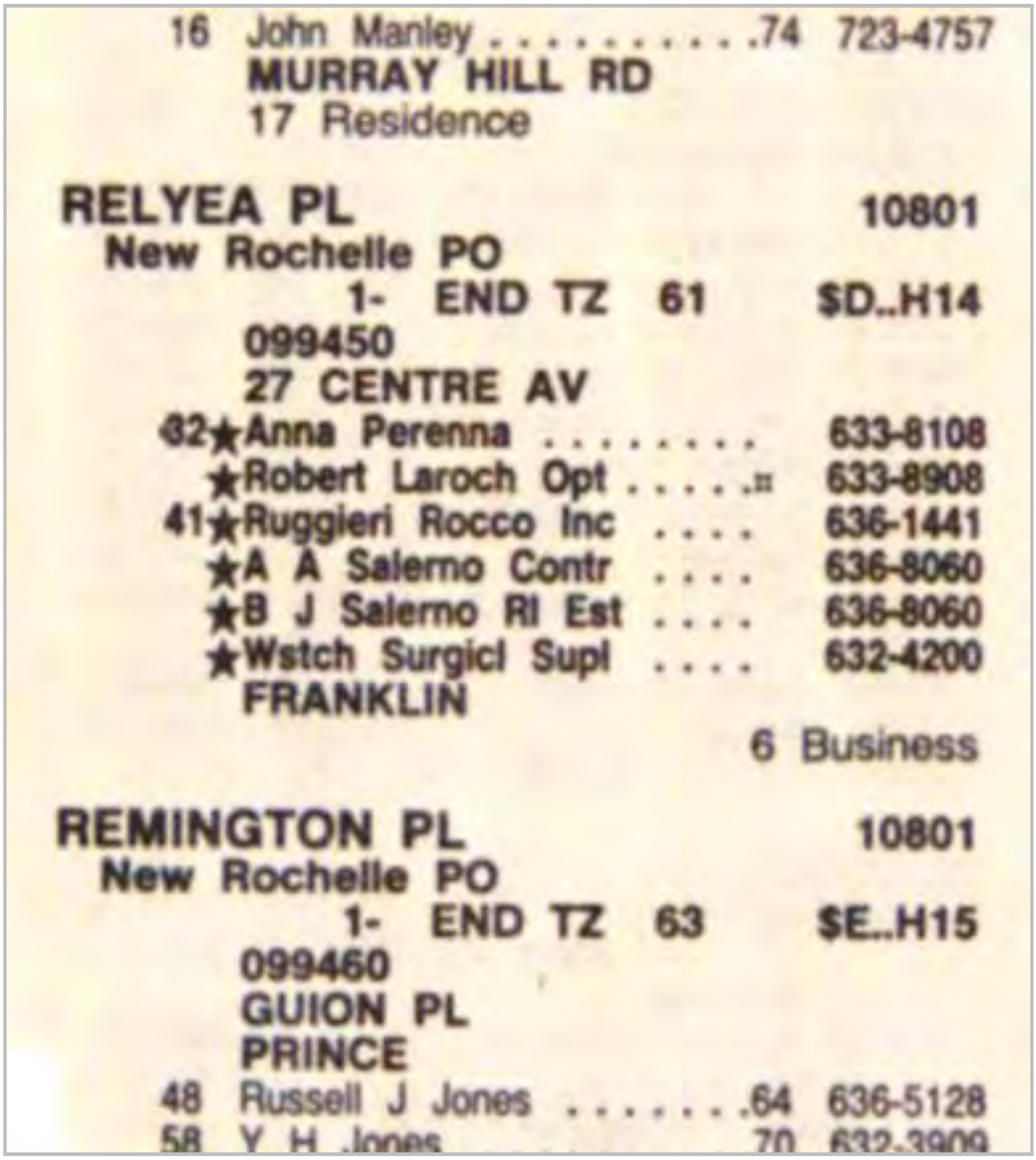
CENTRE AVE 1985

8 Residence

CENTRE AVE 10801
New Rochelle PO
1- 89 TZ 61 $D..H14
90- 179 TZ 58 $D..H14
180- 349 TZ 5702 $D..J15
020340
RELYEA PL
27★Workingmans Closet 632-2131
28★Joes Auto Body 636-3384
35★E S Turner&Co Inc 235-7114
38★AWI Enterprises 632-9499
★Ambu-Wagon Inc 235-6505
★Aqua-Rescue Inc 632-9499
★Boat Maint Sv Inc 632-9499
★Durona Productions 576-2500
46 Raymond Joseph 82 632-9039
Mrs Leroy Marshall 76 632-2753
Nathan Meadows 75 576-3860
Adibon Mourilus 576-1937
M St Charles 80 636-0349
Isnime Sylvain 576-7417
D Waters 632-3162
300 HUGUENOT
54★Centre Huguent Apt ....
L Baldie 78 235-5831
Theodore Bartee 75 632-6736
Lilliemae Borden 75 636-2963
J C Byron 632-7156
Hunter Dalton 71 235-9774
Dianne D Ellis 636-2483
Willie Ellis 78 235-1658
J Green 80 632-4486
Lena Hardy 77 636-6341
James E Hunter 632-0448
Mollie Jones 70 632-9459
Inez Kelly 76 636-3492
Louise Matthews 73 235-9790
H A Paul 235-5680
★Place of Ystr Year 235-6150
Martha H Pugh 73 576-2584
R Royster 69 632-8362
★Stepping Stone 235-3465
58★Blanchs Std Hr Dsn 235-0127
62★Gem Clnrs&Lndrs 636-5350
Virginia Groom 632-5482
A R Lawson 632-5482
15 WESTCHESTER PL
64★M J Hacker&Son Inc ... 632-2610
★M J Hacker&Sons Gs .. 632-4209
72 R Blausti 81 633-8127
★Crazy Horse Cafe 576-2228
J Lozano 79 636-6391
★P&G Moving Service ... 632-6006
★Patchens Intr DEC 632-6006
74★Centre Ave Pizza 576-2139
★Centre Ave Pizza 636-9808
75★T&M Leasing 235-5255
77★Centre Arms .....
Sylvia Almansa 576-7431
Mrs Elizabeth Gram 76 235-2016
Charles A Hofmann 633-8976
E A Jaramillo 80 633-8065
★Knit Wits Consggmt 633-9004
Mrs G M Lawrence 68 636-8411
Julia Lozano 632-2297
James P Mullen 73 636-2187
Mrs Edward OKeefe 636-3067
Elvira Ovando 235-4336
Thomas Quigley 70 636-3808
M Quinn 81 632-7223
Mrs Mary Smith 78 235-7634
Mrs G M Sonberg 68 636-8411
M Vasco 82 235-4684
78★Carl Cirasella 636-9460
79★Philips Hairdrsg 636-2233
80★Klic Photo Inc 636-6088
★M S Seidenstein 632-7708
81★Alcoholish Clinic 235-6633
★Ephraim Assocs 576-1515
★IB&G Realty 576-1515
★Lenox Const Corp 235-2100
Alvin Lukasnok 576-1515
★McKeown Plastering 636-7124
★Peduto Bros Inc 235-2100
★S S Silberblatt 235-2693
★Snelling&Snelling 235-8400
★Unitd Alcohlc Clnc 235-6633
82★Edc&Gv Emp Fed Crd .- 235-8732
★Fred Richrd Realty 576-6800
573 MAIN
99★Caromisa Deli 235-3625
101★Natural Health Foo 632-5890
102★Paul Scott Ltd 235-5596
106★Carusos Delicacy 235-5278
110★K Ehmer Qulty Mt 632-1885
LE ROY PL
..... 10805
130 R P Alscher 65 636-3844
Lt J J Cavanaugh 632-7647
Pauline A Claps 72 633-7392

Target Street	Cross Street	Source
-	✓	Cole Criss-Cross Directory

RELYEA PL 1985



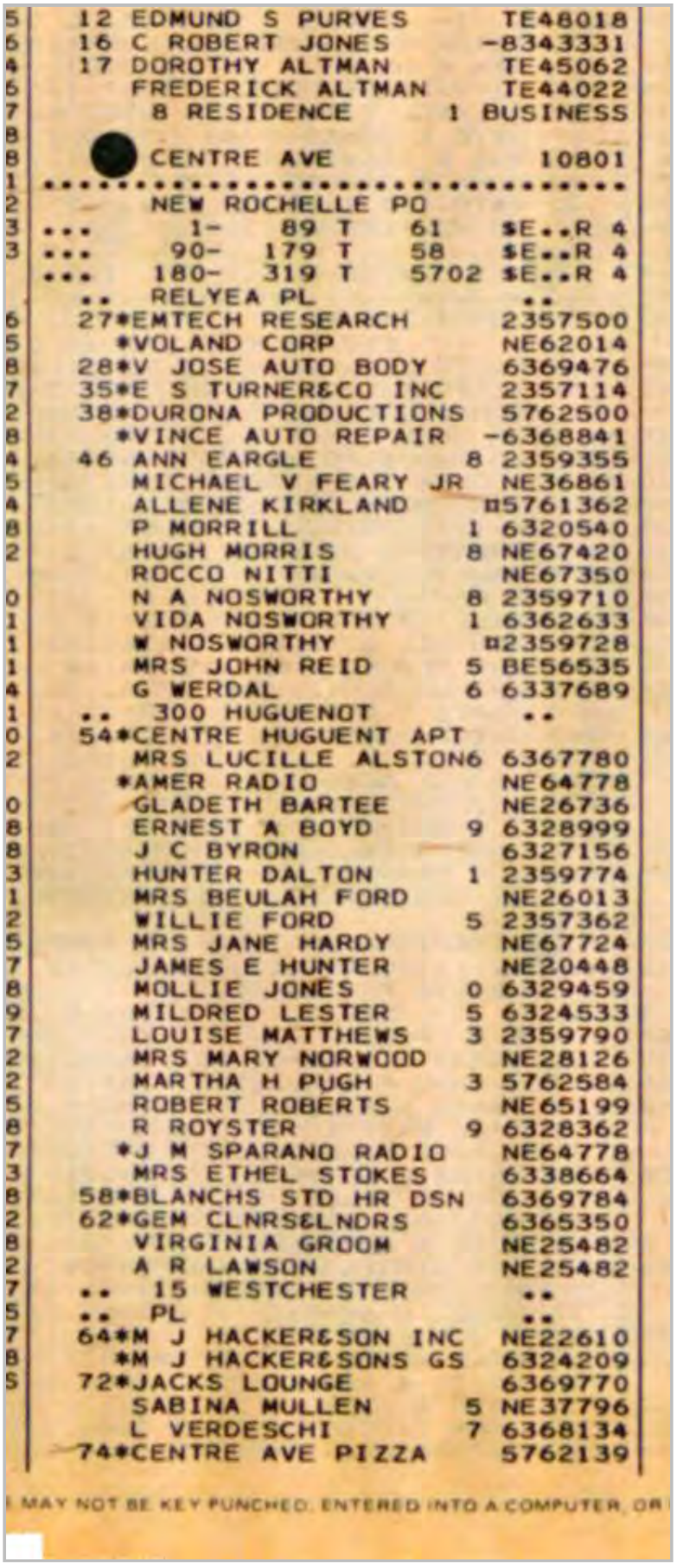
16 John Manley 74 723-4757
MURRAY HILL RD
17 Residence

RELYEA PL 10801
New Rochelle PO
1- END TZ 61 $D..H14
099450
27 CENTRE AV
32★Anna Perenna 633-8108
★Robert Laroch Opt . . . . .:: 633-8908
41★Ruggieri Rocco Inc 636-1441
★A A Salerno Contr 636-8060
★B J Salerno RI Est 636-8060
★Wstch Surgicl Supl 632-4200
FRANKLIN
6 Business

REMINGTON PL 10801
New Rochelle PO
1- END TZ 63 $E..H15
099460
GUION PL
PRINCE
48 Russell J Jones 64 636-5128
58 Y H Jones 70 632-3909

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

CENTRE AVE 1975



```
   12 EDMUND S PURVES          TE48018
   16 C ROBERT JONES          -8343331
   17 DOROTHY ALTMAN           TE45062
      FREDERICK ALTMAN         TE44022
       8 RESIDENCE         1 BUSINESS

      CENTRE AVE                10801
.....................................
      NEW ROCHELLE PO
...     1-   89 T   61    $E..R 4
...    90-  179 T   58    $E..R 4
...   180-  319 T   5702  $E..R 4
  ..  RELYEA PL              ..
  27*EMTECH RESEARCH         2357500
    *VOLAND CORP             NE62014
  28*V JOSE AUTO BODY        6369476
  35*E S TURNER&CO INC       2357114
  38*DURONA PRODUCTIONS      5762500
    *VINCE AUTO REPAIR      -6368841
  46 ANN EARGLE            8 2359355
     MICHAEL V FEARY JR      NE36861
     ALLENE KIRKLAND        ¤5761362
     P MORRILL              1 6320540
     HUGH MORRIS            8 NE67420
     ROCCO NITTI              NE67350
     N A NOSWORTHY          8 2359710
     VIDA NOSWORTHY         1 6362633
     W NOSWORTHY             ¤2359728
     MRS JOHN REID          5 BE56535
     G WERDAL               6 6337689
  ..  300 HUGUENOT            ..
  54*CENTRE HUGUENT APT
     MRS LUCILLE ALSTON6 6367780
    *AMER RADIO               NE64778
     GLADETH BARTEE           NE26736
     ERNEST A BOYD          9 6328999
     J C BYRON                6327156
     HUNTER DALTON          1 2359774
     MRS BEULAH FORD          NE26013
     WILLIE FORD            5 2357362
     MRS JANE HARDY           NE67724
     JAMES E HUNTER           NE20448
     MOLLIE JONES           0 6329459
     MILDRED LESTER         5 6324533
     LOUISE MATTHEWS        3 2359790
     MRS MARY NORWOOD         NE28126
     MARTHA H PUGH          3 5762584
     ROBERT ROBERTS           NE65199
     R ROYSTER              9 6328362
    *J M SPARANO RADIO        NE64778
     MRS ETHEL STOKES         6338664
  58*BLANCHS STD HR DSN      6369784
  62*GEM CLNRS&LNDRS         6365350
     VIRGINIA GROOM           NE25482
     A R LAWSON               NE25482
  ..  15 WESTCHESTER           ..
  ..  PL                       ..
  64*M J HACKER&SON INC      NE22610
    *M J HACKER&SONS GS      6324209
  72*JACKS LOUNGE            6369770
     SABINA MULLEN          5 NE37796
     L VERDESCHI            7 6368134
  74*CENTRE AVE PIZZA        5762139

MAY NOT BE KEY PUNCHED, ENTERED INTO A COMPUTER, OR
```

Target Street	Cross Street	Source
-	✓	Cole Criss-Cross Directory

RELYEA PL 1975

```
..  RD                              ..
    15 RESIDENCE

    RELYEA PL                      10801
..............................................
    NEW ROCHELLE PO
...     1-  END T   61     $E..R 4
..  27 CENTRE AV                    ..
32*CALL ROBERTS INC                7384303
  *CALL ROBERTS INC                WH62522
  *ROBERTS CALL INC                7384303
  *ROBERTS CALL INC                WH62522
  *ROBERTS HM APPLNCE              7384303
  *ROBERTS HM APPLNCE              WH62522
   PETER RUOCCO                    2354411
41*MAR-PLEX                        2357750
  *PRINCESS ART INC                6339132
  *ROCCO RUGGIERI INC              6361441
  *A A SALERNO CONTR               NE68060
  *B J SALERNO RL EST              NE68060
..  FRANKLIN                        ..
    1 RESIDENCE      11 BUSINESS
```

APPENDIX E

Regulatory Review Database Report

33-35 Centre Avenue
33-35 Centre Avenue
New Rochelle, NY 10801

Inquiry Number: 5063908.2s
October 03, 2017

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	284
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

33-35 CENTRE AVENUE
NEW ROCHELLE, NY 10801

COORDINATES

Latitude (North):	40.9082270 - 40° 54' 29.61''
Longitude (West):	73.7855270 - 73° 47' 7.89''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	602284.4
UTM Y (Meters):	4529067.5
Elevation:	91 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5940557 MOUNT VERNON, NY
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150522
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
33-35 CENTRE AVENUE
NEW ROCHELLE, NY 10801

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	ERIC S TURNER & CO	33 CENTRE AVE NO. 35	FINDS, ECHO		TP
A2	ERIC S TURNER & CO I	33-35 CENTRE AVE	RCRA-CESQG, NJ MANIFEST, NY MANIFEST		TP
A3	ERIC S TURNER & CO	33-35 CENTER ST	US AIRS		TP
A4	ERIC S TURNER & CO,	33 - 35 CENTRE AVE	FTTS, HIST FTTS		TP
A5	CON EDISON TRANSFORM	CENTRE AVE & RELYEA	RCRA NonGen / NLR, NY MANIFEST	Lower	41, 0.008, NNW
A6	CON EDISON TRANSFORM	CENTRE AVE & RELYEA	RCRA NonGen / NLR, NY MANIFEST	Lower	41, 0.008, NNW
A7	MR CHIMNEY CLEAN	32 RELYEA PL	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	50, 0.009, SSW
A8	APPAREL PLUS	27 CENTRE AVE	NY Spills	Lower	64, 0.012, NW
A9	HYDRO CLEANING SYSTE	41 RELYEA PLACE	NY Spills	Lower	88, 0.017, WSW
A10	PRO AUTO PARTS	41 REYLEA PL	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	88, 0.017, WSW
A11	EQUINOX PETROLEUM DI	41 RELYEA PL	EDR Hist Auto	Lower	88, 0.017, WSW
A12	PERC - APPAREL PLUS	8 BARTLES PLACE	NY Spills	Lower	116, 0.022, WSW
A13	CON EDISON	HUGENOT & CENTRE ST	NY MANIFEST	Higher	125, 0.024, East
A14	CON EDISON	CENTRE AVE & HUGUENO	NY MANIFEST	Higher	125, 0.024, East
A15	CON EDISON	HUGUENOT ST & CENTRE	RCRA NonGen / NLR	Higher	125, 0.024, East
A16	CON EDISON	CENTER & HUGUENOT	NY MANIFEST	Higher	125, 0.024, East
A17	MAISON 347 LLC	347 HUGUENOT STREET	NY AST	Higher	126, 0.024, SE
A18	FIRST METRO SERVICES	357 HUGONOT ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	150, 0.028, SSE
A19	NYNEX LOCATION	342 HUEGNOT ST	NY LTANKS	Higher	150, 0.028, ESE
A20	VERIZON	342 HUGUENOT ST	NY Spills	Higher	150, 0.028, ESE
A21	NEW YORK TELEPHONE C	342 HUGUENOT ST	RCRA NonGen / NLR, NY MANIFEST	Higher	150, 0.028, ESE
A22	587 MAIN STREET	348 HUGUENOT STREET	NY AST	Higher	159, 0.030, SE
A23	T D G MANAGEMENT INC	355 HUGUENOT STREET	EDR Hist Auto	Higher	163, 0.031, SSE
A24	NEWMANS AUTOMOTIVE R	9 CENTRE AVE	EDR Hist Auto	Lower	173, 0.033, NW
A25	INDUST OVERALL SERVI	10 BARTELS PLACE	NY LTANKS	Lower	180, 0.034, West
A26	BARRETT CARPET & CLE	357 HUGUENOT ST	EDR Hist Cleaner	Higher	181, 0.034, SSE
A27	NYSDEC-SITE 360109 I	10 BARTELS PL	RCRA-LQG, FINDS, ECHO, NY MANIFEST	Lower	181, 0.034, West
A28	INDUSTRIAL OVERALL S	10 BARTELS PLACE	NY SHWS, NY CBS	Lower	181, 0.034, West
A29	INDUSTRIAL OVERALL S	10 BARTELLS PLACE	NY UST	Lower	181, 0.034, West
A30	INDUSTRIAL OVERALL S	10 BARTELS PLACE	NY RGA HWS	Lower	181, 0.034, West
A31	NYSDEC-SITE 360109 I	10 BARTELS PL	NJ MANIFEST	Lower	181, 0.034, West
A32	CEMENT COURT YARD	54 CENTER AVE	NY Spills	Higher	185, 0.035, East
A33	APARTMENT BLDG	54 CENTRE AVE	NY LTANKS	Higher	185, 0.035, East
A34	SEASONWEIN MANAGEMEN	54 CENTRE AVENUE	NY UST	Higher	185, 0.035, East
B35	FIRESTONE TIRE & RUB	316 HUGUENOT STREET	EDR Hist Auto	Higher	229, 0.043, ENE
C36	STORAGE USA	363 HUGUENOT STREET	NY UST	Higher	236, 0.045, South
B37	SIMONETTI CLEANERS &	62 CENTRE AVE	EDR Hist Cleaner	Higher	254, 0.048, ESE
B38	GREEN HEAVEN/CENTRE	62 CENTRE AVE.	NY DRYCLEANERS	Higher	254, 0.048, ESE
B39	GREEN HEAVEN CLEANER	62 CENTRE STREET	RCRA-CESQG, US AIRS, FINDS, ECHO, NY MANIFEST	Higher	254, 0.048, ESE

MAPPED SITES SUMMARY

Target Property Address:
33-35 CENTRE AVENUE
NEW ROCHELLE, NY 10801

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
B40	HACKER MORRIS J & SO	64 CENTRE AVE	EDR Hist Auto	Higher	267, 0.051, ESE
B41	COMMERCIAL PROPERTY	64 CENTRE AVE	NY LTANKS	Higher	267, 0.051, ESE
D42	BONILLE RESIDENCE	25 BARTELS PLACE	NY Spills	Lower	284, 0.054, WSW
E43	75 CENTRE AVENUE LLC	75 CENTRE AVENUE	NY UST, NY AST	Higher	301, 0.057, ESE
D44	J B & FRANKS	27 BARTELS PL	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	301, 0.057, WSW
F45	N AMERICAN VAN LINES	NEW ENG THWAY MP5.4S	NY Spills	Lower	307, 0.058, WNW
B46	M.J. HACKER & SONS I	64 CENTRE AVE	NY UST	Higher	311, 0.059, East
D47	NEIGHBORS HOUSE	29 BARTELS PLACE	NY Spills	Lower	321, 0.061, WSW
F48	P&D TRANSPORT - HOT	I-95 NB @ MM 5.4	NY Spills	Lower	330, 0.062, NNW
F49	I-95	I-95EB MP54	NY Spills	Lower	330, 0.062, NNW
B50	JONES RESIDENCE	311 HUGUENOT STREET	NY LTANKS	Higher	332, 0.063, NE
B51	TRINITY-ST. PAUL'S E	311 HUGUENOT STREET	NY UST	Higher	332, 0.063, NE
C52	CON EDISON	HUGENOT AVE & COLUMB	NY MANIFEST	Higher	352, 0.067, South
C53	CON EDISON	HUGUENOT ST & COLUMB	NY MANIFEST	Higher	352, 0.067, South
C54	CON EDISON	HUGENOT ST & COLUMBU	NY MANIFEST	Higher	352, 0.067, South
E55	COCO RESIDENCE	81 CENTRE AVE	NY LTANKS	Higher	360, 0.068, ESE
G56	RUSH MFG CORP	18 COLUMBUS AVE.	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	368, 0.070, SSW
D57	CON EDISON	35 BARTELS PL	RCRA NonGen / NLR, NY MANIFEST	Lower	370, 0.070, WSW
D58	CON EDISON	35 BARTELS PL	NY MANIFEST	Lower	370, 0.070, WSW
B59	306 HUGUENOT STREET	306 HUGUENOT STREET	NY AST	Higher	374, 0.071, ENE
B60	CERUSSI AND VERE	306 HUGUENOT ST	NY UST	Higher	374, 0.071, ENE
E61	MISR REALTY, LLC	573-579 MAIN STREET	NY AST	Higher	412, 0.078, SE
B62	SHORELINE OIL	296 HUGENOT ST,REAR	NY LTANKS	Higher	413, 0.078, NE
C63	THE HUGUENOT	381-393 HUGUENOT STR	NY BROWNFIELDS	Lower	442, 0.084, South
C64	RUSH MANUFACTURING	381 HUGUENOT STREET	NY Spills	Lower	442, 0.084, South
E65	CENTRE-MAIN ASSOCIAT	75 - 77 CENTER AVE	NY LTANKS	Higher	456, 0.086, SE
E66	MISR REALTY, LLC	573-579 MAIN STREET	NY UST	Higher	469, 0.089, SE
H67	CON EDISON TRANSFORM	595 MAIN ST	RCRA NonGen / NLR, NY MANIFEST	Higher	484, 0.092, SSE
E68	CON EDISON	MAIN ST & CENTRE ST	NY MANIFEST	Higher	490, 0.093, SE
E69	CON EDISON	CENTRE & MAIN ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	490, 0.093, SE
E70	CON EDISON TRANSFORM	CENTRE AVE & MAIN ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	490, 0.093, SE
E71	CON EDISON	CENTRE & MAIN ST	NJ MANIFEST	Higher	490, 0.093, SE
E72	CON ED	CENTRE & MAIN ST	NY MANIFEST	Higher	490, 0.093, SE
E73	CON EDISON	565 MAIN ST	RCRA NonGen / NLR	Higher	503, 0.095, ESE
E74	CON EDISON	565 MAIN ST	NJ MANIFEST	Higher	503, 0.095, ESE
H75	NAUNA THERESA REST.	599 MAIN ST	NY Spills	Higher	504, 0.095, SSE
H76	ZUCARO SERFINE	599 MAIN STREET	EDR Hist Cleaner	Higher	504, 0.095, SSE
G77	ALL AMERICAN SPORTS	44 COLUMBUS AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	512, 0.097, SW
I78	NEW ROCHELLE IRISH B	38 DIVISION STREET	NY UST	Higher	516, 0.098, ENE

MAPPED SITES SUMMARY

Target Property Address:
33-35 CENTRE AVENUE
NEW ROCHELLE, NY 10801

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
I79	HAYES KATHRYN INC	36-38 DIVISION ST	EDR Hist Cleaner	Higher	518, 0.098, ENE
I80	LILLIAN VERNON CO.	WESTCHESTER PLACE	NY LTANKS	Higher	527, 0.100, NE
I81	ROAD	HUGUENOT ST/DIVISION	NY Spills	Higher	529, 0.100, NE
I82	VACANT LOT	HUGUENOT ST/DIVISION	NY LTANKS	Higher	529, 0.100, NE
E83	QUEEN CITY SUPER BUF	566 MAIN ST	NY Spills	Higher	529, 0.100, ESE
I84	RESIDENCE	129 DIVISON ST	NY Spills	Higher	538, 0.102, NE
I85	CON EDISON - TRANSFO	DIVISION ST AND HUGE	RCRA-LQG	Higher	540, 0.102, NE
I86	CON EDISON	HUGENOT ST & DIVISIO	NY MANIFEST	Higher	540, 0.102, NE
I87	CON ED	DIVISION ST & HUGENO	NY MANIFEST	Higher	540, 0.102, NE
I88	CON EDISON	DIVISION & HUGUENOT	NY MANIFEST	Higher	540, 0.102, NE
I89	CON EDISON MANHOLE:	HUGENOT AVE & DIVISI	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	540, 0.102, NE
I90	CON EDISON	HUGENOT & DIVISION S	NY MANIFEST	Higher	540, 0.102, NE
I91	CON EDISON TRANSFORM	DIVISION ST & HUGUEN	RCRA NonGen / NLR	Higher	540, 0.102, NE
J92	I-95 NB	BETWEEN EXIT 15 & 16	NY Spills	Lower	545, 0.103, West
H93	ON MAIN ST	BETWEEN MAPLE/CENTER	NY Spills	Higher	549, 0.104, SSE
E94	CO2 CLEANERS INC	562 MAIN ST	EDR Hist Cleaner	Higher	550, 0.104, ESE
E95	HANGERS CLEANERS	562-564 MAIN STREET	NY DRYCLEANERS	Higher	550, 0.104, ESE
H96	CON EDISON TRANSFORM	592 MAIN ST	RCRA NonGen / NLR, NY MANIFEST	Higher	558, 0.106, SSE
I97	CABLE	29 DIVISION STREET	NY Spills	Higher	572, 0.108, ENE
K98	CURBSIDE	CENTER AVE/MAIN STRE	NY Spills	Higher	573, 0.109, SE
H99	RAMOS UPHOLSTERY & M	611 MAIN ST	EDR Hist Cleaner	Lower	574, 0.109, South
H100	CON ED 213384	MAPLE AVE AND MAIN S	NY Spills	Lower	589, 0.112, South
H101	CON EDISON	MAPLE AVE & MAIN ST	RCRA NonGen / NLR, NJ MANIFEST	Lower	589, 0.112, South
H102	CON EDISON MANHOLE:	MAIN ST & MAPLE ST	RCRA NonGen / NLR, NY MANIFEST	Lower	589, 0.112, South
H103	HIGHWAY	MAIN ST.& MAPLE AVE.	NY Spills	Lower	589, 0.112, South
H104	CON EDISON	MAIN ST & MAPLE AVE	NY MANIFEST	Lower	589, 0.112, South
K105	BLOOMINGDALE PARKING	554 MAIN ST	NY UST	Higher	595, 0.113, ESE
I106	NYSDOT BIN 1049890	DIVISION ST OVER MET	RCRA NonGen / NLR	Higher	603, 0.114, NE
K107	CON EDISON	552 MAIN ST	NJ MANIFEST	Higher	607, 0.115, ESE
K108	CON EDISON	552 MAIN ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	607, 0.115, ESE
I109	CON EDISON	19 DIVISION ST & WAS	NY Spills, NY MANIFEST	Higher	614, 0.116, ENE
K110	MAGIC CARPET CLEANIN	550 MAIN ST	EDR Hist Cleaner	Higher	618, 0.117, ESE
L111	CALCULATOR & COMPUTE	548 MAIN ST	EDR Hist Auto	Higher	630, 0.119, ESE
112	COMM/RESIDENT. PROPE	15 DIVISION STREET	NY LTANKS	Higher	637, 0.121, East
M113	CAR DEALERSHIP	399 HUGUENOT ST	NY Spills	Lower	638, 0.121, SSW
M114	PAL BUICK ISUZU*	399 HUGUENOT STREET	EDR Hist Auto	Lower	638, 0.121, SSW
M115	VACANT	399 HUGUENOT STREET	NY UST, NY AST	Lower	638, 0.121, SSW
L116	543 MAIN STREET	543 MAIN STREET	NY UST	Higher	639, 0.121, East
L117	LILLIAN VERNON CORPO	543-549 MAIN STREET	NY UST	Higher	639, 0.121, East

MAPPED SITES SUMMARY

Target Property Address:
33-35 CENTRE AVENUE
NEW ROCHELLE, NY 10801

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
L118	LILLIAN VERNON CORP.	543 MAIN STREET	NY LTANKS, NY Spills	Higher	639, 0.121, East
H119	PRECIOUS RUGS LIQUID	616 MAIN ST	EDR Hist Cleaner	Lower	644, 0.122, South
J120	THE BREAD FACTORY	30 GROVE AVE	NY Spills	Lower	660, 0.125, WNW
L121	CON EDISON - TRANSFO	DIVISION ST & MAIN S	RCRA-LQG	Higher	733, 0.139, East
M122	PAL BUICK INC	399 HOGUENOT ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	770, 0.146, SSW
K123	CON EDISON SERVICE B	LEROY PL & CENTER AV	RCRA NonGen / NLR, NY MANIFEST	Higher	774, 0.147, SE
K124	CON EDISON SERVICE B	CENTRE AVE & LEROY	RCRA NonGen / NLR, FINDS	Higher	774, 0.147, SE
M125	EXXON DIV OF CFI #70	635 MAIN ST	RCRA-CESQG, NY MANIFEST	Lower	775, 0.147, South
M126	FERRIS-CAPUTO ENTERP	635 MAIN STREET	EDR Hist Auto	Lower	775, 0.147, South
N127	NYSDOT BIN 1091390	DIVISION ST OVER I 9	RCRA NonGen / NLR	Lower	788, 0.149, North
O128	RUSH MFG CORP	10-12 PINE CT	CORRACTS, RCRA-CESQG, NY Spills, FINDS, ECHO, RI...	Lower	841, 0.159, SW
N129	SOUND CLEANER	63 MEMORIAL HWY	NY DRYCLEANERS	Lower	899, 0.170, NNE
N130	SOUND CLEANERS	63 MEMORIAL HWY	EDR Hist Cleaner	Lower	899, 0.170, NNE
P131	CHAN HOI KUEN	5 LE ROY PL	EDR Hist Cleaner	Higher	926, 0.175, ESE
P132	ROTH BROTHERS CLEANE	1 LEROY PL	EDR Hist Cleaner	Higher	935, 0.177, ESE
P133	ROTH CLEANERS	1 LEROY PL	RCRA NonGen / NLR, FINDS, ECHO, NY DRYCLEANERS, NY...	Higher	935, 0.177, ESE
Q134	CON EDISON TRANSFORM	CHURCH ST & MAIN ST	RCRA NonGen / NLR, NY MANIFEST	Higher	939, 0.178, East
Q135	CON EDISON TRANSFORM	MAIN ST & CHRUCH ST	RCRA NonGen / NLR, NY MANIFEST	Higher	939, 0.178, East
Q136	CON EDISON MANHOLE:	MAIN ST & CHURCH ST	RCRA NonGen / NLR, NY MANIFEST	Higher	939, 0.178, East
Q137	ON THE SPOT CARPET C	3 CHURCH ST STE 699	EDR Hist Cleaner	Higher	941, 0.178, East
R138	CON EDISON VAULT SUB	650 MAIN ST	RCRA NonGen / NLR, NY MANIFEST	Lower	974, 0.184, SSW
R139	880 TOWING AND TRUCK	650 MAIN STREET	EDR Hist Auto	Lower	974, 0.184, SSW
O140	BAKERS PRIDE OVEN CO	30 PINE ST.	RCRA-LQG, NY SHWS, NY Spills, FINDS, ECHO, NY...	Lower	998, 0.189, SW
141	ACCESSOCRAFT PRODUCT	48 LAWTON ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	1040, 0.197, NE
S142	NEBRASKY CLEANERS	96 UNION AVE	EDR Hist Cleaner	Higher	1068, 0.202, NW
T143	CATARINO MANUEL	11 CHARLES ST	EDR Hist Auto	Higher	1074, 0.203, West
S144	NEBRASKY CLEANERS CO	95 UNION AVE	EDR Hist Cleaner	Higher	1102, 0.209, NW
S145	PREFERRED CLEANERS	95 UNION AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	1102, 0.209, NW
Q146	ADREAN PRINTING CO	490 MAIN ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	1137, 0.215, ENE
T147	AUTOS BY PAIGE	20 CHARLES ST	EDR Hist Auto	Higher	1165, 0.221, West
148	NEW ROCHELLE CENTER	MAIN & HUGENOT & LEC	RCRA NonGen / NLR, NY MANIFEST	Lower	1206, 0.228, SSW
U149	CON EDISON	55 WEBSTER AVE & PIN	RCRA NonGen / NLR	Lower	1209, 0.229, WSW
U150	EAST COAST SALES	55 WEBSTER AVE	RCRA NonGen / NLR, FINDS, ECHO	Lower	1209, 0.229, WSW
T151	G C AUTO RESTORATION	80 GROVE AVE	EDR Hist Auto	Higher	1230, 0.233, West
152	SHULMAN S B & CO	484 MAIN ST	EDR Hist Cleaner	Higher	1234, 0.234, ENE
T153	AMERICAN TOWING & AU	85 CRESCENT AVE	EDR Hist Auto	Higher	1239, 0.235, West
T154	VOGUE PRESS 2	85 CRESENT AVE	RCRA NonGen / NLR	Higher	1239, 0.235, West
155	STATION CLEANERS	24 STATION PLZ	EDR Hist Cleaner	Lower	1241, 0.235, NNE
S156	VINCES AUTO REPAIR	75 WALNUT ST	EDR Hist Auto	Higher	1256, 0.238, NW

MAPPED SITES SUMMARY

Target Property Address:
33-35 CENTRE AVENUE
NEW ROCHELLE, NY 10801

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
157	CON EDISON TRANSFORM	WEBSTER AVE & PINE S	RCRA NonGen / NLR, NY MANIFEST	Lower	1256, 0.238, SW
158	CON EDISON	19 DIVISION ST & WAS	RCRA NonGen / NLR, FINDS, ECHO	Higher	1263, 0.239, North
U159	AMERICAN WHITE CROSS	52 WEBSTER AVE	RCRA NonGen / NLR, FINDS, ECHO	Lower	1279, 0.242, SW
V160	FLAMINGO CLEANERS	149 NORTH AVE	RCRA-LQG, NY BROWNFIELDS, NY MANIFEST	Lower	1598, 0.303, East
V161	OFF-SITE FLAMINGO CL	149 NORTH AVENUE	NY BROWNFIELDS	Lower	1598, 0.303, East
W162	NEW ROCHELLE LEAF TS	85 BEECHWOOD AVE	NY SWF/LF	Lower	1948, 0.369, WSW
W163	NEW ROCHELLE LEAF T.	85 BEECHWOOD AVE	NY RGA LF	Lower	1948, 0.369, WSW
X164	QUEEN CITY RECYCLING	19 CLIFF STREET	NY SWF/LF, NY Financial Assurance	Lower	1968, 0.373, SW
X165	QUEEN CITY RECYCLING	19 CLIFF STREET	NY RGA LF	Lower	2101, 0.398, SW
166	SCHMUCKLER'S DRY CLE	358-364 NORTH AVENUE	NY BROWNFIELDS	Lower	2163, 0.410, North
167	CON EDISON-CEDAR ST	ONE RAMADA PLAZA	EDR MGP	Lower	2988, 0.566, NE
168	CONSOLIDATED EDISON	ECHO AVENUE	NY SHWS	Lower	3180, 0.602, ENE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
ERIC S TURNER & CO 33 CENTRE AVE NO. 35 NEW ROCHELLE, NY 10801	FINDS Registry ID:: 110001985585 ECHO	N/A
ERIC S TURNER & CO I 33-35 CENTRE AVE NEW ROCHELLE, NY 10801	RCRA-CESQG EPA ID:: NYD002015402 NJ MANIFEST EPA Id: NYD002015402 NY MANIFEST EPA ID: NYD002015402	NYD002015402
ERIC S TURNER & CO 33-35 CENTER ST NEW ROCHELLE, NY 10801	US AIRS Database: US AIRS MINOR, Date of Government Version: 10/12/2016 EPA plant ID:: 110001985585	N/A
ERIC S TURNER & CO, 33 - 35 CENTRE AVE NEW ROCHELLE, NY 10801	FTTS Database: FTTS INSP, Date of Government Version: 04/09/2009 HIST FTTS Database: HIST FTTS INSP, Date of Government Version: 10/19/2006	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

EXECUTIVE SUMMARY

Federal CERCLIS list

FEDERAL FACILITY---------- Federal Facility Site Information listing
SEMS---------- Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE---------- Superfund Enterprise Management System Archive

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-SQG---------- RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS---------- Land Use Control Information System
US ENG CONTROLS---------- Engineering Controls Sites List
US INST CONTROL---------- Sites with Institutional Controls

Federal ERNS list

ERNS---------- Emergency Response Notification System

State- and tribal - equivalent CERCLIS

NY VAPOR REOPENED---------- Vapor Intrusion Legacy Site List

State and tribal leaking storage tank lists

INDIAN LUST---------- Leaking Underground Storage Tanks on Indian Land
NY HIST LTANKS---------- Listing of Leaking Storage Tanks

State and tribal registered storage tank lists

FEMA UST---------- Underground Storage Tank Listing
NY CBS UST---------- Chemical Bulk Storage Database
NY MOSF UST---------- Major Oil Storage Facilities Database
NY MOSF---------- Major Oil Storage Facility Site Listing
NY CBS AST---------- Chemical Bulk Storage Database
NY MOSF AST---------- Major Oil Storage Facilities Database
INDIAN UST---------- Underground Storage Tanks on Indian Land
NY TANKS---------- Storage Tank Faciliy Listing

State and tribal institutional control / engineering control registries

NY RES DECL---------- Restrictive Declarations Listing
NY ENG CONTROLS---------- Registry of Engineering Controls
NY INST CONTROL---------- Registry of Institutional Controls

State and tribal voluntary cleanup sites

NY VCP---------- Voluntary Cleanup Agreements

INDIAN VCP ---- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY ERP ---- Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

NY SWTIRE ---- Registered Waste Tire Storage & Facility List
NY SWRCY ---- Registered Recycling Facility List
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
ODI ---- Open Dump Inventory
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
NY DEL SHWS ---- Delisted Registry Sites
US CDL ---- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

NY HIST UST ---- Historical Petroleum Bulk Storage Database
NY HIST AST ---- Historical Petroleum Bulk Storage Database

Local Land Records

NY LIENS ---- Spill Liens Information
LIENS 2 ---- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
NY Hist Spills ---- SPILLS Database
NY SPILLS 90 ---- SPILLS 90 data from FirstSearch
NY SPILLS 80 ---- SPILLS 80 data from FirstSearch

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System

SSTS Section 7 Tracking Systems
ROD Records Of Decision
RMP Risk Management Plans
RAATS RCRA Administrative Action Tracking System
PRP Potentially Responsible Parties
PADS PCB Activity Database System
ICIS Integrated Compliance Information System
MLTS Material Licensing Tracking System
COAL ASH DOE Steam-Electric Plant Operation Data
COAL ASH EPA Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER PCB Transformer Registration Database
RADINFO Radiation Information Database
DOT OPS Incident and Accident Data
CONSENT Superfund (CERCLA) Consent Decrees
INDIAN RESERV Indian Reservations
FUSRAP Formerly Utilized Sites Remedial Action Program
UMTRA Uranium Mill Tailings Sites
LEAD SMELTERS Lead Smelter Sites
US MINES Mines Master Index File
ABANDONED MINES Abandoned Mines
UXO Unexploded Ordnance Sites
DOCKET HWC Hazardous Waste Compliance Docket Listing
FUELS PROGRAM EPA Fuels Program Registered Listing
NY AIRS Air Emissions Data
NY COAL ASH Coal Ash Disposal Site Listing
NY E DESIGNATION E DESIGNATION SITE LISTING
NY HSWDS Hazardous Substance Waste Disposal Site Inventory
NY SPDES State Pollutant Discharge Elimination System
NY UIC Underground Injection Control Wells

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/12/2016 has revealed that there is 1

CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RUSH MFG CORP	***10-12 PINE CT***	***SW 1/8 - 1/4 (0.159 mi.)***	***O128***	***195***

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/12/2016 has revealed that there are 4 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - TRANSFO	DIVISION ST AND HUGE	NE 0 - 1/8 (0.102 mi.)	I85	133
CON EDISON - TRANSFO	DIVISION ST & MAIN S	E 1/8 - 1/4 (0.139 mi.)	L121	181

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYSDEC-SITE 360109 I	***10 BARTELS PL***	***W 0 - 1/8 (0.034 mi.)***	***A27***	***44***
BAKERS PRIDE OVEN CO	***30 PINE ST.***	***SW 1/8 - 1/4 (0.189 mi.)***	***O140***	***226***

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 12/12/2016 has revealed that there are 3 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GREEN HEAVEN CLEANER	***62 CENTRE STREET***	***ESE 0 - 1/8 (0.048 mi.)***	***B39***	***64***

Lower Elevation	Address	Direction / Distance	Map ID	Page
EXXON DIV OF CFI #70	***635 MAIN ST***	***S 1/8 - 1/4 (0.147 mi.)***	***M125***	***189***
RUSH MFG CORP	***10-12 PINE CT***	***SW 1/8 - 1/4 (0.159 mi.)***	***O128***	***195***

State- and tribal - equivalent CERCLIS

NY SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state

funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the NY SHWS list, as provided by EDR, and dated 05/16/2017 has revealed that there are 3 NY SHWS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
INDUSTRIAL OVERALL S	***10 BARTELS PLACE***	***W 0 - 1/8 (0.034 mi.)***	***A28***	***49***
Site Code: 413917				
Class Code: Significant threat to the public health or environment - action required.				
BAKERS PRIDE OVEN CO	***30 PINE ST.***	***SW 1/8 - 1/4 (0.189 mi.)***	***O140***	***226***
CONSOLIDATED EDISON	ECHO AVENUE	ENE 1/2 - 1 (0.602 mi.)	168	282
Site Code: 56077				

State and tribal landfill and/or solid waste disposal site lists

NY SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the list.

A review of the NY SWF/LF list, as provided by EDR, and dated 06/30/2017 has revealed that there are 2 NY SWF/LF sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NEW ROCHELLE LEAF TS	85 BEECHWOOD AVE	WSW 1/4 - 1/2 (0.369 mi.)	W162	273
QUEEN CITY RECYCLING	***19 CLIFF STREET***	***SW 1/4 - 1/2 (0.373 mi.)***	***X164***	***274***

State and tribal leaking storage tank lists

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 05/16/2017 has revealed that there are 12 NY LTANKS sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NYNEX LOCATION	342 HUEGNOT ST	ESE 0 - 1/8 (0.028 mi.)	A19	36
Spill Number/Closed Date: 9708146 / 1997-10-10				
Site ID: 270876				
Program Number: 9708146				
APARTMENT BLDG	54 CENTRE AVE	E 0 - 1/8 (0.035 mi.)	A33	59
Spill Number/Closed Date: 0206558 / 2005-02-27				
Spill Number/Closed Date: 0403405 / 2004-12-10				
Site ID: 254563				
Site ID: 84302				
Program Number: 0206558				
Program Number: 0403405				
COMMERCIAL PROPERTY	64 CENTRE AVE	ESE 0 - 1/8 (0.051 mi.)	B41	69

Spill Number/Closed Date: 1308480 / 2015-04-28
Site ID: 489220
Program Number: 1308480

JONES RESIDENCE	311 HUGUENOT STREET	NE 0 - 1/8 (0.063 mi.)	B50	84
Spill Number/Closed Date: 0410335 / 2005-09-11 Site ID: 335236 Program Number: 0410335				
COCO RESIDENCE	81 CENTRE AVE	ESE 0 - 1/8 (0.068 mi.)	E55	91
Spill Number/Closed Date: 0311339 / 2005-01-10 Site ID: 313391 Program Number: 0311339				
SHORELINE OIL	296 HUGENOT ST,REAR	NE 0 - 1/8 (0.078 mi.)	B62	101
Spill Number/Closed Date: 8709425 / 1988-04-06 Site ID: 83347 Program Number: 8709425				
CENTRE-MAIN ASSOCIAT	75 - 77 CENTER AVE	SE 0 - 1/8 (0.086 mi.)	E65	105
Spill Number/Closed Date: 0311823 / 2004-12-30 Site ID: 149369 Program Number: 0311823				
LILLIAN VERNON CO.	WESTCHESTER PLACE	NE 0 - 1/8 (0.100 mi.)	I80	127
Spill Number/Closed Date: 9213055 / 1995-03-16 Site ID: 201286 Program Number: 9213055				
VACANT LOT	HUGUENOT ST/DIVISION	NE 0 - 1/8 (0.100 mi.)	I82	130
Spill Number/Closed Date: 0510542 / 2006-03-15 Site ID: 356539 Program Number: 0510542				
COMM/RESIDENT. PROPE	15 DIVISION STREET	E 0 - 1/8 (0.121 mi.)	112	168
Spill Number/Closed Date: 9405558 / 2005-02-10 Site ID: 119901 Program Number: 9405558				
LILLIAN VERNON CORP.	***543 MAIN STREET***	***E 0 - 1/8 (0.121 mi.)***	***L118***	***177***
Spill Number/Closed Date: 0308082 / 2004-05-12 Site ID: 94435 Program Number: 0308082				

Lower Elevation	Address	Direction / Distance	Map ID	Page
INDUST OVERALL SERVI	10 BARTELS PLACE	W 0 - 1/8 (0.034 mi.)	A25	42
Spill Number/Closed Date: 1400928 / 2017-03-30 Site ID: 494186 Program Number: 1400928				

State and tribal registered storage tank lists

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, has revealed that there are 13 NY UST sites within

approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SEASONWEIN MANAGEMEN	54 CENTRE AVENUE	E 0 - 1/8 (0.035 mi.)	A34	61
Database: WESTCHESTER CO. UST, Date of Government Version: 07/03/2017 Status: 1. In-Service Id/Status:: 3-169773 Site Status: Active				
STORAGE USA	363 HUGUENOT STREET	S 0 - 1/8 (0.045 mi.)	C36	62
Database: WESTCHESTER CO. UST, Date of Government Version: 07/03/2017 Status: 3. Closed - Removed Id/Status:: 3-801137 Site Status: Administratively Closed				
75 CENTRE AVENUE LLC	***75 CENTRE AVENUE***	***ESE 0 - 1/8 (0.057 mi.)***	***E43***	***73***
Database: WESTCHESTER CO. UST, Date of Government Version: 07/03/2017 Status: 3. Closed - Removed Id/Status:: 3-800240 Site Status: Active				
M.J. HACKER & SONS I	64 CENTRE AVE	E 0 - 1/8 (0.059 mi.)	B46	78
Database: WESTCHESTER CO. UST, Date of Government Version: 07/03/2017 Status: 3. Closed - Removed Status: 8. Unregistered Status: 3a. Closed - Prior to 04/1991 Id/Status:: 3-137979 Site Status: Unregulated				
TRINITY-ST. PAUL'S E	311 HUGUENOT STREET	NE 0 - 1/8 (0.063 mi.)	B51	85
Database: WESTCHESTER CO. UST, Date of Government Version: 07/03/2017 Status: 4. Closed - in place Id/Status:: 3-801006 Site Status: Unregulated: <1101 gal. PBS				
CERUSSI AND VERE	306 HUGUENOT ST	ENE 0 - 1/8 (0.071 mi.)	B60	99
Database: WESTCHESTER CO. UST, Date of Government Version: 07/03/2017 Status: 0. Administratively closed Id/Status:: 3-078360 Site Status: Administratively Closed				
MISR REALTY, LLC	573-579 MAIN STREET	SE 0 - 1/8 (0.089 mi.)	E66	106
Database: WESTCHESTER CO. UST, Date of Government Version: 07/03/2017 Status: 3. Closed - Removed Id/Status:: 3-800238 Site Status: Active				
NEW ROCHELLE IRISH B	38 DIVISION STREET	ENE 0 - 1/8 (0.098 mi.)	I78	126
Database: WESTCHESTER CO. UST, Date of Government Version: 07/03/2017 Status: 3. Closed - Removed Id/Status:: 3-600097 Site Status: Unregulated				
BLOOMINGDALE PARKING	554 MAIN ST	ESE 0 - 1/8 (0.113 mi.)	K105	160
Database: WESTCHESTER CO. UST, Date of Government Version: 07/03/2017 Status: 4. Closed - in place Id/Status:: 3-600330 Site Status: Unregulated: <1101 gal. PBS				
543 MAIN STREET	543 MAIN STREET	E 0 - 1/8 (0.121 mi.)	L116	176
Database: WESTCHESTER CO. UST, Date of Government Version: 07/03/2017				

Status: 3. Closed - Removed
Id/Status:: 3-801106
Site Status: Unregulated: <1101 gal. PBS

LILLIAN VERNON CORPO — 543-549 MAIN STREET — E 0 - 1/8 (0.121 mi.) — L117 — 176
Database: WESTCHESTER CO. UST, Date of Government Version: 07/03/2017
Status: 3. Closed - Removed
Id/Status:: 3-600279
Site Status: Unregulated: <1101 gal. PBS

Lower Elevation	Address	Direction / Distance	Map ID	Page
INDUSTRIAL OVERALL S	10 BARTELLS PLACE	W 0 - 1/8 (0.034 mi.)	A29	53

Database: WESTCHESTER CO. UST, Date of Government Version: 07/03/2017
Status: 0. Administratively closed
Status: 3. Closed - Removed
Id/Status:: 3-025453
Site Status: Unregulated

VACANT — ***399 HUGUENOT STREET*** — ***SSW 0 - 1/8 (0.121 mi.)*** — ***M115*** — ***173***
Database: WESTCHESTER CO. UST, Date of Government Version: 07/03/2017
Status: 3. Closed - Removed
Status: 4. Closed - in place
Id/Status:: 3-801616
Site Status: Unregulated

NY CBS: These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

A review of the NY CBS list, as provided by EDR, and dated 09/21/2017 has revealed that there is 1 NY CBS site within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
INDUSTRIAL OVERALL S	***10 BARTELS PLACE***	***W 0 - 1/8 (0.034 mi.)***	***A28***	***49***

Facility Status: Unregulated/Closed
CBS Number: 3-000235

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, has revealed that there are 6 NY AST sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MAISON 347 LLC	347 HUGUENOT STREET	SE 0 - 1/8 (0.024 mi.)	A17	33

Database: WESTCHESTER CO. AST, Date of Government Version: 07/03/2017
Status: 1. In-Service
PBS Number: 3-502626

587 MAIN STREET — 348 HUGUENOT STREET — SE 0 - 1/8 (0.030 mi.) — A22 — 41
Database: WESTCHESTER CO. AST, Date of Government Version: 07/03/2017
Status: 3. Closed - Removed
PBS Number: 3-802131

75 CENTRE AVENUE LLC — ***75 CENTRE AVENUE*** — ***ESE 0 - 1/8 (0.057 mi.)*** — ***E43*** — ***73***
Database: WESTCHESTER CO. AST, Date of Government Version: 07/03/2017

Status: 1. In-Service
PBS Number: 3-800240

306 HUGUENOT STREET | 306 HUGUENOT STREET | ENE 0 - 1/8 (0.071 mi.) | B59 | 99
Database: WESTCHESTER CO. AST, Date of Government Version: 07/03/2017
Status: 1. In-Service
PBS Number: 3-800236

MISR REALTY, LLC | 573-579 MAIN STREET | SE 0 - 1/8 (0.078 mi.) | E61 | 100
Database: WESTCHESTER CO. AST, Date of Government Version: 07/03/2017
Status: 1. In-Service
PBS Number: 3-800238

Lower Elevation	Address	Direction / Distance	Map ID	Page
VACANT	***399 HUGUENOT STREET***	***SSW 0 - 1/8 (0.121 mi.)***	***M115***	***173***

Database: WESTCHESTER CO. AST, Date of Government Version: 07/03/2017
Status: 3. Closed - Removed
PBS Number: 3-801616

State and tribal Brownfields sites

NY BROWNFIELDS: Brownfields Site List

A review of the NY BROWNFIELDS list, as provided by EDR, and dated 05/16/2017 has revealed that there are 4 NY BROWNFIELDS sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
THE HUGUENOT Site Code: 544502	381-393 HUGUENOT STR	S 0 - 1/8 (0.084 mi.)	C63	102
FLAMINGO CLEANERS Site Code: 335220	***149 NORTH AVE***	***E 1/4 - 1/2 (0.303 mi.)***	***V160***	***263***
OFF-SITE FLAMINGO CL Site Code: 414661	149 NORTH AVENUE	E 1/4 - 1/2 (0.303 mi.)	V161	272
SCHMUCKLER'S DRY CLE Site Code: 357446	358-364 NORTH AVENUE	N 1/4 - 1/2 (0.410 mi.)	166	276

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 05/16/2017 has revealed that there are 25 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VERIZON	342 HUGUENOT ST	ESE 0 - 1/8 (0.028 mi.)	A20	37

Spill Number/Closed Date: 0413326 / 2005-09-11
spillno: 0413326
Site ID: 342403

CEMENT COURT YARD	54 CENTER AVE	E 0 - 1/8 (0.035 mi.)	A32	57

Spill Number/Closed Date: 9908117 / 1999-10-04
Spill Number/Closed Date: 9804849 / 2002-07-15
spillno: 9804849
spillno: 9908117
Site ID: 114515
Site ID: 114516

NAUNA THERESA REST.	599 MAIN ST	SSE 0 - 1/8 (0.095 mi.)	H75	119

Spill Number/Closed Date: 9711794 / 1998-01-21
Spill Number/Closed Date: 9711809 / 1998-01-21
Spill Number/Closed Date: 9111511 / 1992-03-10
spillno: 9111511
spillno: 9711794
spillno: 9711809
Site ID: 74696
Site ID: 96160
Site ID: 96161

ROAD	HUGUENOT ST/DIVISION	NE 0 - 1/8 (0.100 mi.)	I81	128

Spill Number/Closed Date: 0606187 / 2006-09-03
spillno: 0606187
Site ID: 369495

QUEEN CITY SUPER BUF	566 MAIN ST	ESE 0 - 1/8 (0.100 mi.)	E83	131

Spill Number/Closed Date: 0105975 / 2001-09-05
spillno: 0105975
Site ID: 182891

RESIDENCE	129 DIVISON ST	NE 0 - 1/8 (0.102 mi.)	I84	132

Spill Number/Closed Date: 0810056 / 2010-05-04
spillno: 0810056
Site ID: 407567

ON MAIN ST	BETWEEN MAPLE/CENTER	SSE 0 - 1/8 (0.104 mi.)	H93	145

Spill Number/Closed Date: 0314099 / 2004-03-25
spillno: 0314099
Site ID: 64285

CABLE	29 DIVISION STREET	ENE 0 - 1/8 (0.108 mi.)	I97	149

Spill Number/Closed Date: 0804961 / 2008-07-30
spillno: 0804961
Site ID: 401965

CURBSIDE	CENTER AVE/MAIN STRE	SE 0 - 1/8 (0.109 mi.)	K98	150

Spill Number/Closed Date: 0502735 / 2005-06-14
spillno: 0502735
Site ID: 347154

CON EDISON	***19 DIVISION ST & WAS***	***ENE 0 - 1/8 (0.116 mi.)***	***I109***	***165***

Spill Number/Closed Date: 0804960 / 2008-08-16
spillno: 0804960
Site ID: 401964

LILLIAN VERNON CORP.	***543 MAIN STREET***	***E 0 - 1/8 (0.121 mi.)***	***L118***	***177***

Spill Number/Closed Date: 9212475 / 2004-05-12
spillno: 9212475

EXECUTIVE SUMMARY

Site ID: 125220

Lower Elevation	Address	Direction / Distance	Map ID	Page
APPAREL PLUS Spill Number/Closed Date: 1309988 / 2014-01-14 spillno: 1309988 Site ID: 490810	27 CENTRE AVE	NW 0 - 1/8 (0.012 mi.)	A8	21
HYDRO CLEANING SYSTE Spill Number/Closed Date: 0810846 / 2009-02-06 spillno: 0810846 Site ID: 408393	41 RELYEA PLACE	WSW 0 - 1/8 (0.017 mi.)	A9	22
PERC - APPAREL PLUS Spill Number/Closed Date: 1310684 / 2017-03-30 spillno: 1310684 Site ID: 491552	8 BARTLES PLACE	WSW 0 - 1/8 (0.022 mi.)	A12	27
BONILLE RESIDENCE Spill Number/Closed Date: 0811390 / 2009-03-24 Spill Number/Closed Date: 9002502 / 1990-06-05 spillno: 0811390 spillno: 9002502 Site ID: 408966 Site ID: 187065	25 BARTELS PLACE	WSW 0 - 1/8 (0.054 mi.)	D42	71
N AMERICAN VAN LINES Spill Number/Closed Date: 8605124 / 1986-11-12 spillno: 8605124 Site ID: 137997	NEW ENG THWAY MP5.4S	WNW 0 - 1/8 (0.058 mi.)	F45	77
NEIGHBORS HOUSE Spill Number/Closed Date: 9311954 / 1994-06-02 spillno: 9311954 Site ID: 92416	29 BARTELS PLACE	WSW 0 - 1/8 (0.061 mi.)	D47	81
P&D TRANSPORT - HOT Spill Number/Closed Date: 0308809 / 2003-11-26 spillno: 0308809 Site ID: 329742	I-95 NB @ MM 5.4	NNW 0 - 1/8 (0.062 mi.)	F48	82
I-95 Spill Number/Closed Date: 8700158 / 1987-04-07 spillno: 8700158 Site ID: 121121	I-95EB MP54	NNW 0 - 1/8 (0.062 mi.)	F49	83
RUSH MANUFACTURING Spill Number/Closed Date: 9604099 / Not Reported spillno: 9604099 Site ID: 121152	381 HUGUENOT STREET	S 0 - 1/8 (0.084 mi.)	C64	104
I-95 NB Spill Number/Closed Date: 0205208 / 2002-09-03 spillno: 0205208 Site ID: 74580	BETWEEN EXIT 15 & 16	W 0 - 1/8 (0.103 mi.)	J92	144
CON ED 213384 Spill Number/Closed Date: 0814419 / 2008-08-28 spillno: 0814419 Site ID: 432570	MAPLE AVE AND MAIN S	S 0 - 1/8 (0.112 mi.)	H100	152
HIGHWAY	MAIN ST.& MAPLE AVE.	S 0 - 1/8 (0.112 mi.)	H103	158

Spill Number/Closed Date: 9010592 / 1991-01-09
spillno: 9010592
Site ID: 330129

CAR DEALERSHIP — 399 HUGUENOT ST — SSW 0 - 1/8 (0.121 mi.) — M113 — 169
Spill Number/Closed Date: 0911660 / 2010-04-09
Spill Number/Closed Date: 0911593 / 2010-04-09
Spill Number/Closed Date: 0811545 / 2009-01-21
spillno: 0811545
spillno: 0911660
spillno: 0911593
Site ID: 409123
Site ID: 424492
Site ID: 424416

THE BREAD FACTORY — 30 GROVE AVE — WNW 0 - 1/8 (0.125 mi.) — J120 — 180
Spill Number/Closed Date: 1412307 / 2015-11-09
spillno: 1412307
Site ID: 506123

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/12/2016 has revealed that there are 41 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON	HUGUENOT ST & CENTRE	E 0 - 1/8 (0.024 mi.)	A15	31
FIRST METRO SERVICES	***357 HUGONOT ST***	***SSE 0 - 1/8 (0.028 mi.)***	***A18***	***34***
NEW YORK TELEPHONE C	***342 HUGUENOT ST***	***ESE 0 - 1/8 (0.028 mi.)***	***A21***	***38***
CON EDISON TRANSFORM	***595 MAIN ST***	***SSE 0 - 1/8 (0.092 mi.)***	***H67***	***107***
CON EDISON	***CENTRE & MAIN ST***	***SE 0 - 1/8 (0.093 mi.)***	***E69***	***111***
CON EDISON TRANSFORM	***CENTRE AVE & MAIN ST***	***SE 0 - 1/8 (0.093 mi.)***	***E70***	***112***
CON EDISON	565 MAIN ST	ESE 0 - 1/8 (0.095 mi.)	E73	117
CON EDISON MANHOLE:	***HUGENOT AVE & DIVISI***	***NE 0 - 1/8 (0.102 mi.)***	***I89***	***139***
CON EDISON TRANSFORM	DIVISION ST & HUGUEN	NE 0 - 1/8 (0.102 mi.)	I91	143
CON EDISON TRANSFORM	***592 MAIN ST***	***SSE 0 - 1/8 (0.106 mi.)***	***H96***	***147***
NYSDOT BIN 1049890	DIVISION ST OVER MET	NE 0 - 1/8 (0.114 mi.)	I106	161
CON EDISON	***552 MAIN ST***	***ESE 0 - 1/8 (0.115 mi.)***	***K108***	***164***
CON EDISON SERVICE B	***LEROY PL & CENTER AV***	***SE 1/8 - 1/4 (0.147 mi.)***	***K123***	***185***
CON EDISON SERVICE B	***CENTRE AVE & LEROY***	***SE 1/8 - 1/4 (0.147 mi.)***	***K124***	***188***
ROTH CLEANERS	***1 LEROY PL***	***ESE 1/8 - 1/4 (0.177 mi.)***	***P133***	***213***
CON EDISON TRANSFORM	***CHURCH ST & MAIN ST***	***E 1/8 - 1/4 (0.178 mi.)***	***Q134***	***217***
CON EDISON TRANSFORM	***MAIN ST & CHRUCH ST***	***E 1/8 - 1/4 (0.178 mi.)***	***Q135***	***219***
CON EDISON MANHOLE:	***MAIN ST & CHURCH ST***	***E 1/8 - 1/4 (0.178 mi.)***	***Q136***	***221***
ACCESSOCRAFT PRODUCT	***48 LAWTON ST***	***NE 1/8 - 1/4 (0.197 mi.)***	***141***	***237***
PREFERRED CLEANERS	***95 UNION AVE***	***NW 1/8 - 1/4 (0.209 mi.)***	***S145***	***243***
ADREAN PRINTING CO	***490 MAIN ST***	***ENE 1/8 - 1/4 (0.215 mi.)***	***Q146***	***246***
VOGUE PRESS 2	85 CRESENT AVE	W 1/8 - 1/4 (0.235 mi.)	T154	256
CON EDISON	***19 DIVISION ST & WAS***	***N 1/8 - 1/4 (0.239 mi.)***	***158***	***260***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON TRANSFORM	***CENTRE AVE & RELYEA***	***NNW 0 - 1/8 (0.008 mi.)***	***A5***	***13***
CON EDISON TRANSFORM	***CENTRE AVE & RELYEA***	***NNW 0 - 1/8 (0.008 mi.)***	***A6***	***16***
MR CHIMNEY CLEAN	***32 RELYEA PL***	***SSW 0 - 1/8 (0.009 mi.)***	***A7***	***18***
PRO AUTO PARTS	***41 REYLEA PL***	***WSW 0 - 1/8 (0.017 mi.)***	***A10***	***23***
J B & FRANKS	***27 BARTELS PL***	***WSW 0 - 1/8 (0.057 mi.)***	***D44***	***74***
RUSH MFG CORP	***18 COLUMBUS AVE.***	***SSW 0 - 1/8 (0.070 mi.)***	***G56***	***92***
CON EDISON	***35 BARTELS PL***	***WSW 0 - 1/8 (0.070 mi.)***	***D57***	***95***
ALL AMERICAN SPORTS	***44 COLUMBUS AVE***	***SW 0 - 1/8 (0.097 mi.)***	***G77***	***123***
CON EDISON	***MAPLE AVE & MAIN ST***	***S 0 - 1/8 (0.112 mi.)***	***H101***	***153***
CON EDISON MANHOLE:	***MAIN ST & MAPLE ST***	***S 0 - 1/8 (0.112 mi.)***	***H102***	***155***
PAL BUICK INC	***399 HOGUENOT ST***	***SSW 1/8 - 1/4 (0.146 mi.)***	***M122***	***182***
NYSDOT BIN 1091390	DIVISION ST OVER I 9	N 1/8 - 1/4 (0.149 mi.)	N127	193
CON EDISON VAULT SUB	***650 MAIN ST***	***SSW 1/8 - 1/4 (0.184 mi.)***	***R138***	***224***
NEW ROCHELLE CENTER	***MAIN & HUGENOT & LEC***	***SSW 1/8 - 1/4 (0.228 mi.)***	***148***	***249***
CON EDISON	55 WEBSTER AVE & PIN	WSW 1/8 - 1/4 (0.229 mi.)	U149	253
EAST COAST SALES	***55 WEBSTER AVE***	***WSW 1/8 - 1/4 (0.229 mi.)***	***U150***	***253***
CON EDISON TRANSFORM	***WEBSTER AVE & PINE S***	***SW 1/8 - 1/4 (0.238 mi.)***	***157***	***258***
AMERICAN WHITE CROSS	***52 WEBSTER AVE***	***SW 1/8 - 1/4 (0.242 mi.)***	***U159***	***262***

NY DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the NY DRYCLEANERS list, as provided by EDR, and dated 10/27/2016 has revealed that there are 4 NY DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GREEN HEAVEN/CENTRE Facility Id: 3-5510-00298	62 CENTRE AVE.	ESE 0 - 1/8 (0.048 mi.)	B38	64
HANGERS CLEANERS Facility Id: 3-5510-00358	562-564 MAIN STREET	ESE 0 - 1/8 (0.104 mi.)	E95	147
ROTH CLEANERS Facility Id: 3-5510-00292	***1 LEROY PL***	***ESE 1/8 - 1/4 (0.177 mi.)***	***P133***	***213***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOUND CLEANER	63 MEMORIAL HWY	NNE 1/8 - 1/4 (0.170 mi.)	N129	211

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 01/30/2017 has revealed that there are 31 NY MANIFEST sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON EPA ID: NYP004677530	HUGENOT & CENTRE ST	E 0 - 1/8 (0.024 mi.)	A13	28
CON EDISON EPA ID: NYP004332961	CENTRE AVE & HUGUENO	E 0 - 1/8 (0.024 mi.)	A14	30
CON EDISON	CENTER & HUGUENOT	E 0 - 1/8 (0.024 mi.)	A16	32

EPA ID: NYP004676839				
NEW YORK TELEPHONE C EPA ID: NYD986961605	***342 HUGUENOT ST***	***ESE 0 - 1/8 (0.028 mi.)***	***A21***	***38***
GREEN HEAVEN CLEANER EPA ID: NYD982531634	***62 CENTRE STREET***	***ESE 0 - 1/8 (0.048 mi.)***	***B39***	***64***
CON EDISON EPA ID: NYP004677621	HUGENOT AVE & COLUMB	S 0 - 1/8 (0.067 mi.)	C52	86
CON EDISON EPA ID: NYP004687802	HUGUENOT ST & COLUMB	S 0 - 1/8 (0.067 mi.)	C53	88
CON EDISON EPA ID: NYP004677837	HUGENOT ST & COLUMBU	S 0 - 1/8 (0.067 mi.)	C54	89
CON EDISON TRANSFORM EPA ID: NYP004464459	***595 MAIN ST***	***SSE 0 - 1/8 (0.092 mi.)***	***H67***	***107***
CON EDISON EPA ID: NYP004658019	MAIN ST & CENTRE ST	SE 0 - 1/8 (0.093 mi.)	E68	109
CON EDISON TRANSFORM EPA ID: NYP004315198	***CENTRE AVE & MAIN ST***	***SE 0 - 1/8 (0.093 mi.)***	***E70***	***112***
CON ED EPA ID: NYP004760815	CENTRE & MAIN ST	SE 0 - 1/8 (0.093 mi.)	E72	116
CON EDISON EPA ID: NYP004677894	HUGENOT ST & DIVISIO	NE 0 - 1/8 (0.102 mi.)	I86	135
CON ED EPA ID: NYP004353199	DIVISION ST & HUGENO	NE 0 - 1/8 (0.102 mi.)	I87	136
CON EDISON EPA ID: NYP004676847	DIVISION & HUGUENOT	NE 0 - 1/8 (0.102 mi.)	I88	138
CON EDISON MANHOLE: EPA ID: NYP004317285	***HUGENOT AVE & DIVISI***	***NE 0 - 1/8 (0.102 mi.)***	***I89***	***139***
CON EDISON EPA ID: NYP004677548	HUGENOT & DIVISION S	NE 0 - 1/8 (0.102 mi.)	I90	142
CON EDISON TRANSFORM EPA ID: NYP004357059	***592 MAIN ST***	***SSE 0 - 1/8 (0.106 mi.)***	***H96***	***147***
CON EDISON EPA ID: NYP004800058	***19 DIVISION ST & WAS***	***ENE 0 - 1/8 (0.116 mi.)***	***I109***	***165***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON TRANSFORM EPA ID: NYP004365318	***CENTRE AVE & RELYEA***	***NNW 0 - 1/8 (0.008 mi.)***	***A5***	***13***
CON EDISON TRANSFORM EPA ID: NYP004379020	***CENTRE AVE & RELYEA***	***NNW 0 - 1/8 (0.008 mi.)***	***A6***	***16***
MR CHIMNEY CLEAN EPA ID: NYD987011855	***32 RELYEA PL***	***SSW 0 - 1/8 (0.009 mi.)***	***A7***	***18***
PRO AUTO PARTS EPA ID: NYR000016535	***41 REYLEA PL***	***WSW 0 - 1/8 (0.017 mi.)***	***A10***	***23***
NYSDEC-SITE 360109 I EPA ID: NYR000208967	***10 BARTELS PL***	***W 0 - 1/8 (0.034 mi.)***	***A27***	***44***
J B & FRANKS	***27 BARTELS PL***	***WSW 0 - 1/8 (0.057 mi.)***	***D44***	***74***

EPA ID: NYD986884732				
RUSH MFG CORP	***18 COLUMBUS AVE.***	***SSW 0 - 1/8 (0.070 mi.)***	***G56***	***92***
EPA ID: NYD981185051				
CON EDISON	***35 BARTELS PL***	***WSW 0 - 1/8 (0.070 mi.)***	***D57***	***95***
EPA ID: NYP004205654				
CON EDISON	35 BARTELS PL	WSW 0 - 1/8 (0.070 mi.)	D58	97
EPA ID: NYP004744074				
ALL AMERICAN SPORTS	***44 COLUMBUS AVE***	***SW 0 - 1/8 (0.097 mi.)***	***G77***	***123***
EPA ID: NYR000040113				
EPA ID: NYD002182897				
CON EDISON MANHOLE:	***MAIN ST & MAPLE ST***	***S 0 - 1/8 (0.112 mi.)***	***H102***	***155***
EPA ID: NYP004431706				
CON EDISON	MAIN ST & MAPLE AVE	S 0 - 1/8 (0.112 mi.)	H104	159
EPA ID: NYP004674354				

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 12/31/2016 has revealed that there are 5 NJ MANIFEST sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON	CENTRE & MAIN ST	SE 0 - 1/8 (0.093 mi.)	E71	115
EPA Id: NYP004760815				
CON EDISON	565 MAIN ST	ESE 0 - 1/8 (0.095 mi.)	E74	118
EPA Id: NYP004880023				
CON EDISON	552 MAIN ST	ESE 0 - 1/8 (0.115 mi.)	K107	162
EPA Id: NYP004828044				

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYSDEC-SITE 360109 I	10 BARTELS PL	W 0 - 1/8 (0.034 mi.)	A31	54
EPA Id: NYR000208967				
CON EDISON	***MAPLE AVE & MAIN ST***	***S 0 - 1/8 (0.112 mi.)***	***H101***	***153***
EPA Id: NYP004214680				

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the

environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON-CEDAR ST	ONE RAMADA PLAZA	NE 1/2 - 1 (0.566 mi.)	167	282

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 14 EDR Hist Auto sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
T D G MANAGEMENT INC	355 HUGUENOT STREET	SSE 0 - 1/8 (0.031 mi.)	A23	42
FIRESTONE TIRE & RUB	316 HUGUENOT STREET	ENE 0 - 1/8 (0.043 mi.)	B35	62
HACKER MORRIS J & SO	64 CENTRE AVE	ESE 0 - 1/8 (0.051 mi.)	B40	68
CALCULATOR & COMPUTE	548 MAIN ST	ESE 0 - 1/8 (0.119 mi.)	L111	168
CATARINO MANUEL	11 CHARLES ST	W 1/8 - 1/4 (0.203 mi.)	T143	242
AUTOS BY PAIGE	20 CHARLES ST	W 1/8 - 1/4 (0.221 mi.)	T147	249
G C AUTO RESTORATION	80 GROVE AVE	W 1/8 - 1/4 (0.233 mi.)	T151	255
AMERICAN TOWING & AU	85 CRESCENT AVE	W 1/8 - 1/4 (0.235 mi.)	T153	256
VINCES AUTO REPAIR	75 WALNUT ST	NW 1/8 - 1/4 (0.238 mi.)	S156	258

Lower Elevation	Address	Direction / Distance	Map ID	Page
EQUINOX PETROLEUM DI	41 RELYEA PL	WSW 0 - 1/8 (0.017 mi.)	A11	26
NEWMANS AUTOMOTIVE R	9 CENTRE AVE	NW 0 - 1/8 (0.033 mi.)	A24	42
PAL BUICK ISUZU*	399 HUGUENOT STREET	SSW 0 - 1/8 (0.121 mi.)	M114	172
FERRIS-CAPUTO ENTERP	635 MAIN STREET	S 1/8 - 1/4 (0.147 mi.)	M126	192
880 TOWING AND TRUCK	650 MAIN STREET	SSW 1/8 - 1/4 (0.184 mi.)	R139	226

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 16 EDR Hist Cleaner sites within approximately 0.25 miles of the target property.

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BARRETT CARPET & CLE	357 HUGUENOT ST	SSE 0 - 1/8 (0.034 mi.)	A26	44
SIMONETTI CLEANERS &	62 CENTRE AVE	ESE 0 - 1/8 (0.048 mi.)	B37	63
ZUCARO SERFINE	599 MAIN STREET	SSE 0 - 1/8 (0.095 mi.)	H76	122
HAYES KATHRYN INC	36-38 DIVISION ST	ENE 0 - 1/8 (0.098 mi.)	I79	127
CO2 CLEANERS INC	562 MAIN ST	ESE 0 - 1/8 (0.104 mi.)	E94	146
MAGIC CARPET CLEANIN	550 MAIN ST	ESE 0 - 1/8 (0.117 mi.)	K110	167
CHAN HOI KUEN	5 LE ROY PL	ESE 1/8 - 1/4 (0.175 mi.)	P131	212
ROTH BROTHERS CLEANE	1 LEROY PL	ESE 1/8 - 1/4 (0.177 mi.)	P132	212
ON THE SPOT CARPET C	3 CHURCH ST STE 699	E 1/8 - 1/4 (0.178 mi.)	Q137	223
NEBRASKY CLEANERS	96 UNION AVE	NW 1/8 - 1/4 (0.202 mi.)	S142	242
NEBRASKY CLEANERS CO	95 UNION AVE	NW 1/8 - 1/4 (0.209 mi.)	S144	242
SHULMAN S B & CO	484 MAIN ST	ENE 1/8 - 1/4 (0.234 mi.)	152	255

Lower Elevation	Address	Direction / Distance	Map ID	Page
RAMOS UPHOLSTERY & M	611 MAIN ST	S 0 - 1/8 (0.109 mi.)	H99	151
PRECIOUS RUGS LIQUID	616 MAIN ST	S 0 - 1/8 (0.122 mi.)	H119	180
SOUND CLEANERS	63 MEMORIAL HWY	NNE 1/8 - 1/4 (0.170 mi.)	N130	212
STATION CLEANERS	24 STATION PLZ	NNE 1/8 - 1/4 (0.235 mi.)	155	258

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

NY RGA HWS: The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

A review of the NY RGA HWS list, as provided by EDR, has revealed that there is 1 NY RGA HWS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
INDUSTRIAL OVERALL S	10 BARTELS PLACE	W 0 - 1/8 (0.034 mi.)	A30	54

NY RGA LF: The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

A review of the NY RGA LF list, as provided by EDR, has revealed that there are 2 NY RGA LF sites within approximately 0.5 miles of the target property.

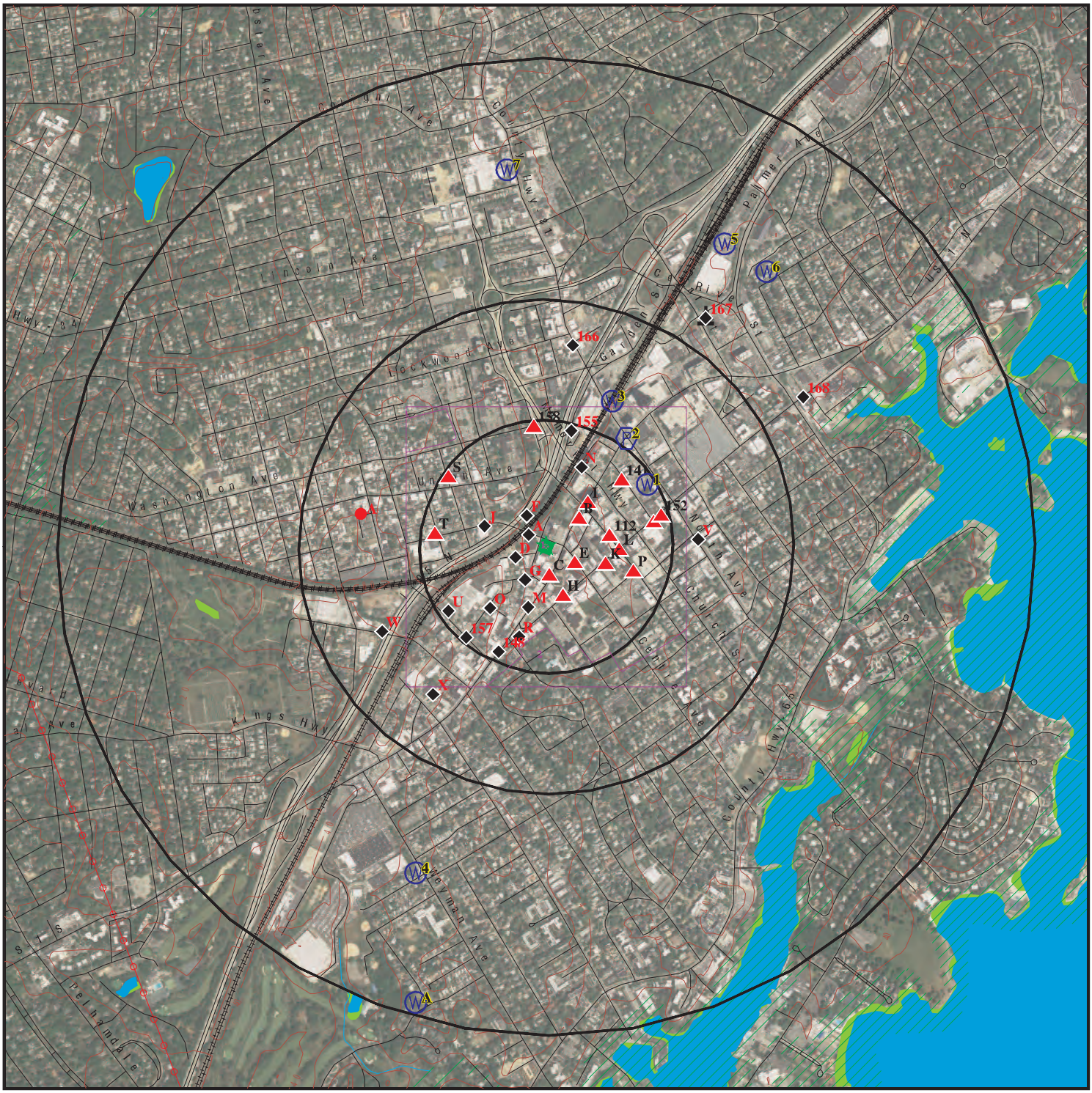
Lower Elevation	Address	Direction / Distance	Map ID	Page
NEW ROCHELLE LEAF T.	85 BEECHWOOD AVE	WSW 1/4 - 1/2 (0.369 mi.)	W163	274
QUEEN CITY RECYCLING	19 CLIFF STREET	SW 1/4 - 1/2 (0.398 mi.)	X165	275

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

Site Name	Database(s)
MEARL CORP.	NY SHWS
MM 5.4 LEFT LANE	NY LTANKS
FORMER 7-UP BOTTLING PLANT	NY HSWDS
CONED, PELHAM	NY HSWDS

OVERVIEW MAP - 5063908.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	33-35 Centre Avenue	CLIENT:	Ecosystems Strategies, Inc.
ADDRESS:	33-35 Centre Avenue New Rochelle NY 10801	CONTACT:	Victoria Panico
		INQUIRY #:	5063908.2s
LAT/LONG:	40.908227 / 73.785527	DATE:	October 03, 2017 6:03 pm

Copyright © 2017 EDR, Inc. © 2015 TomTom Rel. 2015.

DETAIL MAP - 5063908.2S

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	33-35 Centre Avenue	CLIENT:	Ecosystems Strategies, Inc.
ADDRESS:	33-35 Centre Avenue New Rochelle NY 10801	CONTACT:	Victoria Panico
		INQUIRY #:	5063908.2s
LAT/LONG:	40.908227 / 73.785527	DATE:	October 03, 2017 6:05 pm

Copyright © 2017 EDR, Inc. © 2015 TomTom Rel. 2015.

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	TP		NR	NR	NR	NR	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	0.500		0	0	0	NR	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	1.000		0	0	0	0	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.250		0	0	NR	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	1	0	0	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		2	2	NR	NR	NR	4
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250	1	1	2	NR	NR	NR	4
Federal institutional controls / engineering controls registries								
LUCIS	0.125		0	NR	NR	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		1	1	0	1	NR	3
NY VAPOR REOPENED	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500		0	0	2	NR	NR	2
State and tribal leaking storage tank lists								
INDIAN LUST	0.500		0	0	0	NR	NR	0
NY LTANKS	0.125		12	NR	NR	NR	NR	12
NY HIST LTANKS	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
FEMA UST	0.125		0	NR	NR	NR	NR	0
NY UST	0.125		13	NR	NR	NR	NR	13
NY CBS UST	0.125		0	NR	NR	NR	NR	0
NY MOSF UST	0.125		0	NR	NR	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY CBS	0.125		1	NR	NR	NR	NR	1
NY AST	0.125		6	NR	NR	NR	NR	6
NY CBS AST	0.125		0	NR	NR	NR	NR	0
NY MOSF AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.125		0	NR	NR	NR	NR	0
NY TANKS	0.125		0	NR	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
NY RES DECL	0.125		0	NR	NR	NR	NR	0
NY ENG CONTROLS	0.125		0	NR	NR	NR	NR	0
NY INST CONTROL	0.125		0	NR	NR	NR	NR	0
State and tribal voluntary cleanup sites								
NY VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY BROWNFIELDS	0.500		1	0	3	NR	NR	4
NY ERP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		TP	NR	NR	NR	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
NY SWTIRE		TP	NR	NR	NR	NR	NR	0
NY SWRCY		TP	NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI		TP	NR	NR	NR	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL		TP	NR	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US CDL		TP	NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.125		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY HIST AST	0.125		0	NR	NR	NR	NR	0
Local Land Records								
NY LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.250		0	0	NR	NR	NR	0
NY Spills	0.125		25	NR	NR	NR	NR	25
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		22	19	NR	NR	NR	41
FUDS	1.000		0	0	0	0	NR	0
DOD	TP		NR	NR	NR	NR	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP	1	NR	NR	NR	NR	NR	1
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP	1	NR	NR	NR	NR	NR	1
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	1.000		0	0	0	0	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP	1	NR	NR	NR	NR	NR	1
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	TP		NR	NR	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP	1	NR	NR	NR	NR	NR	1
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY DRYCLEANERS	0.250		2	2	NR	NR	NR	4
NY E DESIGNATION	TP		NR	NR	NR	NR	NR	0
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
NY HSWDS	1.000		0	0	0	0	NR	0
NY MANIFEST	0.125	1	31	NR	NR	NR	NR	32
RI MANIFEST	0.125		0	NR	NR	NR	NR	0
NJ MANIFEST	0.125	1	5	NR	NR	NR	NR	6
NY SPDES	0.125		0	NR	NR	NR	NR	0
NY UIC	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	1	NR	1
EDR Hist Auto	0.250		7	7	NR	NR	NR	14
EDR Hist Cleaner	0.250		8	8	NR	NR	NR	16
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
NY RGA HWS	1.000		1	0	0	0	NR	1
NY RGA LF	0.500		0	0	2	NR	NR	2
- Totals --		8	138	42	7	2	0	197

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property **ERIC S TURNER & CO**
33 CENTRE AVE NO. 35
NEW ROCHELLE, NY 10801

FINDS 1016183530
ECHO N/A

Site 1 of 34 in cluster A

Actual: 91 ft.

FINDS:

Registry ID: 110001985585

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

AIR MINOR

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1016183530
Registry ID: 110001985585
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110001985585

A2 **ERIC S TURNER & CO INC.** **RCRA-CESQG** **1007204937**
Target **33-35 CENTRE AVE** **NJ MANIFEST** **NYD002015402**
Property **NEW ROCHELLE, NY 10801** **NY MANIFEST**

Site 2 of 34 in cluster A

Actual:
91 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	ERIC S TURNER & CO INC.
Facility address:	33-35 CENTRE AVE NEW ROCHELLE, NY 108010000
EPA ID:	NYD002015402
Mailing address:	PO BOX #816 NEW ROCHELLE, NY 108010000
Contact:	WILLIAM TURNER
Contact address:	PO BOX #816 NEW ROCHELLE, NY 108010000
Contact country:	US
Contact telephone:	(914) 235-7114
Telephone ext.:	9999
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Site name:	ERIC S TURNER & CO INC.

ERIC S TURNER & CO INC. (Continued) **1007204937**

Classification: Small Quantity Generator

Date form received by agency: 03/18/2005
Site name: ERIC S TURNER & CO INC.
Classification: Large Quantity Generator

Date form received by agency: 03/21/1994
Site name: ERIC S TURNER & CO INC.
Classification: Large Quantity Generator

Violation Status: No violations found

NJ MANIFEST:

EPA Id:	NYD002015402
Mail Address:	Not reported
Mail City/State/Zip:	Not reported
Facility Phone:	9142357114
Emergency Phone:	Not reported
Contact:	Not reported
Comments:	Not reported
SIC Code:	Not reported
County:	00
Municipal:	00
Previous EPA Id:	Not reported
Gen Flag:	X
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	NJA5224399
EPA ID:	NYD002015402
Date Shipped:	12/06/2004
TSDF EPA ID:	NJR000022442
Transporter EPA ID:	NJR000023325
Transporter 2 EPA ID:	OHD009865825
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	12/06/2004
Date Trans2 Transported Waste:	12/07/2004
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	12/08/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported

ERIC S TURNER & CO INC. (Continued) **1007204937**

Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	01250521
Was Load Rejected:	No
Reason Load Was Rejected:	Not reported

NY MANIFEST:

Country:	USA
EPA ID:	NYD002015402
Facility Status:	Not reported
Location Address 1:	33-35 CENTRE AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10801
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD002015402
Mailing Name:	ERIC S TURNER & CO INC.
Mailing Contact:	W V TURNER PRESIDENT
Mailing Address 1:	P. O. BOX 816
Mailing Address 2:	Not reported
Mailing City:	NEW ROCHELLE
Mailing State:	NY
Mailing Zip:	10801
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9142357114

NY MANIFEST:

Document ID:	NJA5224399
Manifest Status:	Not reported
seq:	Not reported
Year:	2004
Trans1 State ID:	NJAF906B
Trans2 State ID:	58746
Generator Ship Date:	12/06/2004
Trans1 Recv Date:	12/06/2004
Trans2 Recv Date:	12/07/2004
TSD Site Recv Date:	12/08/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD002015402
Trans1 EPA ID:	NJR000023325

ERIC S TURNER & CO INC. (Continued) **1007204937**

Trans2 EPA ID:	Not reported
TSDF ID 1:	NJR000022
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00

Click this hyperlink while viewing on your computer to access
14 additional NY_MANIFEST: record(s) in the EDR Site Report.

A3 **ERIC S TURNER & CO** **US AIRS** **1006810069**
Target **33-35 CENTER ST** **N/A**
Property **NEW ROCHELLE, NY 10801**

Site 3 of 34 in cluster A

Actual:
91 ft.

US AIRS MINOR:

Envid:	1006810069
Region Code:	02
Programmatic ID:	AIR NY0000003551000038
Facility Registry ID:	110001985585
D and B Number:	Not reported
Primary SIC Code:	3471
NAICS Code:	332813
Default Air Classification Code:	MIN

ERIC S TURNER & CO (Continued) **1006810069**

Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

A4 **ERIC S TURNER & CO, INC** **FTTS** **1007277177**
Target **33 - 35 CENTRE AVE** **HIST FTTS** **N/A**
Property **NEW ROCHELLE, NY 10801**

Site 4 of 34 in cluster A

Actual:
91 ft.

FTTS INSP:
Inspection Number: 200303260022 1
Region: 02
Inspection Date: 03/26/03
Inspector: J. KWIATKOWSKI, MW
Violation occurred: Yes
Investigation Type: Lead, Section 1018, SEE
Investigation Reason: Neutral Scheme, Follow-Up
Legislation Code: TSCA
Facility Function: Landlord/Renter Facility

HIST FTTS INSP:
Inspection Number: 200303260022 1
Region: 02
Inspection Date: Not reported
Inspector: J. KWIATKOWSKI, MW
Violation occurred: Yes
Investigation Type: Lead, Section 1018, SEE
Investigation Reason: Neutral Scheme, Follow-Up
Legislation Code: TSCA
Facility Function: Landlord/Renter Facility

A5 **CON EDISON TRANSFORMER MANHOLE: 4319** **RCRA NonGen / NLR** **1016963532**
NNW **CENTRE AVE & RELYEA PL** **NY MANIFEST** **NYP004365318**
< 1/8 **NEW ROCHELLE, NY 10801**
0.008 mi.
41 ft.

Site 5 of 34 in cluster A

Relative:
Lower

Actual:
88 ft.

RCRA NonGen / NLR:
Date form received by agency: 10/24/2013
Facility name: CON EDISON TRANSFORMER MANHOLE: 4319
Facility address: CENTRE AVE & RELYEA PL
NEW ROCHELLE, NY 10801
EPA ID: NYP004365318
Mailing address: IRVING PL, 15TH FL NE
NEW YORK, NY 10003
Contact: THOMAS TEELING
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (212) 460-3770
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator

CON EDISON TRANSFORMER MANHOLE: 4319 (Continued) **1016963532**

Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/24/2013
Site name: CON EDISON TRANSFORMER MANHOLE: 4319
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
Country: USA
EPA ID: NYP004365318
Facility Status: Not reported
Location Address 1: CENTRE AVE & RELYEA PL
Code: BP
Location Address 2: TM 4319
Total Tanks: Not reported
Location City: NEW ROCHELLE
Location State: NY
Location Zip: Not reported
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004365318
Mailing Name: CON EDISON
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING PL 15TH FL
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124603770

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2013

CON EDISON TRANSFORMER MANHOLE: 4319 (Continued) **1016963532**

Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	09/24/2013
Trans1 Recv Date:	09/24/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/26/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004365318
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	011694707JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	400
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

A6
NNW
< 1/8
0.008 mi.
41 ft.

CON EDISON TRANSFORMER MANHOLE: 4319
CENTRE AVE & RELYEA PL
NEW ROCHELLE, NY 10802

Site 6 of 34 in cluster A

RCRA NonGen / NLR
NY MANIFEST

1016965006
NYP004379020

Relative:
Lower

Actual:
88 ft.

RCRA NonGen / NLR:

Date form received by agency:	11/23/2013
Facility name:	CON EDISON TRANSFORMER MANHOLE: 4319
Facility address:	CENTRE AVE & RELYEA PL NEW ROCHELLE, NY 10802
EPA ID:	NYP004379020
Mailing address:	IRVING PL, 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	10/23/2013
Site name:	CON EDISON TRANSFORMER MANHOLE: 4319
Classification:	Conditionally Exempt Small Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

Country:	USA
EPA ID:	NYP004379020
Facility Status:	Not reported
Location Address 1:	CENTRE AVE & RELYEA PL
Code:	BP
Location Address 2:	SB4314
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10801

CON EDISON TRANSFORMER MANHOLE: 4319 (Continued) **1016965006**

Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004379020
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PLACE
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2013
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	10/23/2013
Trans1 Recv Date:	10/23/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/29/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004379020
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	011693664JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	300
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1

CON EDISON TRANSFORMER MANHOLE: 4319 (Continued) **1016965006**

Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

A7 **MR CHIMNEY CLEAN** **RCRA NonGen / NLR** **1004758604**
SSW **32 RELYEA PL** **FINDS** **NYD987011855**
< 1/8 **NEW ROCHELLE, NY 10801** **ECHO**
0.009 mi. **NY MANIFEST**
50 ft. **Site 7 of 34 in cluster A**

Relative: Lower

Actual: 90 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	MR CHIMNEY CLEAN
Facility address:	32 RELYEA PL NEW ROCHELLE, NY 10801
EPA ID:	NYD987011855
Mailing address:	RELYEA PL NEW ROCHELLE, NY 10801
Contact:	MAURICE MCKENNA
Contact address:	RELYEA PL NEW ROCHELLE, NY 10801
Contact country:	US
Contact telephone:	(914) 632-6660
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NAUAL MOTION PICTURES
Owner/operator address:	270 MAIN ST NEW ROCHELLE, NY 10801
Owner/operator country:	US
Owner/operator telephone:	(914) 632-2406
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NAUAL MOTION PICTURES
Owner/operator address:	270 MAIN ST NEW ROCHELLE, NY 10801
Owner/operator country:	US
Owner/operator telephone:	(914) 632-2406
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

MR CHIMNEY CLEAN (Continued) **1004758604**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Historical Generators:
- Date form received by agency: 01/01/2006
- Site name: MR CHIMNEY CLEAN
- Classification: Not a generator, verified

- Date form received by agency: 06/01/1994
- Site name: MR CHIMNEY CLEAN
- Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: X002
. Waste name: POLYCHLORINATED BIPHENOLS (PCBs)

Violation Status: No violations found

FINDS:

Registry ID: 110004493922

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
- Envid: 1004758604
- Registry ID: 110004493922
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004493922

MR CHIMNEY CLEAN (Continued) **1004758604**

NY MANIFEST:

Country:	USA
EPA ID:	NYD987011855
Facility Status:	Not reported
Location Address 1:	270 MAIN ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10801
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD987011855
Mailing Name:	NAVAL MOTION PICTURE SERVICE
Mailing Contact:	PAUL RAMOS
Mailing Address 1:	270 MAIN ST
Mailing Address 2:	Not reported
Mailing City:	NEW ROCHELLE
Mailing State:	NY
Mailing Zip:	10801
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	0000000000

NY MANIFEST:

Document ID:	CTF0276746
Manifest Status:	C
seq:	Not reported
Year:	1994
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	06/23/1994
Trans1 Recv Date:	06/23/1994
Trans2 Recv Date:	/ /
TSD Site Recv Date:	06/27/1994
Part A Recv Date:	/ /
Part B Recv Date:	07/11/1994
Generator EPA ID:	NYD987011855
Trans1 EPA ID:	NYD173735192
Trans2 EPA ID:	Not reported
TSDF ID 1:	CTD000604488
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D008 - LEAD 5.0 MG/L TCLP

MR CHIMNEY CLEAN (Continued) **1004758604**

Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

A8 **APPAREL PLUS** **NY Spills** **S116156116**
NW **27 CENTRE AVE** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.012 mi.
64 ft. **Site 8 of 34 in cluster A**

Relative:
Lower

Actual:
88 ft.

SPILLS:

Facility ID:	1309988
Facility Type:	ER
DER Facility ID:	445839
Site ID:	490810
DEC Region:	3
Spill Date:	2014-01-14
Spill Number/Closed Date:	1309988 / 2014-01-14
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	DXWEITZ
Referred To:	Not reported
Reported to Dept:	2014-01-14
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Health Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2014-01-14
Spill Record Last Update:	2014-01-14
Spiller Name:	CHRIS LALAK
Spiller Company:	APPAREL PLUS LAUNDRY
Spiller Address:	27 CENTRE AVE
Spiller City,St,Zip:	NEW ROCHELLE, NY
Spiller Company:	999
Contact Name:	CHRIS LALAK
Contact Phone:	(914) 224-7649
DEC Memo:	"1/14/14 Chris Lalak from WCHD called and said that this was motor oil from a truck in the parking lot. People at the laundry did the

APPAREL PLUS (Continued) **S116156116**

cleanup. According to Chris Lalak, the spill can be closed. They were there for other reasons. NFA dw"

Remarks: "loss to sewer. c/u in progress"

Material:

Site ID:	490810
Operable Unit ID:	1240364
Operable Unit:	01
Material ID:	2240510
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2.00
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

A9 **HYDRO CLEANING SYSTEMS** **NY Spills** **S109413972**
WSW **41 RELYEA PLACE** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.017 mi.
88 ft. **Site 9 of 34 in cluster A**

Relative:
Lower

Actual:
87 ft.

SPILLS:

Facility ID:	0810846
Facility Type:	ER
DER Facility ID:	357641
Site ID:	408393
DEC Region:	3
Spill Date:	2008-12-29
Spill Number/Closed Date:	0810846 / 2009-02-06
Spill Cause:	Housekeeping
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	jbodee
Referred To:	WCDOH
Reported to Dept:	2008-12-29
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	2008-12-29
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2008-12-29
Spill Record Last Update:	2009-02-06
Spiller Name:	KEN MCHALE
Spiller Company:	UNKNOWN
Spiller Address:	41 RELYEA PL

HYDRO CLEANING SYSTEMS (Continued) **S109413972**

Spiller City,St,Zip:	NEW ROCHELLE, NY
Spiller Company:	999
Contact Name:	KEN MCHALE
Contact Phone:	Not reported
DEC Memo:	"12/29/08 3 pipe from facility drains at curb on Bartle Pl. Runoff from business operation drains from this pipe. Ken says water appears to have sheen and exhibits a petroleum odor. Carlos and Chris, WCHD, to investigate. Update: Call back from Carlos. Business is not the source of spill. There is a residence between business and Metro North work site. Curbside fill for residence has staining around it that is transferring to the water discharged from the business. Residence is at 25 Bartles Place, owner is Miriam Zucker-Strutin. WCHD attempting to make contact. jc 2/6/09: Small surface spill. Lalak reports clean up was completed. NFA jod"
Remarks:	"Caller states a business is cleaning some machines and the runoff water appears to be tainted with a sheen. Driveway exits onto Bartel place."

Material:

Site ID:	408393
Operable Unit ID:	1164907
Operable Unit:	01
Material ID:	2156292
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

A10 **PRO AUTO PARTS** **RCRA NonGen / NLR** **1001079946**
WSW **41 REYLEA PL** **FINDS** **NYR000016535**
< 1/8 **NEW ROCHELLE, NY 10801** **ECHO**
0.017 mi. **NY MANIFEST**
88 ft. **Site 10 of 34 in cluster A**

Relative:
Lower

Actual:
87 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	PRO AUTO PARTS
Facility address:	41 REYLEA PL NEW ROCHELLE, NY 108016918
EPA ID:	NYR000016535
Mailing address:	SUMMERFIELD ST SCARSDALE, NY 10853
Contact:	Not reported
Contact address:	SUMMERFIELD ST SCARSDALE, NY 10853
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator

PRO AUTO PARTS (Continued) **1001079946**

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: PRO AUTO PARTS CORP
Owner/operator address: 135 SUMMER FIELD ST
SCARSDALE, NY 10853
Owner/operator country: US
Owner/operator telephone: (914) 772-4871
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: PRO AUTO PARTS CORP
Owner/operator address: 135 SUMMER FIELD ST
SCARSDALE, NY 10853
Owner/operator country: US
Owner/operator telephone: (914) 772-4871
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: PRO AUTO PARTS
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: PRO AUTO PARTS
Classification: Not a generator, verified

Date form received by agency: 11/16/1995
Site name: PRO AUTO PARTS
Classification: Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

PRO AUTO PARTS (Continued) **1001079946**

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D010
. Waste name: SELENIUM

Violation Status: No violations found

FINDS:

Registry ID: 110004520377

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1001079946
Registry ID: 110004520377
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004520377

NY MANIFEST:
Country: USA
EPA ID: NYR000016535
Facility Status: Not reported
Location Address 1: 41 REYLEA PLACE
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: NEW ROCHELLE
Location State: NY
Location Zip: 10801
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYR000016535
Mailing Name: PRO AUTO PARTS
Mailing Contact: PHILIP A MORRIS JR
Mailing Address 1: 135 SUMMERFIELD ROAD
Mailing Address 2: Not reported
Mailing City: SCARSDALE
Mailing State: NY
Mailing Zip: 10583
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 9147933336

NY MANIFEST:
Document ID: NYB7350417

PRO AUTO PARTS (Continued) **1001079946**

Manifest Status:	C
seq:	Not reported
Year:	1995
Trans1 State ID:	PD9938
Trans2 State ID:	Not reported
Generator Ship Date:	12/21/1995
Trans1 Recv Date:	12/21/1995
Trans2 Recv Date:	/ /
TSD Site Recv Date:	12/21/1995
Part A Recv Date:	01/05/1996
Part B Recv Date:	01/03/1996
Generator EPA ID:	NYR000016535
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD082785429
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00130
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	089

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

A11 **EQUINOX PETROLEUM DISTRIBUTORS** **EDR Hist Auto** **1020805760**
WSW **41 RELYEA PL** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.017 mi.
88 ft. **Site 11 of 34 in cluster A**

Relative: EDR Hist Auto
Lower

	Year:	Name:	Type:
Actual: **87 ft.**	1998	EQUINOX PETROLEUM DISTRIBUTORS	Gasoline Service Stations

A12
WSW
< 1/8
0.022 mi.
116 ft.

PERC - APPAREL PLUS
8 BARTLES PLACE
NEW ROCHELLE, NY

Site 12 of 34 in cluster A

NY Spills **S116156593**
N/A

Relative:
Lower

Actual:
85 ft.

SPILLS:

Facility ID:	1310684
Facility Type:	ER
DER Facility ID:	446541
Site ID:	491552
DEC Region:	3
Spill Date:	2014-01-13
Spill Number/Closed Date:	1310684 / 2017-03-30
Spill Cause:	Deliberate
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	ELMOORE
Referred To:	Not reported
Reported to Dept:	2014-02-10
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Health Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2014-02-10
Spill Record Last Update:	2017-04-13
Spiller Name:	Bob O'Brien
Spiller Company:	APPAREL PLUS/ INDUSTRIAL OVERALL SERVICE
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	CARLOS TORRES
Contact Phone:	914 424 5927
DEC Memo:	"2-10-14 Spoke with Carlos. He said incident occurred 1/13/14. Soil was from sump inside. Carlos says Todd has soil sample results showing around 7000 ppm. jc 2/24/2014 -- WCDOH on site last Friday. Dumped sludge has been placed into a 5 yd dumpster. Not meant for Haz Waste, but containerized. List of acceptable contractors for proper disposal provided to owner on 2/21/14 by DOH. NOV issued by DOH on 2/21 for PBS violations, sediment dumping, drums leaking, asbestos, TCR for 5K Gasoline UST, TT for heating oil tank. ELM 4/25/2014 -- On site 4/24 to meet with Mr. O'Brien and his 2 contractors (HydroEnviro for investigation/remediation) and Advanced Enviro (transfer of dumpster wastes into proper shipping containers. Mr. O'Brien then made contact with Metro North for permission to work on MNR property (sludge investigation). Screened soil samples from 2 holes dug by pick axe. Down to 10 inches, pid readings were 8 to 12 (slightly higher with depth, but not much found). Similar pid screening from dumpster hit 1,900 ppm. Work plan to be developed by HydroEnvir for investigation (3 borings to water table, one extended for groundwater sample). They will also complete 2 other borings where a former Gasoline UST was removed without site assessment over 10 years ago.

PERC - APPAREL PLUS (Continued) **S116156593**

Today sending State contractors RI of the area to all at the site visit. ELM 7/21/2014 -- MEQ emailed spill closure report including 3 geoprobe soil borings and one water sample. PERC hits were less than 10 ppb, roughly at or less than the previously known levels of contamination from RI for Superfund project. Groundwater was clean. ELM 3/30/2017 -- Carlos drove by this week and the soil pile has been removed. The entire site clean-up being accomplished under Haz Waste. 360109 ELM"

Remarks: "Caller advised unknown amount of product dumped onto soil. Caller advised workers took out 2 wheel barrows and dumped in the back. Caller advising samples were taken and result just came back. Further clean up is pending."

Material:

Site ID:	491552
Operable Unit ID:	1241100
Operable Unit:	01
Material ID:	2241374
Material Code:	0040C
Material Name:	PERC
Case No.:	Not reported
Material FA:	Other
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

A13 **CON EDISON** **NY MANIFEST** **S117535592**
East **HUGENOT & CENTRE ST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.024 mi.
125 ft. **Site 13 of 34 in cluster A**

Relative:
Higher

Actual:
96 ft.

NY MANIFEST:

Country:	USA
EPA ID:	NYP004677530
Facility Status:	Not reported
Location Address 1:	HUGENOT & CENTRE ST
Code:	BP
Location Address 2:	MH 1230
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10801
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004677530
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY

CON EDISON (Continued) **S117535592**

Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2014
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	10/14/2014
Trans1 Recv Date:	10/14/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/20/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004677530
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012774876JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

A14
East
< 1/8
0.024 mi.
125 ft.

CON EDISON
CENTRE AVE & HUGUENOT ST
NEW ROCHELLE, NY 10801

Site 14 of 34 in cluster A

NY MANIFEST **S113917500**
N/A

Relative:
Higher

Actual:
96 ft.

NY MANIFEST:

Country:	USA
EPA ID:	NYP004332961
Facility Status:	Not reported
Location Address 1:	CENTRE AVE & HUGUENOT ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10801
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004332961
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PLACE 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2013
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	07/22/2013
Trans1 Recv Date:	07/22/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/26/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004332961
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	011695949JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported

CON EDISON (Continued) **S113917500**

Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	100
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

A15 **CON EDISON** **RCRA NonGen / NLR** **1014398803**
East **HUGUENOT ST & CENTRE ST** **NYP004211728**
< 1/8 **NEW ROCHELLE, NY 10801**
0.024 mi.
125 ft. **Site 15 of 34 in cluster A**

Relative:
Higher

Actual:
96 ft.

RCRA NonGen / NLR:

Date form received by agency:	07/19/2010
Facility name:	CON EDISON
Facility address:	HUGUENOT ST & CENTRE ST NEW ROCHELLE, NY 10801
EPA ID:	NYP004211728
Mailing address:	4 IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	DONALD SENNO
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(914) 925-6219
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No

CON EDISON (Continued) **1014398803**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

A16 **CON EDISON** **NY MANIFEST** **S117319603**
East **CENTER & HUGUENOT** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.024 mi.
125 ft. **Site 16 of 34 in cluster A**

Relative:
Higher

Actual:
96 ft.

NY MANIFEST:

Country:	USA
EPA ID:	NYP004676839
Facility Status:	Not reported
Location Address 1:	CENTER & HUGUENOT
Code:	BP
Location Address 2:	MH 1230
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	Not reported
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004676839
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2014
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	10/13/2014
Trans1 Recv Date:	10/13/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/14/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004676839
Trans1 EPA ID:	Not reported

CON EDISON (Continued) **S117319603**

Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012770954JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	1000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

A17 **MAISON 347 LLC** **NY AST** **A100359858**
SE **347 HUGUENOT STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.024 mi.
126 ft. **Site 17 of 34 in cluster A**

Relative:
Higher

Actual:
94 ft.

WESTCHESTER CO. AST:

PBS Number:	3-502626
Site Status:	Active
GDS Number:	Not reported
Operator Name:	Maison 347 LLC
Owner Name:	Maison 347 LLC
Owner Street:	347 Huguenot St
Owner Address2:	Not reported
Owner City/State/Zip:	New Rochelle, NY 10801
Tank Number:	1
Status:	1. In-Service
Date Installation:	06/01/1995
Capacity:	2500

MAISON 347 LLC (Continued) **A100359858**

Product Stored:	0001. #2 Fuel Oil
Product Stored Percent:	Not reported
Date Perm Closure:	01/01/1900
Tank Location:	2. Aboveground (contact w/ impervious barrier)
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	0. None
Tank Leak Detection:	0. None
Tank Secondary Containment:	3. Vault (w/ no access)
Piping Location:	1. Aboveground
Piping Type:	1. Steel/Carbon/ steel/iron
Piping External Protection:	0. None
Piping Leak Detection:	0. None
Piping Secondary Containment:	0. None
Overfill Prevention:	4. Product Level Gauge (Aboveground Only),5. Vent Whistle
Spill Prevention:	0. None
Dispenser:	2. Suction

A18 **FIRST METRO SERVICES** **RCRA NonGen / NLR** **1004759815**
SSE **357 HUGONOT ST** **FINDS** **NYR000022053**
< 1/8 **NEW ROCHELLE, NY 10805** **ECHO**
0.028 mi.
150 ft. **Site 18 of 34 in cluster A**

Relative:
Higher

Actual:
92 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	FIRST METRO SERVICES
Facility address:	357 HUGONOT ST NEW ROCHELLE, NY 10805
EPA ID:	NYR000022053
Mailing address:	S DIVISION ST NEW ROCHELLE, NY 10805
Contact:	BILL LIVANOS
Contact address:	S DIVISION ST NEW ROCHELLE, NY 10805
Contact country:	US
Contact telephone:	(914) 576-7210
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	LEO SATALICH
Owner/operator address:	19 LYON PL NEW ROCHELLE, NY 10805
Owner/operator country:	US
Owner/operator telephone:	(914) 632-9692
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	LEO SATALICH
Owner/operator address:	19 LYON PL NEW ROCHELLE, NY 10805
Owner/operator country:	US

FIRST METRO SERVICES (Continued) **1004759815**

Owner/operator telephone: (914) 632-9692
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: FIRST METRO SERVICES
Classification: Not a generator, verified

Date form received by agency: 04/09/1996
Site name: FIRST METRO SERVICES
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D006
. Waste name: CADMIUM

Violation Status: No violations found

FINDS:

Registry ID: 110004523882

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

FIRST METRO SERVICES (Continued) **1004759815**

ECHO:
Envid: 1004759815
Registry ID: 110004523882
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004523882

A19 **NYNEX LOCATION** **NY LTANKS** **S102660218**
ESE **342 HUEGNOT ST** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.028 mi.
150 ft. **Site 19 of 34 in cluster A**

Relative:
Higher

Actual:
95 ft.

LTANKS:
Site ID: 270876
Spill Number/Closed Date: 9708146 / 1997-10-10
Spill Date: 1997-10-10
Spill Cause: Tank Failure
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: True
SWIS: 6010
Investigator: tdghiosa
Referred To: Not reported
Reported to Dept: 1997-10-10
CID: 365
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1997-10-10
Spill Record Last Update: 1997-11-12
Spiller Name: RICH KALISTA
Spiller Company: BELL ATLANTIC
Spiller Address: 2203 MCCONNELL ST
Spiller City,St,Zip: BELLMORE, NY
Spiller County: 001
Spiller Contact: TOM MUFF
Spiller Phone: (914) 449-5321
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 220510
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY "
Remarks: "DOING AN UPGRADE FOR A NYNEX LOCATION AND REMOVING 2 UNDERGROUND TANKS FROM A BASEMENT - TANKS WERE ENCASED BY SAND & WHEN REMOVED THE SAND WAS CONTAMINATED - THEY HAVE REMOVED SAND."

Material:
Site ID: 270876
Operable Unit ID: 1051372
Operable Unit: 01
Material ID: 330133
Material Code: 0001A
Material Name: #2 fuel oil

NYNEX LOCATION (Continued) **S102660218**

Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

A20 **VERIZON** **NY Spills** **S106867403**
ESE **342 HUGUENOT ST** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.028 mi.
150 ft. **Site 20 of 34 in cluster A**

Relative:
Higher

Actual:
95 ft.

SPILLS:

Facility ID:	0413326
Facility Type:	ER
DER Facility ID:	288752
Site ID:	342403
DEC Region:	3
Spill Date:	2005-03-22
Spill Number/Closed Date:	0413326 / 2005-09-11
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	JBODee
Referred To:	Not reported
Reported to Dept:	2005-03-22
CID:	406
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Tank Tester
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2005-03-22
Spill Record Last Update:	2005-09-11
Spiller Name:	CLAUDIA
Spiller Company:	VERIZON
Spiller Address:	342 HUGUENOT ST.
Spiller City,St,Zip:	NEW ROCHELLE, NY
Spiller Company:	001
Contact Name:	CLAUDIA
Contact Phone:	Not reported
DEC Memo:	"September 11, 2005: TANK PASSED A RETEST AFTER PIPING WAS REPAIRED. BASED UPON INFORMATION PROVIDED TO DEC, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jod"
Remarks:	"Tank is tight has a bad vent line. Will be replacing the vent line."

Material:

Site ID:	342403

VERIZON (Continued) **S106867403**

Operable Unit ID: 1101130
Operable Unit: 01
Material ID: 581261
Material Code: 0008
Material Name: diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Gallons
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:
Site ID: 342403
Spill Tank Test: 1548716
Tank Number: 6
Tank Size: 6000
Test Method: 03
Leak Rate: .00
Gross Fail: Not reported
Modified By: Watchdog
Last Modified: Not reported
Test Method: Horner EZ Check I or II

A21 **NEW YORK TELEPHONE CO** **RCRA NonGen / NLR** **1000553730**
ESE **342 HUGUENOT ST** **NY MANIFEST** **NYD986961605**
< 1/8 **NEW ROCHELLE, NY 10801**
0.028 mi.
150 ft. **Site 21 of 34 in cluster A**

Relative:
Higher

Actual:
95 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: NEW YORK TELEPHONE CO
Facility address: 342 HUGUENOT ST
NEW ROCHELLE, NY 10801
EPA ID: NYD986961605
Mailing address: NINTH AVE
NEW YORK, NY 10001
Contact: CATHERINE ROM
Contact address: NINTH AVE
NEW YORK, NY 10001
Contact country: US
Contact telephone: (212) 502-7694
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NEW YORK TELEPHONE CO
Owner/operator address: 342 HUGUENOT ST
NEW ROCHELLE, NY 10801
Owner/operator country: US
Owner/operator telephone: (914) 632-9964
Legal status: Private

NEW YORK TELEPHONE CO (Continued) **1000553730**

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NEW YORK TELEPHONE CO
Owner/operator address: 342 HUGUENOT ST
NEW ROCHELLE, NY 10801
Owner/operator country: US
Owner/operator telephone: (914) 632-9964
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: NEW YORK TELEPHONE CO
Classification: Not a generator, verified

Date form received by agency: 07/02/1991
Site name: NEW YORK TELEPHONE CO
Classification: Small Quantity Generator

. Waste code: X003
. Waste name: OTHER STATE REGULATED WASTES [i.e., DIESEL FUEL, GASOLINE AND HOME HEATING OIL]

Violation Status: No violations found

NY MANIFEST:
Country: USA
EPA ID: NYD986961605
Facility Status: Not reported
Location Address 1: 342 HUGANAUGHT STREET
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: WESTCHESTER
Location State: NY
Location Zip: Not reported

NEW YORK TELEPHONE CO (Continued) **1000553730**

Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD986961605
Mailing Name: TELESECTOR RESOURCES GROUP
Mailing Contact: WAYNE SEBRO
Mailing Address 1: 441 9TH AVENUE 5TH FLOOR
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10001
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2125027694

NY MANIFEST:
Document ID: ILA7651009
Manifest Status: K
seq: Not reported
Year: 1997
Trans1 State ID: 1478
Trans2 State ID: 2075
Generator Ship Date: 10/23/1997
Trans1 Recv Date: 10/23/1997
Trans2 Recv Date: 10/23/1997
TSD Site Recv Date: 10/29/1997
Part A Recv Date: 11/26/1997
Part B Recv Date: 11/20/1997
Generator EPA ID: NYD986961605
Trans1 EPA ID: MAD039322250
Trans2 EPA ID: NJD000813477
TSDF ID 1: ILD000608471
TSDF ID 2: Not reported
Manifest Tracking Number: Not reported
Import Indicator: Not reported
Export Indicator: Not reported
Discr Quantity Indicator: Not reported
Discr Type Indicator: Not reported
Discr Residue Indicator: Not reported
Discr Partial Reject Indicator: Not reported
Discr Full Reject Indicator: Not reported
Manifest Ref Number: Not reported
Alt Facility RCRA ID: Not reported
Alt Facility Sign Date: Not reported
MGMT Method Type Code: Not reported
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Quantity: 00200
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100

NEW YORK TELEPHONE CO (Continued) **1000553730**

Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00030
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
2 additional NY_MANIFEST: record(s) in the EDR Site Report.

A22 **587 MAIN STREET** **NY AST** **A100433537**
SE **348 HUGUENOT STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.030 mi.
159 ft. **Site 22 of 34 in cluster A**

Relative:
Higher

Actual:
95 ft.

WESTCHESTER CO. AST:

PBS Number:	3-802131
Site Status:	Unregulated
GDS Number:	Not reported
Operator Name:	Not reported
Owner Name:	RXR 587 Main Owner LLC
Owner Street:	625 RXR Plaza
Owner Address2:	Not reported
Owner City/State/Zip:	Uniondale, NY 11556
Tank Number:	1
Status:	3. Closed - Removed
Date Installation:	01/01/1900
Capacity:	8000
Product Stored:	0001. #2 Fuel Oil
Product Stored Percent:	Not reported
Date Perm Closure:	06/23/2017
Tank Location:	3. Aboveground on saddles,legs,stilts,racks or cradle
Tank Type:	Not reported
Tank Internal Protection:	Not reported
Tank External Protection:	Not reported
Tank Leak Detection:	Not reported
Tank Secondary Containment:	Not reported
Piping Location:	Not reported
Piping Type:	Not reported
Piping External Protection:	Not reported
Piping Leak Detection:	Not reported
Piping Secondary Containment:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Dispenser:	Not reported

A23
SSE
< 1/8
0.031 mi.
163 ft.

T D G MANAGEMENT INC
355 HUGUENOT STREET
NEW ROCHELLE, NY 10801

EDR Hist Auto **1021310134**
N/A

Site 23 of 34 in cluster A

Relative:
Higher

Actual:
93 ft.

EDR Hist Auto

Year:	Name:	Type:
1985	T D G MANAGEMENT INC	Auto And Home Supply Stores

A24
NW
< 1/8
0.033 mi.
173 ft.

NEWMANS AUTOMOTIVE RAD SVC
9 CENTRE AVE
NEW ROCHELLE, NY 10801

EDR Hist Auto **1020739782**
N/A

Site 24 of 34 in cluster A

Relative:
Lower

Actual:
83 ft.

EDR Hist Auto

Year:	Name:	Type:
1993	NEWMANS AUTOMOTIVE RAD SVC	Powertrain Components Repair Services
1994	NEWMANS AUTOMOTIVE RAD SVC	Powertrain Components Repair Services
1995	NEWMANS AUTOMOTIVE RAD SVC	Powertrain Components Repair Services

---

A25
West
< 1/8
0.034 mi.
180 ft.

INDUST OVERALL SERVICE CORP
10 BARTELS PLACE
NEW ROCHELLE, NY

NY LTANKS **S116555778**
N/A

Site 25 of 34 in cluster A

Relative:
Lower

Actual:
81 ft.

LTANKS:

Site ID:	494186
Spill Number/Closed Date:	1400928 / 2017-03-30
Spill Date:	2014-04-28
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	6010
Investigator:	ELMOORE
Referred To:	Not reported
Reported to Dept:	2014-04-28
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2014-04-28
Spill Record Last Update:	2017-03-30
Spiller Name:	BOB OBRIEN
Spiller Company:	INDUSTRIAL OVERALL SERV CORP
Spiller Address:	10 BARTELL PL
Spiller City,St,Zip:	NEW ROCHELLE, NY
Spiller County:	999

INDUST OVERALL SERVICE CORP (Continued) **S116555778**

Spiller Contact:	BOB OBRIEN
Spiller Phone:	(914) 235-1220
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	449117
DEC Memo:	"4-28-14: Chris/WCHD call to Dispt./V.Mc.: Heating oil tank, out of service, failed test. 3/30/2017 -- Carlos drove by this week and the soil pile has been removed. This spill can be closed, with the entire site clean-up being accomplished under Haz Waste. 360109 ELM"
Remarks:	"tank 2 5000 gallon"

Material:

Site ID:	494186
Operable Unit ID:	1243715
Operable Unit:	01
Material ID:	2244419
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Site ID:	494186
Spill Tank Test:	2495577
Tank Number:	1
Tank Size:	4000
Test Method:	99
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	JBODEE
Last Modified:	Not reported
Test Method:	Alternate Test per former 613.5(a)(2)(v)
Site ID:	494186
Spill Tank Test:	2495578
Tank Number:	2
Tank Size:	5000
Test Method:	21
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	JBODEE
Last Modified:	Not reported
Test Method:	Horner EZY3/EZY3 Locator Plus

A26
SSE
< 1/8
0.034 mi.
181 ft.

BARRETT CARPET & CLEANING CO*
357 HUGUENOT ST
NEW ROCHELLE, NY 10801

Site 26 of 34 in cluster A

EDR Hist Cleaner **1018932025**
N/A

Relative:
Higher

Actual:
93 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1972	BARRETT CARPET & CLEANING CO*	Carpet And Upholstery Cleaning
1973	BARRETT CARPET & CLEANING CO*	Carpet And Upholstery Cleaning
1974	BARRETT CARPET & CLEANING CO*	Carpet And Upholstery Cleaning
1975	BARRETT CARPET & CLEANING CO*	Carpet And Upholstery Cleaning
1976	BARRETT CARPET & CLEANING CO*	Carpet And Upholstery Cleaning

---

A27
West
< 1/8
0.034 mi.
181 ft.

NYSDEC-SITE 360109 INDUSTRIAL OVERALL SERVICE CORP
10 BARTELS PL
NEW ROCHELLE, NY 10801

Site 27 of 34 in cluster A

RCRA-LQG **1016678149**
FINDS **NYR000208967**
ECHO
NY MANIFEST

Relative:
Lower

Actual:
81 ft.

RCRA-LQG:

Date form received by agency:	04/19/2016
Facility name:	NYSDEC-SITE 360109 INDUSTRIAL OVERALL SERVICE CORP
Facility address:	10 BARTELS PL NEW ROCHELLE, NY 10801
EPA ID:	NYR000208967
Mailing address:	CENTRE AVE NEW ROCHELLE, NY 10801
Contact:	DAVID CROSBY
Contact address:	BROADWAY ALBANY, NY 12233
Contact country:	US
Contact telephone:	(518) 402-9662
Contact email:	DAVID.CROSBY@DEC.NY.GOV
EPA Region:	02
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	ROBERT OBRIEN
Owner/operator address:	CENTRE AVE NEW ROCHELLE, NY 10801
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator

NYSDEC-SITE 360109 INDUSTRIAL OVERALL SERVICE CORP (Continued) **1016678149**

Owner/Op start date: 01/01/1900
Owner/Op end date: Not reported

Owner/operator name: ROBERT OBRIEN
Owner/operator address: CENTRE AVE
NEW ROCHELLE, NY 10801
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1900
Owner/Op end date: Not reported

Owner/operator name: INDUSTRIAL OVERALL SERVICE CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/01/1950
Owner/Op end date: Not reported

Owner/operator name: INDUSTRIAL OVERALL SERVICE CORP
Owner/operator address: BARTELS PL
NEW ROCHELLE, NY 10801
Owner/operator country: US
Owner/operator telephone: (914) 235-1220
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/23/2010
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009

NYSDEC-SITE 360109 INDUSTRIAL OVERALL SERVICE CORP (Continued) 1016678149

. Waste name: MERCURY

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:
Date form received by agency: 12/09/2014
Site name: INDUSTRIAL OVERALL SERVICE CORP
Classification: Not a generator, verified

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Date form received by agency: 03/31/2014
Site name: INDUSTRIAL OVERALL SERVICE CORP
Classification: Small Quantity Generator

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Listing - General
Date violation determined: 03/18/2014
Date achieved compliance: 07/08/2014
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/14/2014
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 12000
Paid penalty amount: 12000

Regulation violated: Not reported
Area of violation: Listing - General
Date violation determined: 03/18/2014

NYSDEC-SITE 360109 INDUSTRIAL OVERALL SERVICE CORP (Continued) **1016678149**

Date achieved compliance: 07/08/2014
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/15/2014
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 10000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Listing - General
Date violation determined: 03/18/2014
Date achieved compliance: 07/08/2014
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/31/2014
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 07/08/2014
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/01/2014
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Listing - General
Date achieved compliance: 07/08/2014
Evaluation lead agency: State

Evaluation date: 03/18/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Listing - General
Date achieved compliance: 07/08/2014
Evaluation lead agency: State

FINDS:

Registry ID: 110058881152

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NYSDEC-SITE 360109 INDUSTRIAL OVERALL SERVICE CORP (Continued) **1016678149**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016678149
Registry ID:	110058881152
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110058881152

NY MANIFEST:

Country:	USA
EPA ID:	NYR000208967
Facility Status:	Not reported
Location Address 1:	10 BARTELS PLACE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10801
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000208967
Mailing Name:	NYSDEC-SITE 360109 INDUSTRIAL OVERALL SERVICE CORP
Mailing Contact:	NYSDEC-SITE 360109 INDUSTRIAL OVERALL SERVICE CORP
Mailing Address 1:	10 BARTELS PL
Mailing Address 2:	Not reported
Mailing City:	NEW ROCHELLE
Mailing State:	NY
Mailing Zip:	10801
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2015
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	10/29/2015
Trans1 Recv Date:	10/29/2015
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/29/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000208967
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	014168256JJK
Import Indicator:	N
Export Indicator:	N

NYSDEC-SITE 360109 INDUSTRIAL OVERALL SERVICE CORP (Continued) **1016678149**

Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	800
Units:	P - Pounds
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	F001
Waste Code 1_2:	F002
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access
20 additional NY_MANIFEST: record(s) in the EDR Site Report.

A28 **INDUSTRIAL OVERALL SERVICE CORP.** **NY SHWS** **S110043643**
West **10 BARTELS PLACE** **NY CBS** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.034 mi.
181 ft. **Site 28 of 34 in cluster A**

Relative:
Lower

Actual:
81 ft.

SHWS:

Program:	HW
Site Code:	413917
Classification:	Significant threat to the public health or environment - action required.
Region:	3
Acres:	0.42
HW Code:	360109
Record Add:	05/15/2009
Record Upd:	09/08/2016
Updated By:	DACROSBY

Site Description: Location: The Industrial Overall Service Corporation site is located at 10 Bartels Place in the City of New Rochelle, Westchester County, NY. The site is located east of I-95 and west of US-1 (Huguenot Street) and it is bounded by Reylea Place, Bartels Place, Centre Avenue and the Metro North railroad property and tracks. Site Features: The site is 0.42 acres in size and resides on a slightly sloping irregularly shaped parcel. The main site feature includes a six-sided building which occupies the majority of the property and a small parking area located to the south and southwest of the

INDUSTRIAL OVERALL SERVICE CORP. (Continued) **S110043643**

building. The surrounding area is urban with a mix of commercial and residential establishments mixed in between the commercial businesses. Current Zoning/ Uses: This property is zoned for commercial use. The building is the location of two active businesses, Workingman s Closet and Apparel +Plus. The Workingman s Closet business uses the business address of 27 Centre Street. Historic Uses: Industrial Overall Services has been operating at the current location as a uniform and industrial clothing laundering facility, historically cleaning heavily soiled clothing from auto body and gasoline dispensing businesses since 1939. Based on a Sanborn Fire Insurance Map form 1931, the site previously operated as an automobile garage. In 1980, Workingman s Closet which sells new and reclaimed work clothes, was opened, and a dry cleaning facility operated there for a short time in the same decade. Today, Workingman s Closet launders linens and uniforms for restaurants and other businesses, and Apparel +Plus is a retail uniform business. Laundry operations on the site have used various cleaning products in the past. A remedial investigation conducted at the site has measured high concentrations of the dry cleaning chemical tetrachloroethylene (PCE) and its degradation products which is migrating from two sources: the subsurface lint trap located within the site building, and a debris and waste disposal area on the ground surface on site and on the adjacent Metro North Railroad property. Contamination migrating from these sources has impacted groundwater in the bedrock and overburden aquifers and has developed a plume extending downgradient (southwest) from the site over 1900 feet, as well as the bedrock itself. Site Geology and Hydrology: Groundwater is found in the overburden and in the bedrock. Groundwater is generally found 10 to 15 feet below ground surface and flows in a southwesterly direction. Overburden in the vicinity ranges in thickness from 2.2 feet to 32 feet, and consists of fill material (1-5 feet in thickness) and varied amounts of fine to coarse sand with varying amounts of silt. Deeper overburden is described as having till-like characteristics (higher density, well consolidated, and lower moisture content). Bedrock in the vicinity is a highly weathered gneissic/schistosic rock which is undulating in nature and is generally more transmissive than the till-like overburden material directly above.

Env Problem: Nature and Extent of Contamination: The primary contaminants of concern at the site include tetrachloroethylene (PCE) and its associated breakdown products. PCE was detected in groundwater at the site and downgradient off-site. On-site PCE in groundwater was noted at greater than 5,300 parts per billion (ppb) in site. The levels of PCE appear to diminish from the 1,000's of ppb of PCE to non detectable approximately 1000 feet to the southwest of the site. However, a high (PCE) concentration of 200 ppm was documented by within the adjoining Metro North railway property. Trichloroethylene (TCE) and TCA, were also detected in the groundwater both downgradient and on the site. Special Resources Impacted/Threatened: The site is located in an urban area of the City of New Rochelle. No significant environmental resources have been identified near the site. Significant Threat: The site presents a significant threat to the environment and a potential threat to human health due to the ongoing release of contamination from the site and from adjoining Metro North property into groundwater and soil vapor.

Health Problem: Direct contact with contaminants in groundwater is unlikely because the area is served by an uncontaminated public water supply. While

INDUSTRIAL OVERALL SERVICE CORP. (Continued) **S110043643**

the majority of the site is covered with buildings and pavement, trespassers or employees may come in direct contact with some contaminated surficial soils on site and on the adjacent Metro North Railroad property. Volatile organic compounds in the groundwater or soil may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion (SVI). Inhalation of site contaminants in indoor air due to soil vapor intrusion is unknown because the on-site building is an active laundry facility. However, an evaluation to determine the potential for soil vapor intrusion to occur, will be needed should the current site use of the building or chemical use change in the future. Sub-slab depressurization systems have been installed in two off-site buildings to prevent the inhalation of site-related contamination. In addition, air monitoring is on-going at four additional off-site buildings to verify further actions are not needed. Sampling indicates soil vapor intrusion may be a concern for additional off-site buildings.

Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	UNKNOWN
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	6/11/2009 3:11:00 PM
Record Upd:	8/10/2015 11:09:00 AM
Updated By:	KATHOMPS
Own Op:	Owner
Sub Type:	NNN
Owner Name:	ROBERT O'BRIEN
Owner Company:	WORKING MAN'S CLOSET, INC
Owner Address:	3 KOLBERT DRIVE
Owner Addr2:	Not reported
Owner City,St,Zip:	SCARSDALE, NY 10583
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	08
Owner Name:	Robert R. O'Brien
Owner Company:	Apparel + Plus Textile Rental, LLC
Owner Address:	27 Centre Avenue/10 Bartells Place
Owner Addr2:	Not reported
Owner City,St,Zip:	New Rochelle, NY 10801
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	New Rochelle Public Library
Owner Address:	1 Library Plaza
Owner Addr2:	Not reported
Owner City,St,Zip:	New Rochelle, NY 10801
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	01

INDUSTRIAL OVERALL SERVICE CORP. (Continued) **S110043643**

Owner Name:	Mr Burton Dorfman, Esq.
Owner Company:	Industrial Overall Services, Inc.(IOS)
Owner Address:	10 Bartells Place
Owner Addr2:	Not reported
Owner City,St,Zip:	New Rochelle, NY 10801
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Region 3 Headquarters
Owner Company:	New York State Department of Environmental Conservation
Owner Address:	21 South Putt Corners Rd
Owner Addr2:	Not reported
Owner City,St,Zip:	New Paltz, NY 12561
Owner Country:	United States of America
HW Code:	360109
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	360109
Waste Type:	1,1,1-TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	360109
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	360109
Waste Type:	1,1-dichloroethane
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	360109
Waste Type:	vinyl chloride
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	360109
Waste Type:	methylene chloride
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	360109
Waste Type:	cis-1,2-dichloroethene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	360109
Waste Type:	TETRACHLOROETHYLENE (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	360087
Cross Ref Type Code:	02
Cross Ref Type:	HW Site ID
Record Added Date:	5/21/2009 3:07:00 PM
Record Updated:	5/21/2009 3:07:00 PM
Updated By:	RXKEATIN
Crossref ID:	1309988
Cross Ref Type Code:	01
Cross Ref Type:	Spill No.
Record Added Date:	4/14/2014 11:03:00 AM
Record Updated:	4/14/2014 11:03:00 AM

INDUSTRIAL OVERALL SERVICE CORP. (Continued) **S110043643**

Updated By: RDBENDEL
Crossref ID: 1310684
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2/14/2014 8:19:00 AM
Record Updated: 2/14/2014 8:19:00 AM
Updated By: ELMOORE

CBS:
CBS Number: 3-000235
Program Type: CBS
Facility Status: Unregulated/Closed
Expiration Date: Not reported
Dec Region: 3
UTMX: 602235.14737
UTMY: 4529262.58924

A29 **INDUSTRIAL OVERALL SERVICE CORP.** **NY UST** **U004176640**
West **10 BARTELLS PLACE** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.034 mi.
181 ft. **Site 29 of 34 in cluster A**

Relative:
Lower

Actual:
81 ft.

WESTCHESTER CO. UST:
Id/Status: 3-025453 / Unregulated
Operator Name: Robert O'Brien
Owner Name: Industrial Overall Service Corp.
Owner Street: 10 Bartels Place
Owner Address2: Not reported
Owner City: New Rochelle
Owner State: NY
Owner Zipcode: 10801
GDS Number: Not reported

Tank Number: 1
Status: 0. Administratively closed
Capacity: 4000
Product Stored: 0009. Gasoline
Product Stored Percent: Not reported
Tank Leak Detection: 0. None
Date Installation: 12/01/1979
Date Perm Closure: 03/11/2003
Tank Location: 5. Underground including vaulted with no access for inspection
Tank Type: 6. Fiberglass reinforced plastic (FRP)
Tank Internal Protection: 0. None
Tank External Protection: 0. None
Tank Secondary Containment: 0. None
Piping Location: Not reported
Piping Type: 2. Galvanized steel
Piping External Protection: 0. None
Overfill Prevention: 0. None
Piping Secondary Containment: Not reported
Spill Prevention: 0. None
Dispenser: 2. Suction

Tank Number: 2

INDUSTRIAL OVERALL SERVICE CORP. (Continued) **U004176640**

Status:	3. Closed - Removed
Capacity:	5000
Product Stored:	0001. #2 Fuel Oil
Product Stored Percent:	Not reported
Tank Leak Detection:	0. None
Date Installation:	05/01/1980
Date Perm Closure:	08/26/2014
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	0. None
Tank Secondary Containment:	0. None
Piping Location:	3. Aboveground/Underground Combination
Piping Type:	2. Galvanized Steel
Piping External Protection:	0. None
Overfill Prevention:	0. None
Piping Secondary Containment:	0. None
Spill Prevention:	Not reported
Dispenser:	0. None

A30 **INDUSTRIAL OVERALL SERVICE CORP.** **NY RGA HWS** **S114964168**
West **10 BARTELS PLACE** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.034 mi.
181 ft. **Site 30 of 34 in cluster A**

Relative:
Lower

Actual:
81 ft.

RGA HWS:

2012	INDUSTRIAL OVERALL SERVICE CORP.	10 BARTELS PLACE
2011	INDUSTRIAL OVERALL SERVICE CORP.	10 BARTELS PLACE
2010	INDUSTRIAL OVERALL SERVICE CORP.	10 BARTELS PLACE
2009	INDUSTRIAL OVERALL SERVICE CORP.	10 BARTELS PLACE

A31 **NYSDEC-SITE 360109 INDUSTRIAL OVERALL SERVICE CORP** **NJ MANIFEST** **S120679001**
West **10 BARTELS PL** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.034 mi.
181 ft. **Site 31 of 34 in cluster A**

Relative:
Lower

Actual:
81 ft.

NJ MANIFEST:

EPA Id:	NYR000208967
Mail Address:	CENTRE AVE
Mail City/State/Zip:	NEW ROCHELLE, NY 10801
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	DAVID CROSBY
Comments:	Not reported
SIC Code:	Not reported
County:	NY119
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

NYSDEC-SITE 360109 INDUSTRIAL OVERALL SERVICE CORP (Continued) **S120679001**

Manifest:

Manifest Number:	010914098JJK
EPA ID:	NYR000208967
Date Shipped:	1/26/2015
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW ROCHELLE, NY 10801
Reason Load Was Rejected:	Not reported

Manifest Number:	000959895GBF
EPA ID:	NYR000208967
Date Shipped:	4/9/2015
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported

NYSDEC-SITE 360109 INDUSTRIAL OVERALL SERVICE CORP (Continued) **S120679001**

Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW ROCHELLE, NY 10801
Reason Load Was Rejected:	Not reported

Manifest Number:	014168256JJK
EPA ID:	NYR000208967
Date Shipped:	10/29/2015
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported

NYSDEC-SITE 360109 INDUSTRIAL OVERALL SERVICE CORP (Continued) **S120679001**

Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW ROCHELLE, NY 10801
Reason Load Was Rejected:	Not reported

A32 **CEMENT COURT YARD** **NY Spills** **S104282704**
East **54 CENTER AVE** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.035 mi.
185 ft. **Site 32 of 34 in cluster A**

Relative:
Higher

Actual:
98 ft.

SPILLS:

Facility ID:	9908117
Facility Type:	ER
DER Facility ID:	99871
Site ID:	114516
DEC Region:	3
Spill Date:	1999-10-04
Spill Number/Closed Date:	9908117 / 1999-10-04
Spill Cause:	Human Error
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	1999-10-04
CID:	312
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-10-04
Spill Record Last Update:	1999-10-06
Spiller Name:	Not reported
Spiller Company:	CEMENT COURT YARD
Spiller Address:	54 CENTER AVE
Spiller City,St,Zip:	NEW ROCHELLE, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TRAVER 10/4/99 SPILLER CLEANED UP. NFA"
Remarks:	"BLDG SUPER OVERORDERED - CLEANED UP"

Material:

Site ID:	114516

CEMENT COURT YARD (Continued) **S104282704**

Operable Unit ID:	1082403
Operable Unit:	01
Material ID:	555958
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	6.00
Units:	Gallons
Recovered:	6.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Facility ID:	9804849
Facility Type:	ER
DER Facility ID:	99871
Site ID:	114515
DEC Region:	3
Spill Date:	1998-07-18
Spill Number/Closed Date:	9804849 / 2002-07-15
Spill Cause:	Deliberate
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1998-07-18
CID:	207
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Fire Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-07-18
Spill Record Last Update:	2002-07-15
Spiller Name:	Not reported
Spiller Company:	NABER REALTY INC
Spiller Address:	BOX 156H
Spiller City,St,Zip:	SCARSDALE, NY 10583-
Spiller Company:	001
Contact Name:	CAPT DIMEGLIA
Contact Phone:	(914) 654-2215
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY "
Remarks:	"fd called to an odor of fuel oil in a residence- upon arrival in basement it appeared were working on the oil boiler and were pumping product into sewer thru sump pumps"

Material:

Site ID:	114515

CEMENT COURT YARD (Continued) **S104282704**

Operable Unit ID:	1065894
Operable Unit:	01
Material ID:	319611
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

A33 **APARTMENT BLDG** **NY LTANKS** **S105996855**
East **54 CENTRE AVE** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.035 mi.
185 ft. **Site 33 of 34 in cluster A**

Relative:
Higher

Actual:
98 ft.

LTANKS:

Site ID:	254563
Spill Number/Closed Date:	0206558 / 2005-02-27
Spill Date:	2002-09-06
Spill Cause:	Tank Overfill
Spill Source:	Private Dwelling
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	6010
Investigator:	WCHD
Referred To:	WESTCHESTER CNTY HEALTH D
Reported to Dept:	2002-09-24
CID:	390
Water Affected:	Not reported
Spill Notifier:	Health Department
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2002-09-24
Spill Record Last Update:	2005-02-27
Spiller Name:	ENERITO GONZALEZ
Spiller Company:	APARTMENT BLDG
Spiller Address:	54 CENTRE AV
Spiller City,St,Zip:	NEW ROCHELLE, ZZ
Spiller County:	001
Spiller Contact:	ENERITO GONZALEZ
Spiller Phone:	(914) 309-2775
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	208499
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was WCHD - SCHNEIDER 2/27/05 #4 overfill to surface--close "

APARTMENT BLDG (Continued) **S105996855**

Remarks: "spill was noticed on 9/6 - unk when it occurred"

Material:

Site ID:	254563
Operable Unit ID:	858169
Operable Unit:	01
Material ID:	517160
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Site ID:	84302
Spill Number/Closed Date:	0403405 / 2004-12-10
Spill Date:	2004-06-29
Spill Cause:	Tank Test Failure
Spill Source:	Non Major Facility > 1,100 gal
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	6010
Investigator:	WCHD
Referred To:	WESTCHESTER CNTY HEALTH D
Reported to Dept:	2004-06-29
CID:	406
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2004-06-29
Spill Record Last Update:	2004-12-10
Spiller Name:	BASSAM MABER
Spiller Company:	APARTMENT BLDG
Spiller Address:	54 CENTRE AVE
Spiller City,St,Zip:	NEW ROCHELLE, NY
Spiller County:	001
Spiller Contact:	BASSAM MABER
Spiller Phone:	(914) 645-6420
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	77542
DEC Memo:	"12/10/04 PBS facility. Tank passed a retest after piping was repaired. Spill file closed by Danielle Jackson of the Westchester County Health Dept. No further action is required at this time. jbo"
Remarks:	"Tank Test Failure. Reccommend Retest."

APARTMENT BLDG (Continued) **S105996855**

Material:
Site ID: 84302
Operable Unit ID: 886824
Operable Unit: 01
Material ID: 490990
Material Code: 0002A
Material Name: #4 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Gallons
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:
Site ID: 84302
Spill Tank Test: 1529391
Tank Number: 1
Tank Size: 2000
Test Method: 03
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified: Not reported
Test Method: Horner EZ Check I or II

A34 **SEASONWEIN MANAGEMENT LLC** **NY UST** **U003994353**
East **54 CENTRE AVENUE** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.035 mi.
185 ft. **Site 34 of 34 in cluster A**

Relative:
Higher

Actual:
98 ft.

WESTCHESTER CO. UST:
Id/Status: 3-169773 / Active
Operator Name: Matt Seasonwein
Owner Name: Seasonwein Management LLC
Owner Street: 300 Gramatan Avenue
Owner Address2: Not reported
Owner City: Mount Vernon
Owner State: NY
Owner Zipcode: 10552
GDS Number: Not reported

Tank Number: 1
Status: 1. In-Service
Capacity: 2000
Product Stored: 0001. #2 Fuel Oil
Product Stored Percent: Not reported
Tank Leak Detection: 0. None
Date Installation: 01/01/1928
Date Perm Closure: 01/01/1900
Tank Location: 5. Underground including vaulted with no access for inspection
Tank Type: 1. Steel/Carbon steel/Iron
Tank Internal Protection: 0. None
Tank External Protection: 0. None

SEASONWEIN MANAGEMENT LLC (Continued) **U003994353**

Tank Secondary Containment:	4. Double-Walled (underground only)
Piping Location:	1. Aboveground
Piping Type:	1. Steel/Carbon/ Steel/Iron
Piping External Protection:	0. None
Overfill Prevention:	5. Vent Whistle
Piping Secondary Containment:	0. None
Spill Prevention:	0. None
Dispenser:	2. Suction

B35 **FIRESTONE TIRE & RUBBER CO*** **EDR Hist Auto** **1021261777**
ENE **316 HUGUENOT STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.043 mi.
229 ft. **Site 1 of 12 in cluster B**

Relative: **Higher**

EDR Hist Auto

Actual: **99 ft.**

Year:	Name:	Type:
1985	FIRESTONE TIRE & RUBBER CO*	Auto And Home Supply Stores
1986	FIRESTONE TIRE & RUBBER CO*	Auto And Home Supply Stores
1987	FIRESTONE TIRE	Auto And Home Supply Stores

C36 **STORAGE USA** **NY UST** **U003949850**
South **363 HUGUENOT STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.045 mi.
236 ft. **Site 1 of 6 in cluster C**

Relative: **Higher**

WESTCHESTER CO. UST:

Actual: **92 ft.**

Id/Status:	3-801137 / Administratively Closed
Operator Name:	Narine Nathu
Owner Name:	SUSA Partnership, L.P.
Owner Street:	175 Toyota Plaza
Owner Address2:	Not reported
Owner City:	Memphis
Owner State:	TN
Owner Zipcode:	38103
GDS Number:	Not reported
Tank Number:	1
Status:	3. Closed - Removed
Capacity:	1500
Product Stored:	Not reported
Product Stored Percent:	Not reported
Tank Leak Detection:	0. None
Date Installation:	01/01/1934
Date Perm Closure:	03/15/2004
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	0. None
Tank Secondary Containment:	0. None
Piping Location:	2. Underground/on ground
Piping Type:	1. Steel/Carbon/ steel/iron
Piping External Protection:	0. None
Overfill Prevention:	0. None

STORAGE USA (Continued) **U003949850**

Piping Secondary Containment: Not reported
Spill Prevention: 0. None
Dispenser: 0. None

B37 **SIMONETTI CLEANERS & TAYLORING** **EDR Hist Cleaner** **1020088094**
ESE **62 CENTRE AVE** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.048 mi.
254 ft. **Site 2 of 12 in cluster B**

Relative:
Higher

EDR Hist Cleaner

Actual:
98 ft.

Year:	Name:	Type:
1980	GEM CLEANERS	Drycleaning Plants, Except Rugs
1982	GEM CLEANERS	Drycleaning Plants, Except Rugs
1983	GEM CLEANERS	Drycleaning Plants, Except Rugs
1985	GEM CLEANERS	Drycleaning Plants, Except Rugs
1986	GEM CLEANERS	Drycleaning Plants, Except Rugs
1987	GEM CLEANERS	Drycleaning Plants, Except Rugs
1988	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs
1989	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs
1990	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs
1991	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
1992	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
1993	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
1994	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
1995	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
1996	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
1997	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
1998	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
1999	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
2000	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
2001	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
2002	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
2003	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
2004	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
2005	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
2006	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
2007	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
2008	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
2009	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
2010	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
2011	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
2012	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
2013	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC
2014	SIMONETTI CLEANERS & TAYLORING	Drycleaning Plants, Except Rugs, NEC

B38 **GREEN HEAVEN/CENTRE CLEANERS** **NY DRYCLEANERS** **S106437149**
ESE **62 CENTRE AVE.** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.048 mi.
254 ft. **Site 3 of 12 in cluster B**

Relative:
Higher

Actual:
98 ft.

DRYCLEANERS:

Facility ID:	3-5510-00298
Phone Number:	914-636-5350
Region:	Not reported
Registration Effective Date:	9/24/2003 13:22:51:203
Inspection Date:	11SEP8
Install Date:	88/98
Drop Shop:	Not reported
Shutdown:	Not reported
Alternate Solvent:	DF2000
Current Business:	Not reported

B39 **GREEN HEAVEN CLEANERS** **RCRA-CESQG** **1000338662**
ESE **62 CENTRE STREET** **US AIRS** **NYD982531634**
< 1/8 **NEW ROCHELLE, NY 10801** **FINDS**
0.048 mi. **ECHO**
254 ft. **Site 4 of 12 in cluster B** **NY MANIFEST**

Relative:
Higher

Actual:
98 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	SIMONETTI CLEANERS
Facility address:	62 CENTRE ST NEW ROCHELLE, NY 10801
EPA ID:	NYD982531634
Mailing address:	CENTRE ST NEW ROCHELLE, NY 10801
Contact:	KWANG YUN
Contact address:	CENTRE ST NEW ROCHELLE, NY 10801
Contact country:	US
Contact telephone:	(914) 636-5350
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	KWANG YUN
Owner/operator address:	24 SUMMIT AVE MOUNT VERNON, NY 10550

GREEN HEAVEN CLEANERS (Continued) **1000338662**

Owner/operator country: US
Owner/operator telephone: (914) 665-0274
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: KWANG YUN
Owner/operator address: 24 SUMMIT AVE
MOUNT VERNON, NY 10550
Owner/operator country: US
Owner/operator telephone: (914) 665-0274
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: SIMONETTI CLEANERS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/21/1996
Site name: SIMONETTI CLEANERS
Classification: Small Quantity Generator

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F002

GREEN HEAVEN CLEANERS (Continued) **1000338662**

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

US AIRS MINOR:

Envid:	1000338662
Region Code:	02
Programmatic ID:	AIR 020000003606156000
Facility Registry ID:	110012174805
D and B Number:	Not reported
Primary SIC Code:	7216
NAICS Code:	812320
Default Air Classification Code:	MIN
Facility Type of Ownership Code:	POF
Air CMS Category Code:	Not reported
HPV Status:	Not reported

Envid:	1000338662
Region Code:	02
Programmatic ID:	AIR NY0000003551000298
Facility Registry ID:	110012174805
D and B Number:	Not reported
Primary SIC Code:	7216
NAICS Code:	812320
Default Air Classification Code:	MIN
Facility Type of Ownership Code:	POF
Air CMS Category Code:	Not reported
HPV Status:	Not reported

FINDS:

Registry ID: 110012174805

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

GREEN HEAVEN CLEANERS (Continued) **1000338662**

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

AIR MINOR

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000338662
Registry ID:	110012174805
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110012174805

NY MANIFEST:

Country:	USA
EPA ID:	NYD982531634
Facility Status:	Not reported
Location Address 1:	62 CENTRE AVENUE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10801
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD982531634
Mailing Name:	SIMONETTI CLEANERS
Mailing Contact:	SIMONETTI CLEANERS
Mailing Address 1:	62 CENTRE AVENUE
Mailing Address 2:	Not reported
Mailing City:	NEW ROCHELLE
Mailing State:	NY
Mailing Zip:	10801
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9146365350

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2009
Trans1 State ID:	NJD000664906
Trans2 State ID:	CDX761010010
Generator Ship Date:	01/10/2009
Trans1 Recv Date:	01/10/2009
Trans2 Recv Date:	01/16/2009
TSD Site Recv Date:	01/17/2009

GREEN HEAVEN CLEANERS (Continued) **1000338662**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982531634
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	CDX107000000
TSDF ID 2:	Not reported
Manifest Tracking Number:	004562249JJK
Import Indicator:	N
Export Indicator:	Y
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H020
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	390.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Waste Code:	F002
Waste Code 1_2:	D039
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access
85 additional NY_MANIFEST: record(s) in the EDR Site Report.

B40 **HACKER MORRIS J & SONS INC** **EDR Hist Auto** **1020903179**
ESE **64 CENTRE AVE** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.051 mi.
267 ft. **Site 5 of 12 in cluster B**

Relative:
Higher

EDR Hist Auto

Actual:
98 ft.

Year:	Name:	Type:
1969	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1970	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1971	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1972	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1973	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1974	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1975	HACKER MORRIS J & SONS INC	Gasoline Service Stations

HACKER MORRIS J & SONS INC (Continued) **1020903179**

1976	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1977	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1978	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1979	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1980	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1982	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1983	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1985	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1986	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1987	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1988	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1989	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1990	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1991	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1992	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1993	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1994	HACKER MORRIS J & SONS INC	Gasoline Service Stations
1995	HACKER MORRIS J & SONS INC	General Automotive Repair Shops
1996	HACKER MORRIS J & SONS INC	General Automotive Repair Shops
1997	HACKER MORRIS J & SONS INC	General Automotive Repair Shops
1998	HACKER MORRIS J & SONS INC	General Automotive Repair Shops
1999	HACKER MORRIS J & SONS INC	General Automotive Repair Shops
2000	HACKER MORRIS J & SONS INC	General Automotive Repair Shops
2001	HACKER MORRIS J & SONS INC	General Automotive Repair Shops
2002	MORRIS J HACKER & SONS INC	General Automotive Repair Shops
2003	MORRIS J HACKER & SONS INC	General Automotive Repair Shops
2004	MORRIS J HACKER & SONS INC	General Automotive Repair Shops
2005	MORRIS J HACKER & SONS INC	General Automotive Repair Shops
2006	MORRIS J HACKER & SONS INC	General Automotive Repair Shops
2007	MORRIS J HACKER & SONS INC	General Automotive Repair Shops
2008	MORRIS J HACKER & SONS INC	General Automotive Repair Shops
2009	MORRIS J HACKER & SONS INC	General Automotive Repair Shops
2010	MORRIS J HACKER & SONS INC	General Automotive Repair Shops
2011	MORRIS J HACKER & SONS INC	General Automotive Repair Shops
2012	MORRIS J HACKER & SONS INC	General Automotive Repair Shops
2013	MORRIS J HACKER & SONS INC	General Automotive Repair Shops
2014	MORRIS J HACKER & SONS INC	General Automotive Repair Shops

---

B41 **COMMERCIAL PROPERTY** **NY LTANKS** **S116156733**
ESE **64 CENTRE AVE** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.051 mi.
267 ft. **Site 6 of 12 in cluster B**

Relative:
Higher

Actual:
98 ft.

LTANKS:

Site ID:	489220
Spill Number/Closed Date:	1308480 / 2015-04-28
Spill Date:	2013-11-20
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	6010
Investigator:	RDBENDEL
Referred To:	Not reported
Reported to Dept:	2013-11-20

COMMERCIAL PROPERTY (Continued) **S116156733**

CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2013-11-20
Spill Record Last Update:	2015-05-04
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	64 CENTRE AVE
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	STEVE MANGELS
Spiller Phone:	(914) 632-2610
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	444316
DEC Memo:	"11-20-13: Chris/WCHD call to V.Mc./Dispt.: Closed Unreg. PBS faciliy. Wayne/WCHD to handle. 11/20/2013 1:48:33 PM:: From Chris Lalak to Wayne Schneider via email:: Wayne, Former PBS site 3-137979 Expired in 1992 (removed gasoline tanks) TTF for Underground waste oil tank estimated as a 550 (Ullage leak and they plan to remove the tank.) The Facility is: M. Hacker and Sons. Please get them to register and deal with the TTF jod 04/23/15 HydroEnvironmental Solutions submitted a report documenting the installation of a temporary monitoring well in the location were the LUST was removed. (See report in DecDocs) Trace levels of VOCs & SVOCs in the sample. TG 4-28-15 closed NFA -RDB"
Remarks:	""

Material:

Site ID:	489220
Operable Unit ID:	1238809
Operable Unit:	01
Material ID:	2238759
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

D42 **BONILLE RESIDENCE** **NY Spills** **S109416166**
WSW **25 BARTELS PLACE** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.054 mi.
284 ft. **Site 1 of 5 in cluster D**

Relative:
Lower

Actual:
73 ft.

SPILLS:

Facility ID:	0811390
Facility Type:	ER
DER Facility ID:	156311
Site ID:	408966
DEC Region:	3
Spill Date:	2009-01-15
Spill Number/Closed Date:	0811390 / 2009-03-24
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2009-01-15
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	2009-01-15
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2009-01-15
Spill Record Last Update:	2009-03-24
Spiller Name:	Not reported
Spiller Company:	STRUTTIN RESIDENCE
Spiller Address:	25 BARTELS PLACE
Spiller City,St,Zip:	NEW ROCHELLE, NY
Spiller Company:	999
Contact Name:	CHRIS LALAK
Contact Phone:	(914) 224-7649
DEC Memo:	"WCDOH WILL FOLLOW UP ON CLEAN TOMORROW. 3/24/09: Same spill as 08-10846. Clean up was completed. NFA jod"
Remarks:	"CALLER STATES THAT THERE IS PRODUCT IN THE ARE OF THE FILL PIPE WHICH RAN DOWN THE CURB AND INTO A STORM DRAIN. CLEAN UP IS PENDING."

Material:

Site ID:	408966
Operable Unit ID:	1165471
Operable Unit:	01
Material ID:	2156882
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

BONILLE RESIDENCE (Continued) **S109416166**

Tank Test:

Facility ID:	9002502
Facility Type:	ER
DER Facility ID:	156311
Site ID:	187065
DEC Region:	3
Spill Date:	1990-06-04
Spill Number/Closed Date:	9002502 / 1990-06-05
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. No DEC Response. No corrective action required.
SWIS:	6010
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1990-06-04
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Responsible Party
Cleanup Ceased:	1953-06-18
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1990-06-05
Spill Record Last Update:	2009-01-02
Spiller Name:	Not reported
Spiller Company:	Robison Oil
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY "
Remarks:	"CURBSIDE FILL;FUEL CAME OUT VENT RAN ON GROUND EES RESPONDING"

Material:

Site ID:	187065
Operable Unit ID:	942359
Operable Unit:	01
Material ID:	437246
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	4.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

E43 **75 CENTRE AVENUE LLC** **NY UST** **U004175967**
ESE **75 CENTRE AVENUE** **NY AST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.057 mi.
301 ft. **Site 1 of 15 in cluster E**

Relative:
Higher

Actual:
99 ft.

WESTCHESTER CO. UST:

Id/Status:	3-800240 / Active
Operator Name:	Dino Rentoulis
Owner Name:	John & Dino Rentoulis
Owner Street:	52 North Central Ave.
Owner Address2:	Not reported
Owner City:	Elmsford
Owner State:	NY
Owner Zipcode:	10523
GDS Number:	Not reported
Tank Number:	1
Status:	3. Closed - Removed
Capacity:	2000
Product Stored:	Not reported
Product Stored Percent:	Not reported
Tank Leak Detection:	Not reported
Date Installation:	Not reported
Date Perm Closure:	11/01/2004
Tank Location:	6. Underground, vaulted, with access
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	0. None
Tank Secondary Containment:	0. None
Piping Location:	0. No Pipiing
Piping Type:	1. Steel/Carbon/ steel/iron
Piping External Protection:	0. None
Overfill Prevention:	0. None
Piping Secondary Containment:	Not reported
Spill Prevention:	0. None
Dispenser:	0. None

WESTCHESTER CO. AST:

PBS Number:	3-800240
Site Status:	Active
GDS Number:	Not reported
Operator Name:	Dino Rentoulis
Owner Name:	John & Dino Rentoulis
Owner Street:	52 North Central Ave.
Owner Address2:	Not reported
Owner City/State/Zip:	Elmsford, NY 10523
Tank Number:	002
Status:	1. In-Service
Date Installation:	09/01/2004
Capacity:	1500
Product Stored:	0001. #2 Fuel Oil
Product Stored Percent:	Not reported
Date Perm Closure:	01/01/1900
Tank Location:	1. Aboveground (contact w/ soil)
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	1. Painted/Asphalt Coating

75 CENTRE AVENUE LLC (Continued) **U004175967**

Tank Leak Detection:	6. Impervious Barrier/Concrete Pad (Aboveground Only)
Tank Secondary Containment:	1. Diking (aboveground only)
Piping Location:	3. Aboveground/Underground Combination
Piping Type:	1. Steel/Carbon/ Steel/Iron
Piping External Protection:	0. None
Piping Leak Detection:	Not reported
Piping Secondary Containment:	0. None
Overfill Prevention:	4. Product Level Gauge (Aboveground Only),5. Vent Whistle
Spill Prevention:	1. Catch Basin
Dispenser:	2. Suction

D44 **J B & FRANKS** **RCRA NonGen / NLR** **1000100357**
WSW **27 BARTELS PL** **FINDS** **NYD986884732**
< 1/8 **NEW ROCHELLE, NY 10801** **ECHO**
0.057 mi. **NY MANIFEST**
301 ft. **Site 2 of 5 in cluster D**

Relative:
Lower

Actual:
72 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	J B & FRANKS
Facility address:	27 BARTELS PL NEW ROCHELLE, NY 108016901
EPA ID:	NYD986884732
Mailing address:	BARTELS PL NEW ROCHELLE, NY 10804
Contact:	Not reported
Contact address:	BARTELS PL NEW ROCHELLE, NY 10804
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ANTHONY LANTZ
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	ANTHONY LANTZ
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

J B & FRANKS (Continued) **1000100357**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Historical Generators:
- Date form received by agency: 01/01/2006
- Site name: J B & FRANKS
- Classification: Not a generator, verified

- Date form received by agency: 07/08/1999
- Site name: J B & FRANKS
- Classification: Not a generator, verified

- Date form received by agency: 12/01/1989
- Site name: J B & FRANKS
- Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110004439705

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
- Envid: 1000100357
- Registry ID: 110004439705
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004439705

J B & FRANKS (Continued) **1000100357**

NY MANIFEST:

Country:	USA
EPA ID:	NYD986884732
Facility Status:	Not reported
Location Address 1:	27 BARTELS PLACE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10804
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD986884732
Mailing Name:	J B FRANKS
Mailing Contact:	J B FRANKS
Mailing Address 1:	27 BARTELS PLACE
Mailing Address 2:	Not reported
Mailing City:	NEW ROCHELLE
Mailing State:	NY
Mailing Zip:	10804
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9146360570

NY MANIFEST:

Document ID:	NYA7038792
Manifest Status:	K
seq:	Not reported
Year:	1989
Trans1 State ID:	N23008
Trans2 State ID:	Not reported
Generator Ship Date:	12/06/1989
Trans1 Recv Date:	12/06/1989
Trans2 Recv Date:	/ /
TSD Site Recv Date:	12/07/1989
Part A Recv Date:	01/24/1990
Part B Recv Date:	12/18/1989
Generator EPA ID:	NYD986884732
Trans1 EPA ID:	NYD006801245
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD082785429
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES

J B & FRANKS (Continued) **1000100357**

Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00050
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

F45 **N AMERICAN VAN LINES** **NY Spills** **S102152555**
WNW **NEW ENG THWAY MP5.4SB** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.058 mi.
307 ft. **Site 1 of 3 in cluster F**

Relative:
Lower

Actual:
79 ft.

SPILLS:

Facility ID:	8605124
Facility Type:	ER
DER Facility ID:	118004
Site ID:	137997
DEC Region:	3
Spill Date:	1986-11-11
Spill Number/Closed Date:	8605124 / 1986-11-12
Spill Cause:	Traffic Accident
Spill Class:	Not reported
SWIS:	6010
Investigator:	jeokesso
Referred To:	Not reported
Reported to Dept:	1986-11-11
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Police Department
Cleanup Ceased:	1986-11-12
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1986-11-18
Spill Record Last Update:	2004-09-30
Spiller Name:	Not reported
Spiller Company:	N AMER VAN LINES
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was OKESSON / / : 11/12/86-THRUWAY CREW CLEANED UP. "
Remarks:	""

N AMERICAN VAN LINES (Continued) **S102152555**

Material:

Site ID:	137997
Operable Unit ID:	902332
Operable Unit:	01
Material ID:	474327
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	25.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

B46 **M.J. HACKER & SONS INC.** **NY UST** **U004176847**
East **64 CENTRE AVE** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.059 mi.
311 ft. **Site 7 of 12 in cluster B**

Relative:
Higher

Actual:
100 ft.

WESTCHESTER CO. UST:

Id/Status:	3-137979 / Unregulated
Operator Name:	Steve Mangels
Owner Name:	Steve Mangels
Owner Street:	64 Centre Ave
Owner Address2:	Not reported
Owner City:	New Rochelle
Owner State:	NY
Owner Zipcode:	10801
GDS Number:	Not reported
Tank Number:	001
Status:	3a. Closed - Prior to 04/1991
Capacity:	4000
Product Stored:	0009. Gasoline
Product Stored Percent:	Not reported
Tank Leak Detection:	0. None
Date Installation:	06/01/1973
Date Perm Closure:	01/01/1900
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	0. None
Tank Secondary Containment:	0. None
Piping Location:	Not reported
Piping Type:	2. Galvanized steel
Piping External Protection:	0. None
Overfill Prevention:	0. None
Piping Secondary Containment:	Not reported
Spill Prevention:	0. None
Dispenser:	2. Suction

M.J. HACKER & SONS INC. (Continued) **U004176847**

Tank Number:	002
Status:	3a. Closed - Prior to 04/1991
Capacity:	2000
Product Stored:	0009. Gasoline
Product Stored Percent:	Not reported
Tank Leak Detection:	0. None
Date Installation:	09/01/1980
Date Perm Closure:	01/01/1900
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	0. None
Tank Secondary Containment:	0. None
Piping Location:	Not reported
Piping Type:	2. Galvanized steel
Piping External Protection:	0. None
Overfill Prevention:	0. None
Piping Secondary Containment:	Not reported
Spill Prevention:	0. None
Dispenser:	2. Suction

Tank Number:	003
Status:	8. Unregistered
Capacity:	500
Product Stored:	0022. Waste/Used Oil
Product Stored Percent:	Not reported
Tank Leak Detection:	Not reported
Date Installation:	01/01/1900
Date Perm Closure:	01/01/1900
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	Not reported
Tank External Protection:	Not reported
Tank Secondary Containment:	Not reported
Piping Location:	Not reported
Piping Type:	Not reported
Piping External Protection:	Not reported
Overfill Prevention:	Not reported
Piping Secondary Containment:	Not reported
Spill Prevention:	Not reported
Dispenser:	Not reported

Tank Number:	004
Status:	3. Closed - Removed
Capacity:	750
Product Stored:	0022. Waste/Used Oil
Product Stored Percent:	Not reported
Tank Leak Detection:	Not reported
Date Installation:	01/01/1900
Date Perm Closure:	05/12/2014
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	Not reported
Tank External Protection:	Not reported
Tank Secondary Containment:	Not reported

M.J. HACKER & SONS INC. (Continued) **U004176847**

Piping Location:	Not reported
Piping Type:	Not reported
Piping External Protection:	Not reported
Overfill Prevention:	Not reported
Piping Secondary Containment:	Not reported
Spill Prevention:	Not reported
Dispenser:	Not reported

Tank Number:	005
Status:	3. Closed - Removed
Capacity:	Not reported
Product Stored:	0009. Gasoline
Product Stored Percent:	Not reported
Tank Leak Detection:	0. None
Date Installation:	01/01/1900
Date Perm Closure:	05/14/2014
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	0. None
Tank Secondary Containment:	0. None
Piping Location:	Not reported
Piping Type:	Not reported
Piping External Protection:	0. None
Overfill Prevention:	0. None
Piping Secondary Containment:	0. None
Spill Prevention:	0. None
Dispenser:	Not reported

Tank Number:	4
Status:	3. Closed - Removed
Capacity:	550
Product Stored:	0022. Waste/Used Oil
Product Stored Percent:	Not reported
Tank Leak Detection:	0. None
Date Installation:	06/01/1979
Date Perm Closure:	03/06/2014
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	0. None
Tank Secondary Containment:	0. None
Piping Location:	2. Underground/on Ground
Piping Type:	1. Steel/Carbon/ Steel/Iron
Piping External Protection:	0. None
Overfill Prevention:	0. None
Piping Secondary Containment:	0. None
Spill Prevention:	0. None
Dispenser:	2. Suction

D47 **NEIGHBORS HOUSE** **NY Spills** **S102154768**
WSW **29 BARTELS PLACE** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.061 mi.
321 ft. **Site 3 of 5 in cluster D**

Relative:
Lower

Actual:
69 ft.

SPILLS:

Facility ID:	9311954
Facility Type:	ER
DER Facility ID:	82991
Site ID:	92416
DEC Region:	3
Spill Date:	1994-01-10
Spill Number/Closed Date:	9311954 / 1994-06-02
Spill Cause:	Human Error
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1994-01-10
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Citizen
Cleanup Ceased:	1994-01-14
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1994-01-12
Spill Record Last Update:	2009-01-02
Spiller Name:	Not reported
Spiller Company:	TRO FUEL CO.
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY 06/02/94: SECOND CLEANUP ON 01/14/94. "
Remarks:	"DELIVERYMAN DIDN'T STOP WHEN WHISTLE SOUNDED PEOPERTY COVERED WITH OIL CALLER SAYS HE IS CALLING NEWSPAPER HE IS NOT SATISFIED WITH CLEAN UP TRO FUEL WILL BE BACK TO FURTHER CLEAN UP"

Material:

Site ID:	92416
Operable Unit ID:	993969
Operable Unit:	01
Material ID:	570157
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

NEIGHBORS HOUSE (Continued) **S102154768**

Tank Test:

F48
NNW
< 1/8
0.062 mi.
330 ft.

Relative:
Lower

Actual:
79 ft.

P&D TRANSPORT - HOT TAR **NY Spills** **S106126552**
I-95 NB @ MM 5.4 **N/A**
NEW ROCHELLE, NY

Site 2 of 3 in cluster F

SPILLS:

Facility ID:	0308809
Facility Type:	ER
DER Facility ID:	265298
Site ID:	329742
DEC Region:	3
Spill Date:	2003-11-18
Spill Number/Closed Date:	0308809 / 2003-11-26
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
SWIS:	6010
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	2003-11-18
CID:	270
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Police Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2003-11-18
Spill Record Last Update:	2003-12-02
Spiller Name:	Not reported
Spiller Company:	P&D TRANSPORT
Spiller Address:	171 BROWNSTONE AVE
Spiller City,St,Zip:	PORTLAND, CT 06480-
Spiller Company:	001
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY 11-18-03 P&D Transport trailer carrying 5000 gallons of a hot tar product developed several leaks from seams and holes beneath the trailer. The driver, John Culbreath, pulled the vehicle to the shoulder of I-95 NB at mm 5.4 in New Rochelle. The trailer drained hot tar to the road shoulder where it flowed downhill until it cooled and solidified. Approximatley 200 feet of shoulder where affected before the trailer could be offloaded. DEC called out Castlton Environmental contractors when a company Rep stated that he/she would not sent a second truck to offload the damaged trailer. Castlton contacted Mystic Bulk Carriers and requested their assistance. Mystic provided a heated truck, suitable to offload the cargo and return it to Ownes Corning in Kearny where the load was originally picked up. The P&D damaged trailer was towed off the road to a spot near the

P&D TRANSPORT - HOT TAR (Continued) **S106126552**

I-95 toll plaza. Castlton performed the removal of the solidified tar several days later as they were delayed by heavy rain which created hazardous working conditions on busily traveled I-95. As of 11-18-03, Portland Asphalt indicated that they would pay Caslton directly for the cost of the cleanup. "

Remarks: "material goes into a manhole which leads to a water way. poss hutchinson river. spill not controlled yet. caller req call back from rep"

Material:

Site ID:	329742
Operable Unit ID:	877435
Operable Unit:	01
Material ID:	498725
Material Code:	0018A
Material Name:	tar
Case No.:	Not reported
Material FA:	Other
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

F49 **I-95** **NY Spills** **S102152708**
NNW **I-95EB MP54** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.062 mi.
330 ft. **Site 3 of 3 in cluster F**

Relative:
Lower

Actual:
79 ft.

SPILLS:

Facility ID:	8700158
Facility Type:	ER
DER Facility ID:	105126
Site ID:	121121
DEC Region:	3
Spill Date:	1987-04-07
Spill Number/Closed Date:	8700158 / 1987-04-07
Spill Cause:	Traffic Accident
Spill Class:	Not reported
SWIS:	6010
Investigator:	WEED
Referred To:	Not reported
Reported to Dept:	1987-04-07
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Police Department
Cleanup Ceased:	1987-04-07
Cleanup Meets Std:	True
Last Inspection:	1987-04-07
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1987-04-13

I-95 (Continued) **S102152708**

Spill Record Last Update:	2004-09-30
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	""
Remarks:	""

Material:

Site ID:	121121
Operable Unit ID:	904779
Operable Unit:	01
Material ID:	473726
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

B50 **JONES RESIDENCE** **NY LTANKS** **S106737602**
NE **311 HUGUENOT STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.063 mi.
332 ft. **Site 8 of 12 in cluster B**

Relative:
Higher

Actual:
101 ft.

LTANKS:

Site ID:	335236
Spill Number/Closed Date:	0410335 / 2005-09-11
Spill Date:	2004-12-17
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	6010
Investigator:	JBODee
Referred To:	WCHD
Reported to Dept:	2004-12-17
CID:	444
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2004-12-17
Spill Record Last Update:	2005-09-11

JONES RESIDENCE (Continued) **S106737602**

Spiller Name:	DARRYL JONES
Spiller Company:	JONES RESIDENCE
Spiller Address:	311 HUGENOT STREET
Spiller City,St,Zip:	NEW ROCHELLE, NY
Spiller County:	001
Spiller Contact:	DARRYL JONES
Spiller Phone:	(914) 632-5368
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	270458
DEC Memo:	"12/21/04 PBS FACILITY: 3-801006. jbo September 11, 2005: TANK CLOSED IN PLACE. FIVE SAMPLES TAKEN, NO CONTAMINATION. BASED UPON INFORMATION PROVIDED TO DEC, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jod"
Remarks:	"PBS No: 3-801006 "

Material:

Site ID:	335236
Operable Unit ID:	1097307
Operable Unit:	01
Material ID:	577292
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Site ID:	335236
Spill Tank Test:	1548406
Tank Number:	1
Tank Size:	1500
Test Method:	03
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified:	Not reported
Test Method:	Horner EZ Check I or II

B51 **TRINITY-ST. PAUL'S EPISCOPAL CHURCH** **NY UST** **U003995010**
NE **311 HUGUENOT STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.063 mi.
332 ft. **Site 9 of 12 in cluster B**

Relative:
Higher

Actual:
101 ft.

WESTCHESTER CO. UST:

Id/Status:	3-801006 / Unregulated: <1101 gal. PBS
Operator Name:	Not reported
Owner Name:	Trinity Episcopal Church
Owner Street:	311 Huguenot Street
Owner Address2:	Not reported
Owner City:	New Rochelle

TRINITY-ST. PAUL'S EPISCOPAL CHURCH (Continued) **U003995010**

Owner State:	NY
Owner Zipcode:	10801
GDS Number:	Not reported
Tank Number:	1
Status:	4. Closed - in place
Capacity:	1500
Product Stored:	Not reported
Product Stored Percent:	Not reported
Tank Leak Detection:	0. None
Date Installation:	Not reported
Date Perm Closure:	03/23/2005
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	1. Painted/Asphalt Coating
Tank Secondary Containment:	0. None
Piping Location:	2. Underground/on ground
Piping Type:	10. Copper
Piping External Protection:	0. None
Overfill Prevention:	0. None
Piping Secondary Containment:	Not reported
Spill Prevention:	0. None
Dispenser:	2. Suction

C52 **CON EDISON** **NY MANIFEST** **S117535594**
South **HUGENOT AVE & COLUMBUS AVE** **N/A**
< 1/8 **NEW ROCHELLE, NY 10802**
0.067 mi.
352 ft. **Site 2 of 6 in cluster C**

Relative:
Higher

Actual:
91 ft.

NY MANIFEST:

Country:	USA
EPA ID:	NYP004677621
Facility Status:	Not reported
Location Address 1:	HUGENOT AVE & COLUMBUS AVE
Code:	BP
Location Address 2:	MH 3424
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10802
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004677621
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

CON EDISON (Continued) **S117535594**

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2014
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	10/15/2014
Trans1 Recv Date:	10/15/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/20/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004677621
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012774907JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	50
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

C53 **CON EDISON** **NY MANIFEST** **S117536317**
South **HUGUENOT ST & COLUMBUS AVE** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.067 mi.
352 ft. **Site 3 of 6 in cluster C**

Relative:
Higher

Actual:
91 ft.

NY MANIFEST:

Country:	USA
EPA ID:	NYP004687802
Facility Status:	Not reported
Location Address 1:	HUGUENOT ST & COLUMBUS AVE
Code:	BP
Location Address 2:	MH 3424
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	Not reported
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004687802
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2014
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	10/30/2014
Trans1 Recv Date:	10/30/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/04/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004687802
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012773160JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported

CON EDISON (Continued) **S117536317**

Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	100
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

C54 **CON EDISON** **NY MANIFEST** **S117535600**
South **HUGENOT ST & COLUMBUS AVE** **N/A**
< 1/8 **NEW ROCHELLE, NY 10802**
0.067 mi.
352 ft. **Site 4 of 6 in cluster C**

Relative:
Higher

Actual:
91 ft.

NY MANIFEST:

Country:	USA
EPA ID:	NYP004677837
Facility Status:	Not reported
Location Address 1:	HUGENOT ST & COLUMBUS AVE
Code:	BP
Location Address 2:	MH 3424
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10802
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004677837
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

CON EDISON (Continued) **S117535600**

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2014
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	10/15/2014
Trans1 Recv Date:	10/15/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/20/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004677837
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012774864JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	200
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

E55
ESE
< 1/8
0.068 mi.
360 ft.

COCO RESIDENCE
81 CENTRE AVE
NEW ROCHELLE, NY

Site 2 of 15 in cluster E

NY LTANKS **S106123934**
N/A

Relative:
Higher

Actual:
101 ft.

LTANKS:

Site ID:	313391
Spill Number/Closed Date:	0311339 / 2005-01-10
Spill Date:	2004-01-07
Spill Cause:	Tank Test Failure
Spill Source:	Non Major Facility > 1,100 gal
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	6010
Investigator:	WCHD
Referred To:	WESTCHESTER CNTY HEALTH D
Reported to Dept:	2004-01-07
CID:	403
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2004-01-07
Spill Record Last Update:	2005-01-10
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	ED COCO
Spiller Phone:	(914) 961-8200
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	252696
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was WCHD-JACKSON 01/10/05: Letter to Edward D. Coco, Centre-Main Associates from Danielle Jackson dated 9Feb2004(?). WCDOH requires NFA at this time."
Remarks:	"Failed test. Unknown if the tank is leaking"

Material:

Site ID:	313391
Operable Unit ID:	878986
Operable Unit:	01
Material ID:	500153
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

COCO RESIDENCE (Continued) **S106123934**

Tank Test:

Site ID:	313391
Spill Tank Test:	1528899
Tank Number:	1
Tank Size:	2000
Test Method:	03
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	Not reported
Test Method:	Horner EZ Check I or II

G56 **RUSH MFG CORP** **RCRA NonGen / NLR** **1000238316**
SSW **18 COLUMBUS AVE.** **FINDS** **NYD981185051**
< 1/8 **NEW ROCHELLE, NY 10801** **ECHO**
0.070 mi. **NY MANIFEST**
368 ft. **Site 1 of 2 in cluster G**

Relative:
Lower

Actual:
79 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	RUSH MFG CORP
Facility address:	18 COLUMBUS AVE NEW ROCHELLE, NY 10801
EPA ID:	NYD981185051
Mailing address:	HUGUENOT ST NEW ROCHELLE, NY 10801
Contact:	DENNIS MCNAMARA
Contact address:	HUGUENOT ST NEW ROCHELLE, NY 10801
Contact country:	US
Contact telephone:	(914) 636-2700
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MATTHEW RUSH
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	MATTHEW RUSH
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

RUSH MFG CORP (Continued) **1000238316**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Historical Generators:
- Date form received by agency: 01/01/2006
- Site name: RUSH MFG CORP
- Classification: Not a generator, verified

- Date form received by agency: 03/03/1986
- Site name: RUSH MFG CORP
- Classification: Small Quantity Generator

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Violation Status: No violations found

FINDS:

Registry ID: 110002092967

Environmental Interest/Information System

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
- Envid: 1000238316
- Registry ID: 110002092967
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002092967

RUSH MFG CORP (Continued) **1000238316**

NY MANIFEST:

Country:	USA
EPA ID:	NYD981185051
Facility Status:	Not reported
Location Address 1:	381 HUGUENOT STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10801
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD981185051
Mailing Name:	RUSH MANUFACTURING CORPORATION
Mailing Contact:	RUSH MANUFACTURING CORPORATION
Mailing Address 1:	381 HUGUENOT STREET
Mailing Address 2:	Not reported
Mailing City:	NEW ROCHELLE
Mailing State:	NY
Mailing Zip:	10801
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9142362700

NY MANIFEST:

Document ID:	NJA2751945
Manifest Status:	C
seq:	Not reported
Year:	1997
Trans1 State ID:	2809
Trans2 State ID:	Not reported
Generator Ship Date:	12/30/1997
Trans1 Recv Date:	12/30/1997
Trans2 Recv Date:	/ /
TSD Site Recv Date:	12/30/1997
Part A Recv Date:	01/15/1998
Part B Recv Date:	01/20/1998
Generator EPA ID:	NYD981185051
Trans1 EPA ID:	NJD002454544
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002454544
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	F001 - UNKNOWN

RUSH MFG CORP (Continued) **1000238316**

Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00050
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
36 additional NY_MANIFEST: record(s) in the EDR Site Report.

D57 **CON EDISON** **RCRA NonGen / NLR** **1014398214**
WSW **35 BARTELS PL** **NY MANIFEST** **NYP004205654**
< 1/8 **NEW ROCHELLE, NY 10805**
0.070 mi.
370 ft. **Site 4 of 5 in cluster D**

Relative:
Lower

Actual:
67 ft.

RCRA NonGen / NLR:

Date form received by agency:	03/05/2015
Facility name:	CON EDISON
Facility address:	35 BARTELS PL NEW ROCHELLE, NY 10805
EPA ID:	NYP004205654
Mailing address:	IRVING PL, 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

CON EDISON (Continued) **1014398214**

Historical Generators:
Date form received by agency: 03/05/2015
Site name: CON EDISON
Classification: Large Quantity Generator

Violation Status: No violations found

NY MANIFEST:
Country: USA
EPA ID: NYP004205654
Facility Status: Not reported
Location Address 1: 35 BARTELS PLACE
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: NEW ROCHELLE
Location State: NY
Location Zip: 10801
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004205654
Mailing Name: CONSOLIDATED EDISON
Mailing Contact: TOM TEELING
Mailing Address 1: 4 IRVING PLACE RM 828
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124603770

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2010
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported
Generator Ship Date: 04/19/2010
Trans1 Recv Date: 04/19/2010
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/19/2010
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004205654
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID 1: NYD000705939
TSDF ID 2: Not reported
Manifest Tracking Number: 002012659FLE
Import Indicator: N
Export Indicator: N
Discr Quantity Indicator: N
Discr Type Indicator: N
Discr Residue Indicator: N

CON EDISON (Continued) **1014398214**

Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H135
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	15.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Waste Code:	D018
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

D58 **CON EDISON** **NY MANIFEST** **S117741191**
WSW **35 BARTELS PL** **N/A**
< 1/8 **NEW ROCHELLE, NY 10805**
0.070 mi.
370 ft. **Site 5 of 5 in cluster D**

Relative:
Lower

Actual:
67 ft.

NY MANIFEST:

Country:	USA
EPA ID:	NYP004744074
Facility Status:	Not reported
Location Address 1:	35 BARTELS PL
Code:	BP
Location Address 2:	DRIP WATER
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10805
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004744074
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported

CON EDISON (Continued) **S117741191**

Mailing Country: USA
Mailing Phone: Not reported

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2015
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported
Generator Ship Date: 03/28/2015
Trans1 Recv Date: 03/28/2015
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/30/2015
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004744074
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID 1: NYD000705939
TSDF ID 2: Not reported
Manifest Tracking Number: 008683680FLE
Import Indicator: N
Export Indicator: N
Discr Quantity Indicator: N
Discr Type Indicator: N
Discr Residue Indicator: N
Discr Partial Reject Indicator: N
Discr Full Reject Indicator: N
Manifest Ref Number: Not reported
Alt Facility RCRA ID: Not reported
Alt Facility Sign Date: Not reported
MGMT Method Type Code: H135
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Quantity: 1
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 1
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Waste Code: D018
Waste Code 1_2: Not reported
Waste Code 1_3: Not reported
Waste Code 1_4: Not reported
Waste Code 1_5: Not reported
Waste Code 1_6: Not reported

Click this hyperlink while viewing on your computer to access
20 additional NY_MANIFEST: record(s) in the EDR Site Report.

B59 **306 HUGUENOT STREET CORP.** **NY AST** **U004187406**
ENE **306 HUGUENOT STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.071 mi.
374 ft. **Site 10 of 12 in cluster B**

Relative:
Higher

Actual:
102 ft.

WESTCHESTER CO. AST:

PBS Number:	3-800236
Site Status:	Active
GDS Number:	Not reported
Operator Name:	Gary Garafolo
Owner Name:	306 Huguenot Street Corp.
Owner Street:	P.O. Box 196
Owner Address2:	Not reported
Owner City/State/Zip:	Katonah, NY 10536
Tank Number:	001
Status:	1. In-Service
Date Installation:	12/01/1986
Capacity:	1500
Product Stored:	0001. #2 Fuel Oil
Product Stored Percent:	Not reported
Date Perm Closure:	01/01/1900
Tank Location:	3. Aboveground on saddles,legs,stilts,racks or cradle
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	1. Painted/Asphalt Coating
Tank Leak Detection:	0. None
Tank Secondary Containment:	2. Vault (w/ access)
Piping Location:	1. Aboveground
Piping Type:	1. Steel/Carbon/ Steel/Iron
Piping External Protection:	1. Painted/Asphalt Coating
Piping Leak Detection:	Not reported
Piping Secondary Containment:	Not reported
Overfill Prevention:	1. Float Vent Valve
Spill Prevention:	Not reported
Dispenser:	3. Gravity

B60 **CERUSSI AND VERE** **NY UST** **U004187246**
ENE **306 HUGUENOT ST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.071 mi.
374 ft. **Site 11 of 12 in cluster B**

Relative:
Higher

Actual:
102 ft.

WESTCHESTER CO. UST:

Id/Status:	3-078360 / Administratively Closed
Operator Name:	Not reported
Owner Name:	Michael A Cerussi & F G Vere
Owner Street:	88 Woodlands Rd
Owner Address2:	Not reported
Owner City:	Harrison
Owner State:	NY
Owner Zipcode:	10528
GDS Number:	Not reported
Tank Number:	1
Status:	0. Administratively closed
Capacity:	1500
Product Stored:	Not reported
Product Stored Percent:	Not reported

CERUSSI AND VERE (Continued) **U004187246**

Tank Leak Detection:	0. None
Date Installation:	12/01/1986
Date Perm Closure:	12/01/2001
Tank Location:	Not reported
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	0. None
Tank Secondary Containment:	Not reported
Piping Location:	1. Aboveground
Piping Type:	1. Steel/Carbon/ steel/iron
Piping External Protection:	0. None
Overfill Prevention:	0. None
Piping Secondary Containment:	Not reported
Spill Prevention:	0. None
Dispenser:	3. Gravity

E61 **MISR REALTY, LLC** **NY AST** **U004176186**
SE **573-579 MAIN STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.078 mi.
412 ft. **Site 3 of 15 in cluster E**

Relative:
Higher

Actual:
100 ft.

WESTCHESTER CO. AST:

PBS Number:	3-800238
Site Status:	Active
GDS Number:	Not reported
Operator Name:	Pedro Benoit
Owner Name:	MISR Realty LLC
Owner Street:	542 Main Street, 4th Floor
Owner Address2:	Not reported
Owner City/State/Zip:	New Rochelle, NY 10801
Tank Number:	001
Status:	1. In-Service
Date Installation:	09/01/2004
Capacity:	2000
Product Stored:	0001. #2 Fuel Oil
Product Stored Percent:	Not reported
Date Perm Closure:	01/01/1900
Tank Location:	6. Aboveground in subterranean vault with access for inspections
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	1. Painted/Asphalt Coating,99. Other
Tank Leak Detection:	0. None
Tank Secondary Containment:	0. None
Piping Location:	1. Aboveground
Piping Type:	1. Steel/Carbon/ steel/iron
Piping External Protection:	0. None
Piping Leak Detection:	0. None
Piping Secondary Containment:	0. None
Overfill Prevention:	4. Product Level Gauge (Aboveground Only),5. Vent Whistle
Spill Prevention:	0. None
Dispenser:	2. Suction

B62
NE
< 1/8
0.078 mi.
413 ft.

SHORELINE OIL
296 HUGENOT ST,REAR OF
NEW ROCHELLE, NY

Site 12 of 12 in cluster B

NY LTANKS **S102674768**
N/A

Relative:
Higher

Actual:
101 ft.

LTANKS:

Site ID:	83347
Spill Number/Closed Date:	8709425 / 1988-04-06
Spill Date:	1988-02-03
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Not reported
Cleanup Ceased:	1988-04-06
Cleanup Meets Standard:	True
SWIS:	6010
Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	1988-02-05
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Citizen
Last Inspection:	1988-05-02
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1988-02-10
Spill Record Last Update:	1988-05-05
Spiller Name:	Not reported
Spiller Company:	SHORELINE OIL
Spiller Address:	34 EVANS ST
Spiller City,St,Zip:	NEW ROCHELLE, NY 10805
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	76706
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TRAVER / / : SITE INSPECT:NO EVIDENCE OF CONTAMINATION FROM OUTSIDE LOCKED GATE. N.F.A. T.D. 05/03/88: NO EVIDENCE OF CONTAMINATION OBSERVED DURING INSPECTION. NFA. "
Remarks:	"OIL INTO PRIVATE DRAIN, TO SUMP,TO SEWER,FROM CAPT.O'CONNOR NRFD(914-654-2215). COMPANY CLEANING UP. DEC TO INVESIGATE & VERIFY CLEAN UP. N.F.A. SEE UPDATE."

Material:

Site ID:	83347
Operable Unit ID:	914524
Operable Unit:	01
Material ID:	464747
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported

SHORELINE OIL (Continued) **S102674768**

Oxygenate: Not reported

Tank Test:

C63 **THE HUGUENOT** **NY BROWNFIELDS** **S120706214**
South **381-393 HUGUENOT STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.084 mi.
442 ft. **Site 5 of 6 in cluster C**

Relative:
Lower

Actual:
90 ft.

BROWNFIELDS:

Program:	BCP
Site Code:	544502
Acres:	Not reported
HW Code:	C360157
SWIS:	6010
Town:	New Rochelle (c)
Record Added Date:	03/29/2017
Record Updated Date:	05/01/2017
Update By:	GWHEITZM
Site Description:	LOCATION: The Site is located at 381-393 Huguenot Street, in an urban area in New Rochelle, New York. The Site is bound to the north by a vacant store (first floor) with residential above; to the south by a three-story residential apartment building and a one-story residential building; to the east by Huguenot Street and beyond by a Gulf labeled gasoline filling station; and to the west by an office building/warehouse. SITE FEATURES: The Subject Property consists of these (3) irregular shaped parcels totaling approximately 0.39 acres. The property currently maintains two structures. Lot 7 currently maintains an irregular shaped one-story building (with partial basement), with an approximate footprint of 3,400-square feet. This building is currently utilized for office and storage space associated with a U-Haul business, a real-estate firm, and a janitorial supply business. The first floor of the buildings maintained on Lots 3A and 4 house a church ministry, with the second floors occupied by one residential unit in each. The basement on Lot 4 is occupied by a hydraulic repair business. CURRENT ZONING AND LAND USE: The Site is currently utilized for mixed commercial and residential uses. The surrounding parcels are currently utilized for mixed commercial and residential uses. The Site is located within the City of New Rochelle s recently designated Downtown Overlay Zone (DOZ). The DOZ is part of a new zoning plan adopted in 2015 to re-establish the downtown as a center of vibrancy within a mixed-use, transit oriented setting. The characteristics of the Site allow a building of up to six stories, with the provision by the developer of a community benefit. Past Use of the Site: The northern portion of the Site (Lots 3A and 4 at 381 and 383 Huguenot Street) has been utilized for dry cleaning services circa 1931, and for manufacturing since the 1970s to 2010s. The potential source of contamination in this area includes former dry cleaning operations and the former fuel oil USTs. The central portion of the Site (385 & 387 Huguenot)has maintained a residential dwelling circa 1931, and as truck and trailer parking since 1990s. The potential source of contamination in this area includes a former fuel oil UST, which was removed prior to 1997. The southern portion of the Site (Lots 5 and 7 at 391 and 393 Huguenot)has maintained a gasoline filling station from 1930s to

THE HUGUENOT (Continued) **S120706214**

	1950s, and then as car wash and warehouse from 1970s to 2010s. The potential source of contamination in this area includes former gasoline USTs and car wash operation. In addition, urban fill material was detected throughout the site. Site Geology and Hydrogeology: Per the United State Department of Agriculture (USDA) Natural Resources Conservation Service, the soil at the Subject Property is classified as Uh-Urban. Actual soil conditions observed during the Phase II ESA and the SSI field activities revealed that the subsurface soil consists of dark to brown medium to coarse sand from grade to 10 feet below. Groundwater was encountered at approximately 6 to 8 feet below grade. Site-specific groundwater flow direction is towards northwest.
Env Problem:	Information submitted with the BCP application regarding the environmental condition at the site are currently under review and will be revised as additional information becomes available.
Health Problem:	Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Larry Sheldon
Owner Company:	New Rochelle Public Library
Owner Address:	One Library Plaza
Owner Addr2:	Not reported
Owner City,St,Zip:	New Rochelle, NY 10801
Owner Country:	United States of America
Own Op:	Applicant/Requestor
Sub Type:	P03
Owner Name:	Frank Chechile
Owner Company:	381-383 Huguenot LLC
Owner Address:	11604 luvie Ct.
Owner Addr2:	Not reported
Owner City,St,Zip:	Potamac, MD 20854
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

C64 **RUSH MANUFACTURING** **NY Spills** **S102241802**
South **381 HUGUENOT STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.084 mi.
442 ft. **Site 6 of 6 in cluster C**

Relative:
Lower

Actual:
90 ft.

SPILLS:

Facility ID:	9604099
Facility Type:	ER
DER Facility ID:	105154
Site ID:	121152
DEC Region:	3
Spill Date:	1996-06-06
Spill Number/Closed Date:	9604099 / Not Reported
Spill Cause:	Housekeeping
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1996-06-25
CID:	266
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	4
Date Entered In Computer:	1996-06-25
Spill Record Last Update:	2016-05-16
Spiller Name:	TOM RUSH
Spiller Company:	RUSH MANUFACTURING
Spiller Address:	381 HUGUENOT STREET
Spiller City,St,Zip:	NEW ROCHELLE, NY 10801-
Spiller Company:	001
Contact Name:	TOM RUSH
Contact Phone:	(914) 762-2276
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY 10/16/15 Call received from George Wang from YU & Associates, Elmwood Park NJ (201)773-9524. His company is performing a Phase I & II on the site. He will send the Phase II report when it is complete. TG 5/16/16: Call to spill dispatch desk. Caller id from Duke Energy (?) 713-627-5505, consultant for a bank, requesting contact information for the DEC case manager. jod 05/16/16 The following email was received: Dear Mr. Ghiosay, This is Wenqing Fang with Cider Environmental. We represent the owner of 381 Huguenot Street, New Rochelle, NY. The property has an active NYSDEC Spill case (No. 9604099), and is slated for redevelopment. It is our intention to work with the DEC to achieve closure during the site redevelopment. The first step is to develop a Remedial Action Work Plan (RAWP) with DEC approval within 3 months. We recently performed Phase I/II ESA at the site. The Phase I/II reports and the proposed site redevelopment plan are available upon request. Looking forward to working with you on this project. Regards, Wenqing _____ Wenqing Fang, P.E. - Principal - Cider Environmental, LLC. 6268 Jericho Turnpike, Suite

RUSH MANUFACTURING (Continued) **S102241802**

12, Commack, NY 11725 T: (631) 616-4000 - C: (631) 790-3338 - F: (631) 980-7972 - E: wfang@ciderenvironmental.com www.ciderenvironmental.com "

Remarks: "PHASE 2 SITE ASSESSMENT. FOUND SOIL CONTAMINATION AND GROUNDWATER CONTAMINATION. APPEARS GROUNDWATER CONTAMINATION IS BELOW ACTION LIMITS. UNSURE IF IT'S FROM A FUEL OIL LINE ON THE PROPERTY OR A LEAK FROM ADJACENT PROPERTY. FUEL OIL LINE TO BE EXCAVATED AND CHECKED . FURTHER ACTION TO FOLLOW FROM THERE."

Material:

Site ID:	121152
Operable Unit ID:	1035221
Operable Unit:	01
Material ID:	350384
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

E65 **CENTRE-MAIN ASSOCIATES** **NY LTANKS** **S106123770**
SE **75 - 77 CENTER AVE** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.086 mi.
456 ft. **Site 4 of 15 in cluster E**

Relative:
Higher

Actual:
100 ft.

LTANKS:

Site ID:	149369
Spill Number/Closed Date:	0311823 / 2004-12-30
Spill Date:	2004-01-21
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	6010
Investigator:	WCHD
Referred To:	WESTCHESTER CNTY HEALTH D
Reported to Dept:	2004-01-21
CID:	44
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2004-01-21
Spill Record Last Update:	2005-01-10
Spiller Name:	ED
Spiller Company:	Not reported

CENTRE-MAIN ASSOCIATES (Continued) **S106123770**

Spiller Address:	75 - 77 CENTER AVE
Spiller City,St,Zip:	NEW ROCHELLE, NY
Spiller County:	001
Spiller Contact:	ED
Spiller Phone:	(914) 961-8200
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	127066
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was WCHD-JACKSON 1/10/05: Letter to Edward D. Coco, Centre-Main Associates from Danielle Jackson, WCDOH dated 30Dec2004. WCDOH requires NFA at this time."
Remarks:	"recommend, uncover repair and retest. Tank is bolted in basement."

Material:

Site ID:	149369
Operable Unit ID:	877137
Operable Unit:	01
Material ID:	497066
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Site ID:	149369
Spill Tank Test:	1528926
Tank Number:	1
Tank Size:	2000
Test Method:	03
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	Not reported
Test Method:	Horner EZ Check I or II

E66 **MISR REALTY, LLC** **NY UST** **U004259541**
SE **573-579 MAIN STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.089 mi.
469 ft. **Site 5 of 15 in cluster E**

Relative:
Higher

Actual:
100 ft.

WESTCHESTER CO. UST:

Id/Status:	3-800238 / Active
Operator Name:	Pedro Benoit
Owner Name:	MISR Realty LLC
Owner Street:	542 Main Street, 4th Floor
Owner Address2:	Not reported
Owner City:	New Rochelle
Owner State:	NY
Owner Zipcode:	10801

MISR REALTY, LLC (Continued) **U004259541**

GDS Number:	Not reported
Tank Number:	1
Status:	3. Closed - Removed
Capacity:	2000
Product Stored:	Not reported
Product Stored Percent:	Not reported
Tank Leak Detection:	Not reported
Date Installation:	Not reported
Date Perm Closure:	11/01/2004
Tank Location:	6. Underground, vaulted, with access
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	0. None
Tank Secondary Containment:	0. None
Piping Location:	0. No Pipiing
Piping Type:	1. Steel/Carbon/ steel/iron
Piping External Protection:	0. None
Overfill Prevention:	0. None
Piping Secondary Containment:	Not reported
Spill Prevention:	0. None
Dispenser:	0. None

H67 **CON EDISON TRANSFORMER MANHOLE: 5365** **RCRA NonGen / NLR** **1016972665**
SSE **595 MAIN ST** **NY MANIFEST** **NYP004464459**
< 1/8 **NEW ROCHELLE, NY 10804**
0.092 mi.
484 ft. **Site 1 of 12 in cluster H**

Relative:
Higher

Actual:
93 ft.

RCRA NonGen / NLR:

Date form received by agency:	04/12/2014
Facility name:	CON EDISON TRANSFORMER MANHOLE: 5365
Facility address:	595 MAIN ST NEW ROCHELLE, NY 10804
EPA ID:	NYP004464459
Mailing address:	IRVING PL, 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No

CON EDISON TRANSFORMER MANHOLE: 5365 (Continued) **1016972665**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/12/2014
Site name: CON EDISON TRANSFORMER MANHOLE: 5365
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
Country: USA
EPA ID: NYP004464459
Facility Status: Not reported
Location Address 1: 595 MAIN ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: NEW ROCHELLE
Location State: NY
Location Zip: 10804
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004464459
Mailing Name: CON EDISON
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING ST
Mailing Address 2: 15TH ST
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: Not reported

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2014
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 03/12/2014
Trans1 Recv Date: 03/12/2014
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/12/2014
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004464459
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID 1: NJD002200046

CON EDISON TRANSFORMER MANHOLE: 5365 (Continued) **1016972665**

TSDF ID 2:	Not reported
Manifest Tracking Number:	012771156JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	8000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

E68 **CON EDISON** **NY MANIFEST** **S117318285**
SE **MAIN ST & CENTRE ST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.093 mi.
490 ft. **Site 6 of 15 in cluster E**

Relative:
Higher

Actual:
100 ft.

NY MANIFEST:

Country:	USA
EPA ID:	NYP004658019
Facility Status:	Not reported
Location Address 1:	MAIN ST & CENTRE ST
Code:	BP
Location Address 2:	MH734
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10801
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004658019
Mailing Name:	CON EDISON

CON EDISON (Continued) **S117318285**

Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2014
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	09/16/2014
Trans1 Recv Date:	09/16/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/19/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004658019
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012771786JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	50
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported

CON EDISON (Continued) **S117318285**

Waste Code 1_6: Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

E69 **CON EDISON** **RCRA NonGen / NLR** **1019901339**
SE **CENTRE & MAIN ST** **FINDS** **NYP004760815**
< 1/8 **NEW ROCHELLE, NY 10801** **ECHO**
0.093 mi.
490 ft. **Site 7 of 15 in cluster E**

Relative: Higher

Actual: 100 ft.

RCRA NonGen / NLR:
Date form received by agency: 03/31/2015
Facility name: CON EDISON
Facility address: CENTRE & MAIN ST
NEW ROCHELLE, NY 10801
EPA ID: NYP004760815
Mailing address: IRVING PL 15TH FL NE
NEW YORK, NY 10003
Contact: THOMAS TEELING
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (212) 460-3770
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/31/2015
Site name: CON EDISON
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110069701530

CON EDISON (Continued) **1019901339**

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1019901339
Registry ID: 110069701530
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110069701530

E70 **CON EDISON TRANSFORMER MANHOLE: 2750** **RCRA NonGen / NLR** **1016677840**
SE **CENTRE AVE & MAIN ST** **FINDS** **NYP004315198**
< 1/8 **NEW ROCHELLE, NY 10801** **ECHO**
0.093 mi. **NY MANIFEST**
490 ft. **Site 8 of 15 in cluster E**

Relative:
Higher

Actual:
100 ft.

RCRA NonGen / NLR:
Date form received by agency: 06/21/2013
Facility name: CON EDISON TRANSFORMER MANHOLE: 2750
Facility address: CENTRE AVE & MAIN ST
NEW ROCHELLE, NY 10801
EPA ID: NYP004315198
Mailing address: VING PL, RM 828
NEW YORK, NY 10003
Contact: DENNIS ROHRER
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (914) 925-6219
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

CON EDISON TRANSFORMER MANHOLE: 2750 (Continued) **1016677840**

Historical Generators:
Date form received by agency: 05/21/2013
Site name: CON EDISON TRANSFORMER MANHOLE: 2750
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110058871369

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1016677840
Registry ID: 110058871369
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110058871369

NY MANIFEST:
Country: USA
EPA ID: NYP004315198
Facility Status: Not reported
Location Address 1: CENTRE ST & MAIN
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: NEW ROCHELLE
Location State: NY
Location Zip: 10801
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004315198
Mailing Name: CON EDISON
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING PLACE 15TH FLOOR
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124603770

NY MANIFEST:
Document ID: Not reported

CON EDISON TRANSFORMER MANHOLE: 2750 (Continued) **1016677840**

Manifest Status:	Not reported
seq:	Not reported
Year:	2013
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	05/21/2013
Trans1 Recv Date:	05/21/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/28/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004315198
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	007019053JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	300
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

E71 **CON EDISON** **NJ MANIFEST** **S120669849**
SE **CENTRE & MAIN ST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.093 mi.
490 ft. **Site 9 of 15 in cluster E**

Relative:
Higher

Actual:
100 ft.

NJ MANIFEST:

EPA Id:	NYP004760815
Mail Address:	IRVING PL 15TH FL NE
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	THOMAS TEELING
Comments:	Not reported
SIC Code:	Not reported
County:	NY119
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	014091694JJK
EPA ID:	NYP004760815
Date Shipped:	3/31/2015
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NYD006982359
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported

CON EDISON (Continued) **S120669849**

Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

E72 **CON ED** **NY MANIFEST** **S119074042**
SE **CENTRE & MAIN ST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.093 mi.
490 ft. **Site 10 of 15 in cluster E**

Relative:
Higher

Actual:
100 ft.

NY MANIFEST:

Country:	USA
EPA ID:	NYP004760815
Facility Status:	Not reported
Location Address 1:	CENTRE AVE & MAIN ST
Code:	BP
Location Address 2:	TM 2750
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10801
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004760815
Mailing Name:	CON ED
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2015
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	03/31/2015
Trans1 Recv Date:	03/31/2015
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/01/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004760815
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported

CON ED (Continued) **S119074042**

Manifest Tracking Number:	014091694JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access
2 additional NY_MANIFEST: record(s) in the EDR Site Report.

E73 **CON EDISON** **RCRA NonGen / NLR** **1019909012**
ESE **565 MAIN ST** **NYP004880023**
< 1/8 **NEW ROCHELLE, NY 10801**
0.095 mi.
503 ft. **Site 11 of 15 in cluster E**

Relative:
Higher

Actual:
101 ft.

RCRA NonGen / NLR:

Date form received by agency:	12/16/2015
Facility name:	CON EDISON
Facility address:	565 MAIN ST NEW ROCHELLE, NY 10801
EPA ID:	NYP004880023
Mailing address:	IRVING PL 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

CON EDISON (Continued) **1019909012**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Historical Generators:
- Date form received by agency: 12/16/2015
- Site name: CON EDISON
- Classification: Small Quantity Generator

Violation Status: No violations found

E74 **CON EDISON** **NJ MANIFEST** **S120678194**
ESE **565 MAIN ST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.095 mi.
503 ft. **Site 12 of 15 in cluster E**

Relative:
Higher

Actual:
101 ft.

NJ MANIFEST:
- EPA Id: NYP004880023
- Mail Address: IRVING PL 15TH FL NE
- Mail City/State/Zip: NEW YORK, NY 10003
- Facility Phone: Not reported
- Emergency Phone: Not reported
- Contact: THOMAS TEELING
- Comments: Not reported
- SIC Code: Not reported
- County: NY119
- Municipal: Not reported
- Previous EPA Id: Not reported
- Gen Flag: Not reported
- Trans Flag: Not reported
- TSDF Flag: Not reported
- Name Change: Not reported
- Date Change: Not reported

Manifest:
- Manifest Number: 015319281JJK
- EPA ID: NYP004880023
- Date Shipped: 12/16/2015
- TSDF EPA ID: NJD002200046
- Transporter EPA ID: NYD006982359
- Transporter 2 EPA ID: Not reported
- Transporter 3 EPA ID: Not reported
- Transporter 4 EPA ID: Not reported
- Transporter 5 EPA ID: Not reported

CON EDISON (Continued) **S120678194**

Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

H75 **NAUNA THERESA REST.** **NY Spills** **S102151778**
SSE **599 MAIN ST** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.095 mi.
504 ft. **Site 2 of 12 in cluster H**

Relative:
Higher

Actual:
91 ft.

SPILLS:

Facility ID:	9711794
Facility Type:	ER
DER Facility ID:	85968
Site ID:	96160
DEC Region:	3
Spill Date:	1998-01-21
Spill Number/Closed Date:	9711794 / 1998-01-21
Spill Cause:	Human Error
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1998-01-21
CID:	322
Water Affected:	Not reported
Spill Source:	Commercial Vehicle

NAUNA THERESA REST. (Continued) **S102151778**

Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-01-21
Spill Record Last Update:	2003-05-28
Spiller Name:	JOANN
Spiller Company:	SHORE LINE OIL COMPANY
Spiller Address:	685 SOUTH THIRD AVE
Spiller City,St,Zip:	MOUNT VERNON, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY 01/21/98 SEE SPILL 3 9711809; TRI-STATE HAS BEEN HIRED TO CLEANUP Administratively Closed. jbo"
Remarks:	"driver delivered oil to wrong address - rest. never capped fill line - spill into the basement "

Material:

Site ID:	96160
Operable Unit ID:	1058195
Operable Unit:	01
Material ID:	326437
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Facility ID:	9711809
Facility Type:	ER
DER Facility ID:	85968
Site ID:	96161
DEC Region:	3
Spill Date:	1998-01-20
Spill Number/Closed Date:	9711809 / 1998-01-21
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1998-01-21
CID:	270
Water Affected:	Not reported
Spill Source:	Private Dwelling

NAUNA THERESA REST. (Continued) **S102151778**

Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-01-21
Spill Record Last Update:	2004-02-24
Spiller Name:	Not reported
Spiller Company:	SHORE LINE FUEL COMPANY
Spiller Address:	94 1ST ST
Spiller City,St,Zip:	NEW ROCHELLE, NY
Spiller Company:	001
Contact Name:	FRANK ORLANDO
Contact Phone:	(914) 632-9300
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY 01/21/98 SEE SPILL #9711794;"
Remarks:	"CALLER STATES THA DRIVER DELIVERED TO A FUEL LINE THAT WAS NOT CONNECTED TO A TANK."

Material:

Site ID:	96161
Operable Unit ID:	1054569
Operable Unit:	01
Material ID:	326448
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	25.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Facility ID:	9111511
Facility Type:	ER
DER Facility ID:	70036
Site ID:	74696
DEC Region:	3
Spill Date:	1992-02-03
Spill Number/Closed Date:	9111511 / 1992-03-10
Spill Cause:	Human Error
Spill Class:	Not reported
SWIS:	6010
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1992-02-07
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Responsible Party
Cleanup Ceased:	1992-02-10

NAUNA THERESA REST. (Continued) **S102151778**

Cleanup Meets Std:	True
Last Inspection:	1992-02-10
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1992-02-19
Spill Record Last Update:	1992-03-10
Spiller Name:	Not reported
Spiller Company:	SHORELINE OIL
Spiller Address:	94 FIRST STREET
Spiller City,St,Zip:	NEW ROCHELLE, NY 10801
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY "
Remarks:	"FILLED UNCLOSED ABANDONED FILL LINE (WRONG ADDRESS/NEW DRIVER) SPILL CONTAINED ON CONCRETE FLOOR SHORELINE DID CLEAN UP ODORS SHORELINE CALLED EES TO FINISH CLEAN UP"

Material:

Site ID:	74696
Operable Unit ID:	961799
Operable Unit:	01
Material ID:	416543
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	62.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

H76 **ZUCARO SERFINE** **EDR Hist Cleaner** **1020125156**
SSE **599 MAIN STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.095 mi.
504 ft. **Site 3 of 12 in cluster H**

Relative:
Higher

Actual:
91 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1969	ZUCARO SERFINE	Drycleaning Plants, Except Rugs
1970	ZUCARO SERFINE	Drycleaning Plants, Except Rugs
1971	ZUCARO SERFINE	Drycleaning Plants, Except Rugs
1972	ZUCARO SERFINE	Drycleaning Plants, Except Rugs
1973	ZUCARO SERFINE	Drycleaning Plants, Except Rugs
1974	ZUCARO SERFINE	Drycleaning Plants, Except Rugs
1975	ZUCARO SERFINE	Drycleaning Plants, Except Rugs
1976	ZUCARO SERFINE	Drycleaning Plants, Except Rugs
1977	ZUCARO SERFINE	Drycleaning Plants, Except Rugs
1978	ZUCARO SERFINE	Drycleaning Plants, Except Rugs
1979	TUJAK ENTERPRISES INC	Drycleaning Plants, Except Rugs

ZUCARO SERFINE (Continued) **1020125156**

1980	TOJAK ENTERPRISES INC	Drycleaning Plants, Except Rugs
1982	TOJAK ENTERPRISES INC	Drycleaning Plants, Except Rugs
1983	TOJAK ENTERPRISES INC	Drycleaning Plants, Except Rugs

G77 **ALL AMERICAN SPORTS CORP** **RCRA NonGen / NLR** **1004760316**
SW **44 COLUMBUS AVE** **FINDS** **NYR000040113**
< 1/8 **NEW ROCHELLE, NY 10802** **ECHO**
0.097 mi. **NY MANIFEST**
512 ft. **Site 2 of 2 in cluster G**

Relative:
Lower

Actual:
66 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	ALL AMERICAN SPORTS CORP
Facility address:	44 COLUMBUS AVE NEW ROCHELLE, NY 10802
EPA ID:	NYR000040113
Mailing address:	COLUMBUS AVE NEW ROCHELLE, NY 10802
Contact:	LAMELLE WILLIAMS
Contact address:	COLUMBUS AVE NEW ROCHELLE, NY 10802
Contact country:	US
Contact telephone:	(914) 636-7070
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ALL AMERICAN SPORTS CORP
Owner/operator address:	44 COLUMBUS AVE NEW ROCHELLE, NY 10802
Owner/operator country:	US
Owner/operator telephone:	(914) 636-7070
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	ALL AMERICAN SPORTS CORP
Owner/operator address:	44 COLUMBUS AVE NEW ROCHELLE, NY 10802
Owner/operator country:	US
Owner/operator telephone:	(914) 636-7070
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No

ALL AMERICAN SPORTS CORP (Continued) **1004760316**

Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: ALL AMERICAN SPORTS CORP
Classification: Not a generator, verified

Date form received by agency: 05/30/1997
Site name: ALL AMERICAN SPORTS CORP
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110004534709

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1004760316
Registry ID: 110004534709
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004534709

NY MANIFEST:
Country: USA
EPA ID: NYR000040113
Facility Status: Not reported
Location Address 1: 44 COLUMBUS AVE
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: NEW ROCHELLE
Location State: NY
Location Zip: 10802
Location Zip 4: Not reported

ALL AMERICAN SPORTS CORP (Continued) **1004760316**

NY MANIFEST:

EPAID:	NYR000040113
Mailing Name:	ALL AMERICAN SPORTS CORP
Mailing Contact:	LAMELLE WILLIAMS
Mailing Address 1:	44 COLUMBUS AVE
Mailing Address 2:	Not reported
Mailing City:	NEW ROCHELLE
Mailing State:	NY
Mailing Zip:	10802
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9146367070

NY MANIFEST:

Document ID:	NJA2706453
Manifest Status:	K
seq:	Not reported
Year:	1997
Trans1 State ID:	08690
Trans2 State ID:	Not reported
Generator Ship Date:	10/13/1997
Trans1 Recv Date:	10/13/1997
Trans2 Recv Date:	/ /
TSD Site Recv Date:	10/20/1997
Part A Recv Date:	10/29/1997
Part B Recv Date:	11/12/1997
Generator EPA ID:	NYR000040113
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002182897
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	F005 - UNKNOWN
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00426
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

ALL AMERICAN SPORTS CORP (Continued) **1004760316**

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

Country:	USA
EPA ID:	NYD002182897
Facility Status:	Not reported
Location Address 1:	44 COLUMBUS AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10805
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD002182897
Mailing Name:	RIDDELL ALL AMERICAN
Mailing Contact:	PERSING MEJIA
Mailing Address 1:	44 COLUMBUS AVE
Mailing Address 2:	Not reported
Mailing City:	NEW ROCHELLE
Mailing State:	NY
Mailing Zip:	10805
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9146367070

I78 **NEW ROCHELLE IRISH BENEVOLENT SOCIETY** **NY UST** **U003884840**
ENE **38 DIVISION STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.098 mi.
516 ft. **Site 1 of 16 in cluster I**

Relative:
Higher

Actual:
101 ft.

WESTCHESTER CO. UST:

Id/Status:	3-600097 / Unregulated
Operator Name:	New Rochelle Irish Benevolent Society
Owner Name:	New Rochelle Irish Benevolent Society
Owner Street:	38 Division Street
Owner Address2:	Not reported
Owner City:	New Rochelle
Owner State:	NY
Owner Zipcode:	10801
GDS Number:	Not reported
Tank Number:	26051652
Status:	3. Closed - Removed
Capacity:	2000
Product Stored:	0001. #2 Fuel Oil
Product Stored Percent:	Not reported
Tank Leak Detection:	0. None
Date Installation:	01/01/1940
Date Perm Closure:	01/09/2015
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None

NEW ROCHELLE IRISH BENEVOLENT SOCIETY (Continued) **U003884840**

Tank External Protection:	8. Wrapped (Piping)
Tank Secondary Containment:	0. None
Piping Location:	2. Underground/on Ground
Piping Type:	10. Copper
Piping External Protection:	8. Wrapped (Piping)
Overfill Prevention:	5. Vent Whistle
Piping Secondary Containment:	0. None
Spill Prevention:	1. Catch Basin
Dispenser:	3. Gravity

I79 **HAYES KATHRYN INC** **EDR Hist Cleaner** **1020002440**
ENE **36-38 DIVISION ST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.098 mi.
518 ft. **Site 2 of 16 in cluster I**

Relative: **Higher**

Actual: **101 ft.**

EDR Hist Cleaner

Year:	Name:	Type:
1969	HAYES KATHRYN INC	Drycleaning Plants, Except Rugs
1970	HAYES KATHRYN INC	Drycleaning Plants, Except Rugs
1971	HAYES KATHRYN INC	Drycleaning Plants, Except Rugs
1972	HAYES KATHRYN INC	Drycleaning Plants, Except Rugs
1973	HAYES KATHRYN INC	Drycleaning Plants, Except Rugs
1974	HAYES KATHRYN INC	Drycleaning Plants, Except Rugs
1975	HAYES KATHRYN INC	Drycleaning Plants, Except Rugs
1976	HAYES KATHRYN INC	Drycleaning Plants, Except Rugs
1977	HAYES KATHRYN INC	Drycleaning Plants, Except Rugs

I80 **LILLIAN VERNON CO.** **NY LTANKS** **S100494788**
NE **WESTCHESTER PLACE** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.100 mi.
527 ft. **Site 3 of 16 in cluster I**

Relative: **Higher**

Actual: **101 ft.**

LTANKS:

Site ID:	201286
Spill Number/Closed Date:	9213055 / 1995-03-16
Spill Date:	1993-02-22
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1995-03-16
Cleanup Meets Standard:	False
SWIS:	6010
Investigator:	WXWADSWO
Referred To:	Not reported
Reported to Dept:	1993-02-22
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0

LILLIAN VERNON CO. (Continued) **S100494788**

Date Entered In Computer:	1993-02-23
Spill Record Last Update:	1995-08-07
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	167465
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was WADSWORTH 09/27/95: This is additional information about material spilled from the translation of the old spill file: TANK TEST."
Remarks:	"TO HAVE MEETING TO DISCUSS FURTHER ACTION TANK IS BEING PUMPED DOWN TEMP TANK BEING SET UP AES SYSTEM II"

Material:

Site ID:	201286
Operable Unit ID:	977443
Operable Unit:	01
Material ID:	570289
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Site ID:	201286
Spill Tank Test:	1541204
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	Not reported
Test Method:	Unknown

I81 **ROAD** **NY Spills** **S108130430**
NE **HUGUENOT ST/DIVISION ST** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.100 mi.
529 ft. **Site 4 of 16 in cluster I**

Relative:
Higher

Actual:
101 ft.

SPILLS:

Facility ID:	0606187
Facility Type:	ER
DER Facility ID:	306600
Site ID:	369495

ROAD (Continued) **S108130430**

DEC Region:	3
Spill Date:	2006-08-29
Spill Number/Closed Date:	0606187 / 2006-09-03
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	JBODee
Referred To:	Not reported
Reported to Dept:	2006-08-29
CID:	410
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Fire Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2006-08-29
Spill Record Last Update:	2006-09-03
Spiller Name:	JEFF CULLEN
Spiller Company:	GC RELIABLE SERVICE COMPA
Spiller Address:	80 GROVE ST
Spiller City,St,Zip:	NEW ROCHELLE, NY
Spiller Company:	001
Contact Name:	WESTCHESTER FIRE CONTROL
Contact Phone:	(914) 231-1905
DEC Memo:	"DPW sanded road. No product to recover. jod"
Remarks:	"SPILL SPANS FOR FIVE BLOCKS BETWEEN THE TWO STREETS GIVEN IN LOCATION: CLEANUP IN PROGRESS: DPW ON SCENE:"

Material:

Site ID:	369495
Operable Unit ID:	1127329
Operable Unit:	01
Material ID:	2116923
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	60.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

I82
NE
< 1/8
0.100 mi.
529 ft.

VACANT LOT
HUGUENOT ST/DIVISION ST
NEW ROCHELLE, NY

Site 5 of 16 in cluster I

NY LTANKS **S107489335**
N/A

Relative:
Higher

Actual:
101 ft.

LTANKS:

Site ID:	356539
Spill Number/Closed Date:	0510542 / 2006-03-15
Spill Date:	2005-12-08
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	6010
Investigator:	JBODee
Referred To:	Not reported
Reported to Dept:	2005-12-08
CID:	407
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2005-12-08
Spill Record Last Update:	2006-03-15
Spiller Name:	STEVE GRENS
Spiller Company:	VACANT LOT
Spiller Address:	HUGUENOT ST/DIVISION ST
Spiller City,St,Zip:	NEW ROCHELLE, NY
Spiller County:	001
Spiller Contact:	STEVE GRENS
Spiller Phone:	(914) 806-5650
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	306600
DEC Memo:	"March 15, 2006: BROOKSIDE ENVIRONMENTAL DISPOSED OF LUST AND 5.62 TONS OF CONTAMINATED SOIL. CLOSURE REPORT RECEIVED FROM AKRF. BASED UPON INFORMATION PROVIDED TO DEC, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jod"
Remarks:	"Tank removal, tank size 1000 gallons."

Material:

Site ID:	356539
Operable Unit ID:	1113840
Operable Unit:	01
Material ID:	2103900
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

VACANT LOT (Continued) **S107489335**

Tank Test:

E83
ESE
< 1/8
0.100 mi.
529 ft.

Relative:
Higher

Actual:
101 ft.

QUEEN CITY SUPER BUFFET **NY Spills** **S105142028**
566 MAIN ST **N/A**
NEW ROCHELLE, NY

Site 13 of 15 in cluster E

SPILLS:

Facility ID:	0105975
Facility Type:	ER
DER Facility ID:	153226
Site ID:	182891
DEC Region:	3
Spill Date:	2001-09-04
Spill Number/Closed Date:	0105975 / 2001-09-05
Spill Cause:	Equipment Failure
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	WCHD
Referred To:	Westchester Cnty Health Dept
Reported to Dept:	2001-09-04
CID:	312
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Police Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-09-04
Spill Record Last Update:	2001-09-25
Spiller Name:	Not reported
Spiller Company:	QUEEN CITY SUPER BUFFET
Spiller Address:	566 MAIN ST
Spiller City,St,Zip:	NEW ROCHELLE, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was WCDOH "
Remarks:	"PLUMBING PROBLEM - MANAGEMENT PUMPED IT INTO THE STREET - CITIZEN NOTICED THE HUMAN EXCRIMENT AND CALLED THE PD - PD & FD THERE - VINCENT MCCABE ADVISED"

Material:

Site ID:	182891
Operable Unit ID:	844419
Operable Unit:	01
Material ID:	530861
Material Code:	0062A
Material Name:	raw sewage
Case No.:	Not reported

QUEEN CITY SUPER BUFFET (Continued) **S105142028**

Material FA:	Other
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

I84 **RESIDENCE** **NY Spills** **S109413260**
NE **129 DIVISON ST** **N/A**
< 1/8 **TARRYTOWN, NY**
0.102 mi.
538 ft. **Site 6 of 16 in cluster I**

Relative:
Higher

Actual:
101 ft.

SPILLS:

Facility ID:	0810056
Facility Type:	ER
DER Facility ID:	356816
Site ID:	407567
DEC Region:	3
Spill Date:	2008-12-09
Spill Number/Closed Date:	0810056 / 2010-05-04
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6026
Investigator:	TDGHIOSA
Referred To:	Not reported
Reported to Dept:	2008-12-09
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2008-12-09
Spill Record Last Update:	2010-08-27
Spiller Name:	Not reported
Spiller Company:	3RD PARTY SPILL
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	ERT
Contact Phone:	(212) 580-8383
DEC Memo:	"12/09/2008: Con Ed reports that this location is the former GM site that was/is a Brownsfield site. Con Ed was laying a gas line when stained soils was found in the trench...ra 08/27/2010 See eDocs for Con Ed report detailing cleanup and closure DMP"
Remarks:	"CALLER STATES THAT THEY RECIEVED A 3RD PARTY CALLL STATING THAT THEY FOUND AN UNK PETROLEUM PRODUCT DURING AN EXCAVATION. CLEAN UP IS PENDING."

RESIDENCE (Continued) **S109413260**

Material:
Site ID: 407567
Operable Unit ID: 1164107
Operable Unit: 01
Material ID: 2155468
Material Code: 0066A
Material Name: unknown petroleum
Case No.: Not reported
Material FA: Petroleum
Quantity: 2.00
Units: Gallons
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

I85 **CON EDISON - TRANSFORMER MANHOLE 1154** **RCRA-LQG** **1016962308**
NE **DIVISION ST AND HUGENOT ST** **NYP004353199**
< 1/8 **NEW ROCHELLE, NY 10805**
0.102 mi.
540 ft. **Site 7 of 16 in cluster I**

Relative:
Higher

Actual:
101 ft.

RCRA-LQG:
Date form received by agency: 03/27/2014
Facility name: CON EDISON - TRANSFORMER MANHOLE 1154
Facility address: DIVISION ST AND HUGENOT ST
NEW ROCHELLE, NY 10805
EPA ID: NYP004353199
Mailing address: IRVING PLACE, 15TH FL NE
NEW YORK, NY 10003
Contact: DENNIS HUACON
Contact address: IRVING PLACE, 15TH FL NE
NEW YORK, NY 10003
Contact country: US
Contact telephone: (212) 460-2757
Contact email: HUACOND@CONED.COM
EPA Region: 02
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address: IRVING PLACE

CON EDISON - TRANSFORMER MANHOLE 1154 (Continued) **1016962308**

NEW YORK, NY 10003
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/29/2013
Owner/Op end date: Not reported

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address: IRVING PLACE
NEW YORK, NY 10003
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/29/2013
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D008
. Waste name: LEAD

Historical Generators:
Date form received by agency: 09/29/2013
Site name: CON EDISON TRANSFORMER MANHOLE: 1154
Classification: Not a generator, verified

Date form received by agency: 08/29/2013
Site name: CON EDISON TRANSFORMER MANHOLE: 1154
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

I86 **CON EDISON** **NY MANIFEST** **S117535602**
NE **HUGENOT ST & DIVISION ST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10802**
0.102 mi.
540 ft. **Site 8 of 16 in cluster I**

Relative:
Higher

Actual:
101 ft.

NY MANIFEST:

Country:	USA
EPA ID:	NYP004677894
Facility Status:	Not reported
Location Address 1:	HUGENOT ST & DIVISION ST
Code:	BP
Location Address 2:	MH 1218
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10802
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004677894
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2014
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	10/15/2014
Trans1 Recv Date:	10/15/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/20/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004677894
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012774861JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported

CON EDISON (Continued) **S117535602**

Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	100
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

I87 **CON ED** **NY MANIFEST** **S119073734**
NE **DIVISION ST & HUGENOT ST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10805**
0.102 mi.
540 ft. **Site 9 of 16 in cluster I**

Relative:
Higher

Actual:
101 ft.

NY MANIFEST:

Country:	USA
EPA ID:	NYP004353199
Facility Status:	Not reported
Location Address 1:	DIVISION ST AND HUGENOT ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10805
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004353199
Mailing Name:	CON ED
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

CON ED (Continued) **S119073734**

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2013
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	08/29/2013
Trans1 Recv Date:	08/29/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/03/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004353199
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	011694814JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	3000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

I88
NE
< 1/8
0.102 mi.
540 ft.

CON EDISON
DIVISION & HUGUENOT
NEW ROCHELLE, NY

Site 10 of 16 in cluster I

NY MANIFEST **S117319604**
N/A

Relative:
Higher

Actual:
101 ft.

NY MANIFEST:

Country:	USA
EPA ID:	NYP004676847
Facility Status:	Not reported
Location Address 1:	DIVISION & HUGUENOT
Code:	BP
Location Address 2:	MH 1218
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	Not reported
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004676847
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2014
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	10/13/2014
Trans1 Recv Date:	10/13/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/14/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004676847
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012770952JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported

CON EDISON (Continued) **S117319604**

Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

I89 **CON EDISON MANHOLE: 1215** **RCRA NonGen / NLR** **1016678044**
NE **HUGENOT AVE & DIVISION ST NE** **FINDS** **NYP004317285**
< 1/8 **NEW ROCHELLE, NY 10801** **ECHO**
0.102 mi. **NY MANIFEST**
540 ft. **Site 11 of 16 in cluster I**

Relative:
Higher

Actual:
101 ft.

RCRA NonGen / NLR:

Date form received by agency:	06/30/2013
Facility name:	CON EDISON MANHOLE: 1215
Facility address:	HUGENOT AVE & DIVISION ST NE COR NEW ROCHELLE, NY 10801
EPA ID:	NYP004317285
Mailing address:	VING PL, RM 828 NEW YORK, NY 10003
Contact:	GINO FRABASILE
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(914) 925-6219
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No

CON EDISON MANHOLE: 1215 (Continued) **1016678044**

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 05/30/2013
Site name: CON EDISON MANHOLE: 1215
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110058874865

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1016678044
Registry ID: 110058874865
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110058874865

NY MANIFEST:
Country: USA
EPA ID: NYP004317285
Facility Status: Not reported
Location Address 1: DIVISION ST & HUGUENOT ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: NEW ROCHELLE
Location State: NY
Location Zip: 10801
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004317285
Mailing Name: CON EDISON
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING PLACE 15TH FLOOR

CON EDISON MANHOLE: 1215 (Continued) **1016678044**

Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2013
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	05/30/2013
Trans1 Recv Date:	05/30/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/30/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004317285
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	010842831JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	200
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

CON EDISON MANHOLE: 1215 (Continued) **1016678044**

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

I90 **CON EDISON** **NY MANIFEST** **S117535593**
NE **HUGENOT & DIVISION ST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.102 mi.
540 ft. **Site 12 of 16 in cluster I**

Relative:
Higher

Actual:
101 ft.

NY MANIFEST:

Country:	USA
EPA ID:	NYP004677548
Facility Status:	Not reported
Location Address 1:	HUGENOT & DIVISION ST
Code:	BP
Location Address 2:	MH 1218
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10801
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004677548
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2014
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	10/14/2014
Trans1 Recv Date:	10/14/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/20/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004677548
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012774875JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N

CON EDISON (Continued) **S117535593**

Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	400
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

I91 **CON EDISON TRANSFORMER MANHOLE: 1154** **RCRA NonGen / NLR** **1016961985**
NE **DIVISION ST & HUGUENOT ST** **NYP004349395**
< 1/8 **NEW ROCHELLE, NY 10801**
0.102 mi.
540 ft. **Site 13 of 16 in cluster I**

Relative:
Higher

Actual:
101 ft.

RCRA NonGen / NLR:

Date form received by agency:	09/21/2013
Facility name:	CON EDISON TRANSFORMER MANHOLE: 1154
Facility address:	DIVISION ST & HUGUENOT ST NEW ROCHELLE, NY 10801
EPA ID:	NYP004349395
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	DENNIS ROHRER
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(914) 925-6219
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No

CON EDISON TRANSFORMER MANHOLE: 1154 (Continued) **1016961985**

Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	08/21/2013
Site name:	CON EDISON TRANSFORMER MANHOLE: 1154
Classification:	Conditionally Exempt Small Quantity Generator
Violation Status:	No violations found

J92 **I-95 NB** **NY Spills** **S106006663**
West **BETWEEN EXIT 15 & 16** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.103 mi.
545 ft. **Site 1 of 2 in cluster J**

Relative:
Lower

Actual:
90 ft.

SPILLS:

Facility ID:	0205208
Facility Type:	ER
DER Facility ID:	69965
Site ID:	74580
DEC Region:	3
Spill Date:	2002-08-17
Spill Number/Closed Date:	0205208 / 2002-09-03
Spill Cause:	Traffic Accident
Spill Class:	Known release that creates a file or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
SWIS:	6010
Investigator:	rdbendel
Referred To:	Not reported
Reported to Dept:	2002-08-17
CID:	257
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Police Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-08-17
Spill Record Last Update:	2003-08-11
Spiller Name:	THOMAS CAREY
Spiller Company:	CASTLE OIL
Spiller Address:	17-10 STEINWAY ST

I-95 NB (Continued) **S106006663**

Spiller City,St,Zip:	ASTORIA, NY 11105-1097
Spiller Company:	001
Contact Name:	PAM WAITE
Contact Phone:	(518) 436-2825
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was BENDELL 8-12-02 Highway was found to be clean and Echo Bay cleanup was winding down. Booms to remain until first rain. TG"
Remarks:	"tank truck involved in a accident and started on fire some product did get into storm drain which goes into the long island sound"

Material:

Site ID:	74580
Operable Unit ID:	856495
Operable Unit:	01
Material ID:	519414
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

H93 **ON MAIN ST** **NY Spills** **S106384194**
SSE **BETWEEN MAPLE/CENTER AVE** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.104 mi.
549 ft. **Site 4 of 12 in cluster H**

Relative:
Higher

Actual:
97 ft.

SPILLS:

Facility ID:	0314099
Facility Type:	ER
DER Facility ID:	61973
Site ID:	64285
DEC Region:	3
Spill Date:	2004-03-25
Spill Number/Closed Date:	0314099 / 2004-03-25
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	rxamato
Referred To:	Not reported
Reported to Dept:	2004-03-25
CID:	406
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False

ON MAIN ST (Continued) **S106384194**

Remediation Phase:	0
Date Entered In Computer:	2004-03-25
Spill Record Last Update:	2004-04-02
Spiller Name:	Not reported
Spiller Company:	BEELINE SYSTEM
Spiller Address:	100 EAST 1ST
Spiller City,St,Zip:	MOUNT VERNON, NY
Spiller Company:	001
Contact Name:	STEVE VANDERWOUDE
Contact Phone:	(914) 774-8253
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SMITH 3/25/04: Called Beeline, it was anti-freeze (7 gallons). Spill has been cleaned up by their crew. No drains or waterways affected."
Remarks:	"Spill is located near 585 Main St. Caller says Beeline System spilled oily material for about one full block from Maple St. to Centre Ave. The Driver of vehicle is there throwing sand down on the material right now. Just wanted to notify us of spill. Caller is not sure if material went into sewer... they are also 1/2 Mi. from the Long Island Sound.****Seamus Roche from Liberty Lines Transit called... (914) 376-6342 . Verified B-Line Bus. The Material was antifreeze approx. 6 gal. Using Speedy dry to clean it up. ******"

Material:

Site ID:	64285
Operable Unit ID:	881023
Operable Unit:	01
Material ID:	495680
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

E94 **CO2 CLEANERS INC** **EDR Hist Cleaner** **1019959138**
ESE **562 MAIN ST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.104 mi.
550 ft. **Site 14 of 15 in cluster E**

Relative:
Higher

Actual:
102 ft.

EDR Hist Cleaner

Year:	Name:	Type:
2003	HANGERS CLEANERS	Laundry And Garment Services, NEC, NEC
2004	CO2 CLEANERS INC	Drycleaning Plants, Except Rugs, NEC
2005	CO2 CLEANERS INC	Drycleaning Plants, Except Rugs, NEC
2006	CO2 CLEANERS INC	Drycleaning Plants, Except Rugs, NEC
2007	CO2 CLEANERS INC	Drycleaning Plants, Except Rugs, NEC
2008	CO2 CLEANERS INC	Drycleaning Plants, Except Rugs, NEC
2009	CO2 CLEANERS INC	Drycleaning Plants, Except Rugs, NEC
2010	CO2 CLEANERS INC	Drycleaning Plants, Except Rugs, NEC
2011	CO2 CLEANERS INC	Drycleaning Plants, Except Rugs, NEC

E95 **HANGERS CLEANERS** **NY DRYCLEANERS** **S110246761**
ESE **562-564 MAIN STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.104 mi.
550 ft. **Site 15 of 15 in cluster E**

Relative:
Higher

Actual:
102 ft.

DRYCLEANERS:

Facility ID:	3-5510-00358
Phone Number:	914-235-0300
Region:	Not reported
Registration Effective Date:	9/24/2003 13:22:51:203
Inspection Date:	04MAR23
Install Date:	02
Drop Shop:	Not reported
Shutdown:	Not reported
Alternate Solvent:	CO2
Current Business:	Not reported

H96 **CON EDISON TRANSFORMER MANHOLE: 2806** **RCRA NonGen / NLR** **1016962648**
SSE **592 MAIN ST** **NY MANIFEST** **NYP004357059**
< 1/8 **NEW ROCHELLE, NY 10804**
0.106 mi.
558 ft. **Site 5 of 12 in cluster H**

Relative:
Higher

Actual:
96 ft.

RCRA NonGen / NLR:

Date form received by agency:	10/09/2013
Facility name:	CON EDISON TRANSFORMER MANHOLE: 2806
Facility address:	592 MAIN ST NEW ROCHELLE, NY 10804
EPA ID:	NYP004357059
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	CHRISTOPHER BLAICH
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(914) 925-6219
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

CON EDISON TRANSFORMER MANHOLE: 2806 (Continued) **1016962648**

Historical Generators:
Date form received by agency: 09/09/2013
Site name: CON EDISON TRANSFORMER MANHOLE: 2806
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
Country: USA
EPA ID: NYP004357059
Facility Status: Not reported
Location Address 1: 592 MAIN ST.
Code: BP
Location Address 2: MH # 2806
Total Tanks: Not reported
Location City: NEW ROCHELLE
Location State: NY
Location Zip: 10802
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004357059
Mailing Name: CON EDISON
Mailing Contact: TOM TEELING
Mailing Address 1: 4 IRVING PLACE 15TH FLOOR
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124603770

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2013
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 09/09/2013
Trans1 Recv Date: 09/09/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/09/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004357059
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID 1: NJD002200046
TSDF ID 2: Not reported
Manifest Tracking Number: 010707806JJK
Import Indicator: N
Export Indicator: N
Discr Quantity Indicator: N
Discr Type Indicator: N
Discr Residue Indicator: N

CON EDISON TRANSFORMER MANHOLE: 2806 (Continued) **1016962648**

Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	2000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

I97 **CABLE** **NY Spills** **S109206706**
ENE **29 DIVISION STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.108 mi.
572 ft. **Site 14 of 16 in cluster I**

Relative:
Higher

Actual:
101 ft.

SPILLS:

Facility ID:	0804961
Facility Type:	ER
DER Facility ID:	351170
Site ID:	401965
DEC Region:	3
Spill Date:	2008-07-30
Spill Number/Closed Date:	0804961 / 2008-07-30
Spill Cause:	Equipment Failure
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	jpcummin
Referred To:	Not reported
Reported to Dept:	2008-07-30
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported

CABLE (Continued) **S109206706**

Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2008-07-30
Spill Record Last Update:	2008-07-31
Spiller Name:	ERTSDESK
Spiller Company:	CABLE
Spiller Address:	29 DIVISION STREET
Spiller City,St,Zip:	NEW ROCHELLE, NY
Spiller Company:	001
Contact Name:	ERTSDESK
Contact Phone:	(212) 580-8383
DEC Memo:	"SEE SP: 0804960. -- NFA"
Remarks:	"8 OUNCES AND ON GOING AND WONT MAKE 2 HOUR CLEAN UP"

Material:

Site ID:	401965
Operable Unit ID:	1158737
Operable Unit:	01
Material ID:	2149827
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

K98 **CURBSIDE** **NY Spills** **S106968503**
SE **CENTER AVE/MAIN STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.109 mi.
573 ft. **Site 1 of 7 in cluster K**

Relative:
Higher

Actual:
101 ft.

SPILLS:

Facility ID:	0502735
Facility Type:	ER
DER Facility ID:	293445
Site ID:	347154
DEC Region:	3
Spill Date:	2005-06-07
Spill Number/Closed Date:	0502735 / 2005-06-14
Spill Cause:	Other
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	JKOMARA
Referred To:	WCHD
Reported to Dept:	2005-06-07
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Health Department

CURBSIDE (Continued) **S106968503**

Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2005-06-07
Spill Record Last Update:	2005-06-14
Spiller Name:	CHRIS LALAK
Spiller Company:	CURBSIDE
Spiller Address:	CENTER AVE/MAIN STREET
Spiller City,St,Zip:	NEW ROCHELLE, NY
Spiller Company:	001
Contact Name:	CHRIS LALAK
Contact Phone:	(914) 224-7649
DEC Memo:	"06/07/05 WCHD RESPONDED. RP INDENTIFIED. CLEANUP COMPLETED. REFERRED TO WCDA's OFFICE. NFA SPILLS. jod"
Remarks:	"TWO GARBAGE TRUCK WORKERS PICKED UP AMONIA AND IT OPENED UP AND THEY WERE OVERCOME: SOMEONE LEFT IT ON THE CURBSIDE: ALL UNDERC CONTROL: NO NEED FOR A DEC RESPONSE"

Material:

Site ID:	347154
Operable Unit ID:	1104900
Operable Unit:	01
Material ID:	1262227
Material Code:	0025A
Material Name:	ammonia
Case No.:	07664417
Material FA:	Hazardous Material
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

H99 **RAMOS UPHOLSTERY & MOVING CORP** **EDR Hist Cleaner** **1018481917**
South **611 MAIN ST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.109 mi.
574 ft. **Site 6 of 12 in cluster H**

Relative: EDR Hist Cleaner
Lower

Actual: **88 ft.**

Year:	Name:	Type:
2011	RAMOS UPHOLSTERY & MOVING CORP	Carpet And Upholstery Cleaning
2012	RAMOS UPHOLSTERY & MOVING CORP	Carpet And Upholstery Cleaning
2013	RAMOS UPHOLSTERY & MOVING CORP	Carpet And Upholstery Cleaning
2014	RAMOS UPHOLSTERY & MOVING CORP	Carpet And Upholstery Cleaning

H100 **CON ED 213384** **NY Spills** **S110306526**
South **MAPLE AVE AND MAIN ST** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.112 mi.
589 ft. **Site 7 of 12 in cluster H**

Relative:
Lower

Actual:
88 ft.

SPILLS:

Facility ID:	0814419
Facility Type:	ER
DER Facility ID:	386630
Site ID:	432570
DEC Region:	3
Spill Date:	2008-08-27
Spill Number/Closed Date:	0814419 / 2008-08-28
Spill Cause:	Unknown
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	DMPOKRZY
Referred To:	Not reported
Reported to Dept:	2008-12-31
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2010-04-16
Spill Record Last Update:	2016-10-14
Spiller Name:	ERT DESK
Spiller Company:	CON EDISON
Spiller Address:	5030 BROADWAY
Spiller City,St,Zip:	New York, NY
Spiller Company:	001
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Memo:	""
Remarks:	""

Material:

Site ID:	432570
Operable Unit ID:	1183631
Operable Unit:	01
Material ID:	2177819
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2.00
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

CON ED 213384 (Continued) **S110306526**

Tank Test:

H101 **CON EDISON** **RCRA NonGen / NLR** **1014399091**
South **MAPLE AVE & MAIN ST** **NJ MANIFEST** **NYP004214680**
< 1/8 **NEW ROCHELLE, NY 10804**
0.112 mi.
589 ft. **Site 8 of 12 in cluster H**

Relative:
Lower

Actual:
88 ft.

RCRA NonGen / NLR:

Date form received by agency:	09/01/2010
Facility name:	CON EDISON
Facility address:	MAPLE AVE & MAIN ST NEW ROCHELLE, NY 10804
EPA ID:	NYP004214680
Mailing address:	4 IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	DENNIS ROHRER
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(914) 925-6219
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

NJ MANIFEST:

EPA Id:	NYP004214680
Mail Address:	4 IRVING PL, RM 828
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	DENNIS ROHRER
Comments:	Not reported
SIC Code:	Not reported
County:	NY119
Municipal:	Not reported

CON EDISON (Continued) **1014399091**

Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	004086092GBF
EPA ID:	NYP004214680
Date Shipped:	09/01/2010
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NYD006982359
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/01/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/02/2010
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	120 P

Manifest Number:	001086092GBF
EPA ID:	NYP004214680

CON EDISON (Continued) **1014399091**

Date Shipped:	09/01/2010
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NYD006982359
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/01/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/02/2010
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	120 P

H102 **CON EDISON MANHOLE: 734** **RCRA NonGen / NLR** **1016969502**
South **MAIN ST & MAPLE ST** **NY MANIFEST** **NYP004431706**
< 1/8 **NEW ROCHELLE, NY 10805**
0.112 mi.
589 ft. **Site 9 of 12 in cluster H**

Relative:
Lower

Actual:
88 ft.

RCRA NonGen / NLR:

Date form received by agency:	03/01/2014
Facility name:	CON EDISON MANHOLE: 734
Facility address:	MAIN ST & MAPLE ST

CON EDISON MANHOLE: 734 (Continued) **1016969502**

NEW ROCHELLE, NY 10805
EPA ID: NYP004431706
Mailing address: IRVING PL, 15TH FL NE
NEW YORK, NY 10003
Contact: THOMAS TEELING
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (212) 460-3770
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/01/2014
Site name: CON EDISON MANHOLE: 734
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
Country: USA
EPA ID: NYP004431706
Facility Status: Not reported
Location Address 1: 591 MAIN ST
Code: BP
Location Address 2: MH 734
Total Tanks: Not reported
Location City: NEW ROCHELLE
Location State: NY
Location Zip: 10801
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004431706
Mailing Name: CON ED
Mailing Contact: TOM TEELING
Mailing Address 1: 4 IRVING PLACE - 15TH FLOOR
Mailing Address 2: Not reported

CON EDISON MANHOLE: 734 (Continued) **1016969502**

Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2014
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	02/01/2014
Trans1 Recv Date:	02/01/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/06/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004431706
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	011696225JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	200
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

CON EDISON MANHOLE: 734 (Continued) **1016969502**

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

H103 **HIGHWAY** **NY Spills** **S102154207**
South **MAIN ST.& MAPLE AVE.** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.112 mi.
589 ft. **Site 10 of 12 in cluster H**

Relative:
Lower

Actual:
88 ft.

SPILLS:

Facility ID:	9010592
Facility Type:	ER
DER Facility ID:	265576
Site ID:	330129
DEC Region:	3
Spill Date:	1991-01-03
Spill Number/Closed Date:	9010592 / 1991-01-09
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	6010
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1991-01-03
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Police Department
Cleanup Ceased:	1953-06-18
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2003-12-02
Spill Record Last Update:	2003-12-02
Spiller Name:	Not reported
Spiller Company:	ANCHOR MOTOR FREIGHT
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY "
Remarks:	"TRUCK BROKE AXLE DIESEL FUEL WENT ONTO THE STREET NEW ROCHELLE F.D. RESPONDED WITH SORSENTS AND SPILL WAS CONTAINED ANCHOR FREIGHT SENDING PICK UP TRUCK TO PICK UP AND DISPOSE"

Material:

Site ID:	330129
Operable Unit ID:	950871
Operable Unit:	01
Material ID:	430737
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum

HIGHWAY (Continued) **S102154207**

Quantity: 25.00
Units: Gallons
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

H104 **CON EDISON** **NY MANIFEST** **S117535572**
South **MAIN ST & MAPLE AVE** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.112 mi.
589 ft. **Site 11 of 12 in cluster H**

Relative:
Lower

Actual:
88 ft.

NY MANIFEST:
Country: USA
EPA ID: NYP004674354
Facility Status: Not reported
Location Address 1: MAIN ST & MAPLE AVE
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: NEW ROCHELLE
Location State: NY
Location Zip: 10801
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004674354
Mailing Name: CON EDISON
Mailing Contact: TOM TEELING
Mailing Address 1: 4 IRVING PLACE - 15TH FLOOR
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: Not reported

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2014
Trans1 State ID: MAD039322250
Trans2 State ID: Not reported
Generator Ship Date: 10/07/2014
Trans1 Recv Date: 10/07/2014
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/16/2014
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004674354
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported

CON EDISON (Continued) **S117535572**

TSDF ID 1:	MAD053452637
TSDF ID 2:	Not reported
Manifest Tracking Number:	007747843FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	Y
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	559
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D003
Waste Code 1_2:	Not reported
Waste Code 1_3:	D005
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

K105 **BLOOMINGDALE PARKING LOT** **NY UST** **U003884000**
ESE **554 MAIN ST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10802**
0.113 mi.
595 ft. **Site 2 of 7 in cluster K**

Relative:
Higher

Actual:
102 ft.

WESTCHESTER CO. UST:

Id/Status:	3-600330 / Unregulated: <1101 gal. PBS
Operator Name:	Mel Watson
Owner Name:	Fraydun Enterprises
Owner Street:	3 New York Plaza
Owner Address2:	Not reported
Owner City:	New York
Owner State:	NY
Owner Zipcode:	10004
GDS Number:	Not reported
Tank Number:	2
Status:	4. Closed - in place
Capacity:	550
Product Stored:	Not reported

BLOOMINGDALE PARKING LOT (Continued) **U003884000**

Product Stored Percent:	Not reported
Tank Leak Detection:	0. None
Date Installation:	08/01/1992
Date Perm Closure:	Not reported
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	0. None
Tank Secondary Containment:	0. None
Piping Location:	0. No Pipiing
Piping Type:	0. No Pippping
Piping External Protection:	0. None
Overfill Prevention:	0. None
Piping Secondary Containment:	Not reported
Spill Prevention:	0. None
Dispenser:	2. Suction

I106 **NYSDOT BIN 1049890** **RCRA NonGen / NLR** **1000789726**
NE **DIVISION ST OVER METRO NORTH** **NYD987011897**
< 1/8 **NEW ROCHELLE, NY 10803**
0.114 mi.
603 ft. **Site 15 of 16 in cluster I**

Relative:
Higher

Actual:
101 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NYSDOT BIN 1049890
Facility address:	DIVISION ST OVER METRO NORTH NEW ROCHELLE, NY 10803
EPA ID:	NYD987011897
Mailing address:	BURNETT BLVD POUGHKEEPSIE, NY 12603
Contact:	RICHARD MANNS
Contact address:	BURNETT BLVD POUGHKEEPSIE, NY 12603
Contact country:	US
Contact telephone:	(914) 431-5743
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NYSDOT
Owner/operator address:	NOT REQUIRED NOT REQUIRED, NY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NYSDOT
Owner/operator address:	NOT REQUIRED NOT REQUIRED, NY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212

NYSDOT BIN 1049890 (Continued) **1000789726**

Legal status: State
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: NYSDOT BIN 1049890
Classification: Not a generator, verified

Date form received by agency: 08/12/1992
Site name: NYSDOT BIN 1049890
Classification: Not a generator, verified

. Waste code: D000
. Waste name: Not Defined

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

K107 **CON EDISON** **NJ MANIFEST** **S120675741**
ESE **552 MAIN ST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.115 mi.
607 ft. **Site 3 of 7 in cluster K**

Relative:
Higher

Actual:
101 ft.

NJ MANIFEST:
EPA Id: NYP004828044
Mail Address: IRVING PL 15TH FL NE
Mail City/State/Zip: NEW YORK, NY 10003
Facility Phone: Not reported
Emergency Phone: Not reported
Contact: THOMAS TEELING
Comments: Not reported
SIC Code: Not reported
County: NY119
Municipal: Not reported
Previous EPA Id: Not reported
Gen Flag: Not reported

CON EDISON (Continued) **S120675741**

Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	014473164JJK
EPA ID:	NYP004828044
Date Shipped:	8/21/2015
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NYD006982359
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

K108 **CON EDISON** **RCRA NonGen / NLR** **1019906923**
ESE **552 MAIN ST** **FINDS** **NYP004828044**
< 1/8 **NEW ROCHELLE, NY 10801** **ECHO**
0.115 mi.
607 ft. **Site 4 of 7 in cluster K**

Relative:
Higher

Actual:
101 ft.

RCRA NonGen / NLR:

Date form received by agency:	08/21/2015
Facility name:	CON EDISON
Facility address:	552 MAIN ST NEW ROCHELLE, NY 10801
EPA ID:	NYP004828044
Mailing address:	IRVING PL 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	08/21/2015
Site name:	CON EDISON
Classification:	Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110069679360

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CON EDISON (Continued) **1019906923**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
- Envid: 1019906923
- Registry ID: 110069679360
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110069679360

I109 **CON EDISON** **NY Spills** **S109206705**
ENE **19 DIVISION ST & WASHINGTON AV** **NY MANIFEST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.116 mi.
614 ft. **Site 16 of 16 in cluster I**

Relative: Higher

Actual: 100 ft.

SPILLS:
- Facility ID: 0804960
- Facility Type: ER
- DER Facility ID: 351169
- Site ID: 401964
- DEC Region: 3
- Spill Date: 2008-07-30
- Spill Number/Closed Date: 0804960 / 2008-08-16
- Spill Cause: Equipment Failure
- Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
- SWIS: 6010
- Investigator: jbodee
- Referred To: Not reported
- Reported to Dept: 2008-07-30
- CID: 444
- Water Affected: Not reported
- Spill Source: Commercial/Industrial
- Spill Notifier: Responsible Party
- Cleanup Ceased: Not reported
- Cleanup Meets Std: True
- Last Inspection: Not reported
- Recommended Penalty: False
- UST Trust: Not reported
- Remediation Phase: 0
- Date Entered In Computer: 2008-07-30
- Spill Record Last Update: 2008-08-16
- Spiller Name: ERTSDESK
- Spiller Company: ARIEL CABLE
- Spiller Address: 19 DIVISION STREET/WASHIN
- Spiller City,St,Zip: NEW ROCHELLE, NY
- Spiller Company: 001
- Contact Name: ERTSDESK
- Contact Phone: (212) 580-8383
- DEC Memo: "CONTRACTOR ENROUTE"
- Remarks: "6 OUNCES AND ONGOING AND CRW WILL BE ENROUTE"

Material:
- Site ID: 401964
- Operable Unit ID: 1158736
- Operable Unit: 01
- Material ID: 2149826
- Material Code: 0541A

CON EDISON (Continued) **S109206705**

Material Name: dielectric fluid
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Gallons
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

NY MANIFEST:
Country: USA
EPA ID: NYP004800058
Facility Status: Not reported
Location Address 1: WASHINGTON ST & HUEGONOT AVE
Code: BP
Location Address 2: MH 7241
Total Tanks: Not reported
Location City: NEW ROCHELLE
Location State: NY
Location Zip: Not reported
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004800058
Mailing Name: CON EDISON
Mailing Contact: DENNIS HUACON
Mailing Address 1: 4 IRVING PL 15TH FL
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124603770

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2015
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported
Generator Ship Date: 06/28/2015
Trans1 Recv Date: 06/28/2015
Trans2 Recv Date: Not reported
TSD Site Recv Date: 07/02/2015
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004800058
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID 1: NJD002200046
TSDF ID 2: Not reported

CON EDISON (Continued) **S109206705**

Manifest Tracking Number:	014469241JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	Y
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	819
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access
2 additional NY_MANIFEST: record(s) in the EDR Site Report.

K110 **MAGIC CARPET CLEANING INC** **EDR Hist Cleaner** **1018493522**
ESE **550 MAIN ST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.117 mi.
618 ft. **Site 5 of 7 in cluster K**

Relative:
Higher

EDR Hist Cleaner

Actual:
101 ft.

Year:	Name:	Type:
2003	MAGIC CARPET CLEANING INC	Carpet And Upholstery Cleaning
2004	MAGIC CARPET CLEANING INC	Carpet And Upholstery Cleaning
2005	MAGIC CARPET CLEANING INC	Carpet And Upholstery Cleaning
2006	MAGIC CARPET CLEANING INC	Carpet And Upholstery Cleaning
2007	MAGIC CARPET CLEANING INC	Carpet And Upholstery Cleaning
2008	MAGIC CARPET CLEANING INC	Carpet And Upholstery Cleaning

L111 **CALCULATOR & COMPUTER CENTER** **EDR Hist Auto** **1020373685**
ESE **548 MAIN ST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.119 mi.
630 ft. **Site 1 of 5 in cluster L**

Relative: EDR Hist Auto
Higher

	Year:	Name:	Type:
Actual:	1986	CALCULATOR & COMPUTER CENTER	General Automotive Repair Shops
101 ft.	1987	CALCULATOR & COMPUTER CENTER	General Automotive Repair Shops

---

112 **COMM/RESIDENT. PROPERTY** **NY LTANKS** **S101341321**
East **15 DIVISION STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.121 mi.
637 ft.

Relative: LTANKS:
Higher

Site ID:	119901
Spill Number/Closed Date:	9405558 / 2005-02-10
Actual: Spill Date:	1994-07-25
100 ft. Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	6010
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1994-07-25
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2003-12-02
Spill Record Last Update:	2005-02-10
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	104134
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY 09/27/95: This is additional information about material spilled from the translation of the old spill file: TANK TEST. Tank taken out of service by Royal Environmental. "
Remarks:	"TANK TEST ON 7/21/94"

Material:

Site ID:	119901

COMM/RESIDENT. PROPERTY (Continued) **S101341321**

Operable Unit ID:	1002771
Operable Unit:	01
Material ID:	382138
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Site ID:	119901
Spill Tank Test:	1542973
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	Not reported
Test Method:	Unknown

M113 **CAR DEALERSHIP** **NY Spills** **S109414588**
SSW **399 HUGUENOT ST** **N/A**
< 1/8 **NEW ROCHELLE, NY**
0.121 mi.
638 ft. **Site 1 of 6 in cluster M**

Relative:
Lower

Actual:
83 ft.

SPILLS:

Facility ID:	0911660
Facility Type:	ER
DER Facility ID:	373457
Site ID:	424492
DEC Region:	3
Spill Date:	2010-02-01
Spill Number/Closed Date:	0911660 / 2010-04-09
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2010-02-01
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	2010-02-02
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0

CAR DEALERSHIP (Continued) **S109414588**

Date Entered In Computer:	2010-02-01
Spill Record Last Update:	2010-04-09
Spiller Name:	DAN NATCHEZ
Spiller Company:	399 HUGUENOT CORP
Spiller Address:	399 HUGUENOT STREET
Spiller City,St,Zip:	NEW ROCHELLE, NY
Spiller Company:	999
Contact Name:	ERIN REILLY
Contact Phone:	(845) 778-5110
DEC Memo:	"2/2/10: Also see spill 09-11593. This site was being investigated due to vent pipes on the property. Previously unregistered out-of-service USTs were found. Marc Grazioli of WCDOH PBS will inspect. jod 4/9/10: From Marc Grazioli: I have two spill numbers open for this site, the above number and 0911593. I received a copy of the closure report for the work performed and the cleanup is complete, soil sample results were all good. DEC requires no further action at this time. jod"
Remarks:	"CONTAMINATED SOIL FOUND DURING TANK REMOVAL."

Material:

Site ID:	424492
Operable Unit ID:	1180260
Operable Unit:	01
Material ID:	2174131
Material Code:	0003A
Material Name:	#6 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Facility ID:	0911593
Facility Type:	ER
DER Facility ID:	373457
Site ID:	424416
DEC Region:	3
Spill Date:	2010-01-29
Spill Number/Closed Date:	0911593 / 2010-04-09
Spill Cause:	Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	jbodee
Referred To:	ALSO 09-11660
Reported to Dept:	2010-01-29
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True

CAR DEALERSHIP (Continued) **S109414588**

Last Inspection:	2010-02-02
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2010-01-29
Spill Record Last Update:	2010-04-09
Spiller Name:	ERIN REILLY
Spiller Company:	MITSUBISHI MOTORS
Spiller Address:	399 HUGUENOT ST
Spiller City,St,Zip:	NEW ROCHELLE, NY
Spiller Company:	999
Contact Name:	ERIN REILLY
Contact Phone:	(845) 742-9696
DEC Memo:	"1/29/10 There were several vents on site that triggered property owner to hire American Petroleum to investigate. Two tanks were discovered. They have been registered with WCDOH and will be pulled as soon as the owner receives a permit to do so from the county....mm 2/2/10: Also see Spill 09-11660. Marc Grazioli from WCDOH PBS will inspect. jod 4/9/10: From Marc Grazioli: I have two spill numbers open for this site, the above number and 0911660. I received a copy of the closure report for the work performed and the cleanup is complete, soil sample results were all good. DEC requires no further action at this time. jod"
Remarks:	"Caller reporting impacted soil samples due to prior contamination. Clean up is in progress."

Material:

Site ID:	424416
Operable Unit ID:	1180190
Operable Unit:	01
Material ID:	2174053
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Facility ID:	0811545
Facility Type:	ER
DER Facility ID:	358376
Site ID:	409123
DEC Region:	3
Spill Date:	2009-01-21
Spill Number/Closed Date:	0811545 / 2009-01-21
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
SWIS:	6010
Investigator:	kabrowne
Referred To:	Not reported

CAR DEALERSHIP (Continued) **S109414588**

Reported to Dept:	2009-01-21
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	Not reported
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2009-01-21
Spill Record Last Update:	2009-01-21
Spiller Name:	DENISE HEINZINGER
Spiller Company:	CAR DEALERSHIP
Spiller Address:	399 HUGUENOT ST
Spiller City,St,Zip:	NEW ROCHELLE, NY
Spiller Company:	999
Contact Name:	DENISE HEINZINGER
Contact Phone:	Not reported
DEC Memo:	"FIRE DEPT. OBSERVED HEAVY SHEEN FLOWING INTO STORM DRAINS. UNABLE TO FIND SHEEN IN STORM DRAINS. FIRE DEPT. TURN OFF WATER THEREFORE SPILL IS STOPPED. WCDOH WILL INVESTIGATE OWNERSHIP OF PROPERTY FOR POSSILBE VIOLATIONS. NFA."
Remarks:	"Caller states a burst water pipe at an abandoned building caused a washdown of the garage floors creating an oil sheen on the run off water."

Material:

Site ID:	409123
Operable Unit ID:	1165627
Operable Unit:	01
Material ID:	2157048
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

M114 **PAL BUICK ISUZU*** **EDR Hist Auto** **1021010674**
SSW **399 HUGUENOT STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY 10802**
0.121 mi.
638 ft. **Site 2 of 6 in cluster M**

Relative:
Lower

EDR Hist Auto

Actual:
83 ft.

Year:	Name:	Type:
1987	PAL BUICK ISUZU*	New And Used Car Dealers
1995	TALK OF THE TOWN BUICK INC	New And Used Car Dealers

M115 **VACANT** **NY UST** **U004177556**
SSW **399 HUGUENOT STREET** **NY AST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.121 mi.
638 ft. **Site 3 of 6 in cluster M**

Relative:
Lower

Actual:
83 ft.

WESTCHESTER CO. UST:

Id/Status:	3-801616 / Unregulated
Operator Name:	Atco Properties
Owner Name:	399 Huguenot Corp. c/o Atco Properties Mgmt Inc
Owner Street:	555 Fifth Avenue, 16th Floor
Owner Address2:	Not reported
Owner City:	New York
Owner State:	NY
Owner Zipcode:	10017
GDS Number:	Not reported
Tank Number:	5
Status:	3. Closed - Removed
Capacity:	1500
Product Stored:	0002. #4 Fuel Oil
Product Stored Percent:	0
Tank Leak Detection:	0. None
Date Installation:	12/01/1956
Date Perm Closure:	02/01/2010
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	0. None
Tank Secondary Containment:	0. None
Piping Location:	2. Underground/on ground
Piping Type:	1. Steel/Carbon/ steel/iron
Piping External Protection:	0. None
Overfill Prevention:	0. None
Piping Secondary Containment:	0. None
Spill Prevention:	0. None
Dispenser:	2. Suction
Tank Number:	6
Status:	4. Closed - in place
Capacity:	1000
Product Stored:	0002. #4 Fuel Oil
Product Stored Percent:	0
Tank Leak Detection:	0. None
Date Installation:	12/01/1956
Date Perm Closure:	02/01/2010
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	0. None
Tank Secondary Containment:	0. None
Piping Location:	2. Underground/on ground
Piping Type:	1. Steel/Carbon/ steel/iron
Piping External Protection:	0. None
Overfill Prevention:	0. None
Piping Secondary Containment:	0. None
Spill Prevention:	0. None
Dispenser:	2. Suction

VACANT (Continued) **U004177556**

Tank Number: 7
Status: 3. Closed - Removed
Capacity: 1000
Product Stored: 0009. Gasoline
Product Stored Percent: 0
Tank Leak Detection: 0. None
Date Installation: 12/01/1956
Date Perm Closure: 02/01/2010
Tank Location: 5. Underground including vaulted with no access for inspection
Tank Type: 1. Steel/Carbon steel/Iron
Tank Internal Protection: 0. None
Tank External Protection: 0. None
Tank Secondary Containment: 0. None
Piping Location: 3. Aboveground/underground combination
Piping Type: 1. Steel/Carbon/ steel/iron
Piping External Protection: 0. None
Overfill Prevention: 0. None
Piping Secondary Containment: 0. None
Spill Prevention: 0. None
Dispenser: 2. Suction

WESTCHESTER CO. AST:
PBS Number: 3-801616
Site Status: Unregulated
GDS Number: Not reported
Operator Name: Atco Properties
Owner Name: 399 Huguenot Corp. c/o Atco Properties Mgmt Inc
Owner Street: 555 Fifth Avenue, 16th Floor
Owner Address2: Not reported
Owner City/State/Zip: New York, NY 10017

Tank Number: 1
Status: 3. Closed - Removed
Date Installation: 01/01/1900
Capacity: 275
Product Stored: 0022. Waste/Used Oil
Product Stored Percent: 0
Date Perm Closure: 01/01/1900
Tank Location: 3. Aboveground on saddles,legs,stilts,racks or cradle
Tank Type: Not reported
Tank Internal Protection: Not reported
Tank External Protection: Not reported
Tank Leak Detection: Not reported
Tank Secondary Containment: Not reported
Piping Location: Not reported
Piping Type: Not reported
Piping External Protection: Not reported
Piping Leak Detection: Not reported
Piping Secondary Containment: Not reported
Overfill Prevention: Not reported
Spill Prevention: Not reported
Dispenser: Not reported

Tank Number: 2
Status: 3. Closed - Removed
Date Installation: 01/01/1900

VACANT (Continued) **U004177556**

Capacity:	750
Product Stored:	0015. Motor Oil
Product Stored Percent:	0
Date Perm Closure:	01/01/1900
Tank Location:	3. Aboveground on saddles,legs,stilts,racks or cradle
Tank Type:	Not reported
Tank Internal Protection:	Not reported
Tank External Protection:	Not reported
Tank Leak Detection:	Not reported
Tank Secondary Containment:	Not reported
Piping Location:	Not reported
Piping Type:	Not reported
Piping External Protection:	Not reported
Piping Leak Detection:	Not reported
Piping Secondary Containment:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Dispenser:	Not reported

Tank Number:	3
Status:	3. Closed - Removed
Date Installation:	01/01/1900
Capacity:	275
Product Stored:	0015. Motor Oil
Product Stored Percent:	0
Date Perm Closure:	01/01/1900
Tank Location:	3. Aboveground on saddles,legs,stilts,racks or cradle
Tank Type:	Not reported
Tank Internal Protection:	Not reported
Tank External Protection:	Not reported
Tank Leak Detection:	Not reported
Tank Secondary Containment:	Not reported
Piping Location:	Not reported
Piping Type:	Not reported
Piping External Protection:	Not reported
Piping Leak Detection:	Not reported
Piping Secondary Containment:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Dispenser:	Not reported

Tank Number:	4
Status:	3. Closed - Removed
Date Installation:	01/01/1900
Capacity:	275
Product Stored:	0015. Motor Oil
Product Stored Percent:	0
Date Perm Closure:	01/01/1900
Tank Location:	3. Aboveground on saddles,legs,stilts,racks or cradle
Tank Type:	Not reported
Tank Internal Protection:	Not reported
Tank External Protection:	Not reported
Tank Leak Detection:	Not reported
Tank Secondary Containment:	Not reported
Piping Location:	Not reported

VACANT (Continued) **U004177556**

Piping Type:	Not reported
Piping External Protection:	Not reported
Piping Leak Detection:	Not reported
Piping Secondary Containment:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Dispenser:	Not reported

L116 **543 MAIN STREET** **NY UST** **U003994286**
East **543 MAIN STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.121 mi.
639 ft. **Site 2 of 5 in cluster L**

Relative:
Higher

Actual:
100 ft.

WESTCHESTER CO. UST:

Id/Status:	3-801106 / Unregulated: <1101 gal. PBS
Operator Name:	Paul Risse
Owner Name:	Bluegill Realty, LLC
Owner Street:	250 West 30th Street
Owner Address2:	Not reported
Owner City:	NY
Owner State:	NY
Owner Zipcode:	10001
GDS Number:	Not reported
Tank Number:	001
Status:	3. Closed - Removed
Capacity:	2500
Product Stored:	0008. Diesel
Product Stored Percent:	Not reported
Tank Leak Detection:	0. None
Date Installation:	Not reported
Date Perm Closure:	10/07/2003
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	0. None
Tank Secondary Containment:	0. None
Piping Location:	2. Underground/on ground
Piping Type:	10. Copper
Piping External Protection:	0. None
Overfill Prevention:	0. None
Piping Secondary Containment:	Not reported
Spill Prevention:	0. None
Dispenser:	2. Suction

L117 **LILLIAN VERNON CORPORATION** **NY UST** **U003994695**
East **543-549 MAIN STREET** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.121 mi.
639 ft. **Site 3 of 5 in cluster L**

Relative:
Higher

Actual:
100 ft.

WESTCHESTER CO. UST:

Id/Status:	3-600279 / Unregulated: <1101 gal. PBS
Operator Name:	Joseph F. Dimicco
Owner Name:	Lillian Vernon Corp.

LILLIAN VERNON CORPORATION (Continued) **U003994695**

Owner Street:	510 South Fulton Ave
Owner Address2:	Not reported
Owner City:	Mount Vernon
Owner State:	NY
Owner Zipcode:	10550
GDS Number:	Not reported
Tank Number:	1
Status:	3. Closed - Removed
Capacity:	2000
Product Stored:	Not reported
Product Stored Percent:	Not reported
Tank Leak Detection:	0. None
Date Installation:	Not reported
Date Perm Closure:	Not reported
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	1. Painted/Asphalt Coating
Tank Secondary Containment:	0. None
Piping Location:	2. Underground/on ground
Piping Type:	10. Copper
Piping External Protection:	0. None
Overfill Prevention:	5. Vent Whistle
Piping Secondary Containment:	Not reported
Spill Prevention:	Not reported
Dispenser:	3. Gravity

L118 **LILLIAN VERNON CORP.** **NY LTANKS S102152290**
East **543 MAIN STREET** **NY Spills N/A**
< 1/8 **NEW ROCHELLE, NY**
0.121 mi.
639 ft. **Site 4 of 5 in cluster L**

Relative:
Higher

Actual:
100 ft.

LTANKS:

Site ID:	94435
Spill Number/Closed Date:	0308082 / 2004-05-12
Spill Date:	2003-07-14
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	6010
Investigator:	WCHD
Referred To:	Westchester Cnty Health Dept
Reported to Dept:	2003-10-30
CID:	252
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2003-10-30
Spill Record Last Update:	2004-05-19
Spiller Name:	JEFF WEIR

LILLIAN VERNON CORP. (Continued) **S102152290**

Spiller Company:	BLUE GILL REALTY
Spiller Address:	543 MAIN ST
Spiller City,St,Zip:	NEW ROCHELLE, ZZ
Spiller County:	001
Spiller Contact:	JEFF WEIR
Spiller Phone:	(646) 435-8110
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	84546
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was WCHD - MAGNUSON 5/18/04: Letter to Geoffrey J. Weir, Bluegill Realty, LLC, 250 West 30th Street, NY,NY 10001 from Karen Magnuson, WCDOH dated 12May2004. Closure report by Ambient Group has been reviewed. Results of soil and groundwater samples were satisfactory. WCDOH recommends NFA at this time. See also spill #9212475. Letter has PBS #3-801106."
Remarks:	"TANK HAS BEEN REMOVED."

Material:

Site ID:	94435
Operable Unit ID:	876585
Operable Unit:	01
Material ID:	501599
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Site ID:	94435
Spill Tank Test:	1528780
Tank Number:	1
Tank Size:	2500
Test Method:	03
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	Not reported
Test Method:	Horner EZ Check I or II

SPILLS:

Facility ID:	9212475
Facility Type:	ER
DER Facility ID:	108333
Site ID:	125220
DEC Region:	3
Spill Date:	1993-02-03
Spill Number/Closed Date:	9212475 / 2004-05-12
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response.

LILLIAN VERNON CORP. (Continued) **S102152290**

	Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1993-02-03
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2003-12-02
Spill Record Last Update:	2004-05-19
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY 5/18/04: Letter to Geoffrey J. Weir, Bluegill Realty, LLC, 250 West 30th Street, NY,NY 10001 from Karen Magnuson, WCDOH dated 12May2004. Closure report by Ambient Group has been reviewed. Results of soil and groundwater samples were satisfactory. WCDOH recommends NFA at this time. See also spill #0308082."
Remarks:	"FUEL OIL LINE HAS PIN HOLE LEAK DISCOVERED IN EXCAVATION BY EMER.ENVIRO. SERVICE TODAY REMOTE FILL LINE 2 VERY BADLY PITTED AND CORRODED WILL DRILL WELL 2/4/93"

Material:

Site ID:	125220
Operable Unit ID:	976940
Operable Unit:	01
Material ID:	402326
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Pounds
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

H119 **PRECIOUS RUGS LIQUIDATORS** **EDR Hist Cleaner** **1018534457**
South **616 MAIN ST** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.122 mi.
644 ft. **Site 12 of 12 in cluster H**

Relative: EDR Hist Cleaner
Lower

Year:	Name:	Type:
Actual: 1992	PRECIOUS RUGS LIQUIDATORS	Carpet And Upholstery Cleaning
87 ft. 1993	PRECIOUS RUGS LIQUIDATORS	Carpet And Upholstery Cleaning

---

J120 **THE BREAD FACTORY** **NY Spills** **S117851716**
WNW **30 GROVE AVE** **N/A**
< 1/8 **NEW ROCHELLE, NY 10801**
0.125 mi.
660 ft. **Site 2 of 2 in cluster J**

Relative: SPILLS:
Lower

Actual: Facility ID:	1412307
89 ft. Facility Type:	ER
DER Facility ID:	460919
Site ID:	506123
DEC Region:	3
Spill Date:	2015-03-31
Spill Number/Closed Date:	1412307 / 2015-11-09
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. (Highly Improbable)
SWIS:	6010
Investigator:	ELMOORE
Referred To:	Not reported
Reported to Dept:	2015-03-31
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2015-03-31
Spill Record Last Update:	2015-11-09
Spiller Name:	IRA LAMPERT-BANK REP
Spiller Company:	THE BREAD FACTORY
Spiller Address:	30 GROVE AVE
Spiller City,St,Zip:	NEW ROCHELLE, NY 10801
Spiller Company:	999
Contact Name:	RYAN MORLEY
Contact Phone:	(516) 424-4603
DEC Memo:	"Could not reach caller. Left a message on his voice mail to send the Phase II report to T Ghiosay, White Plains office...mm 04/02/15 Ryan Morley will email the report to Ghiosay when it is complete. TG 6/10/2015 -- GH said this does not rise to the level of a P . I spoke to notifier. He will give me an email RIWP and ultimately perform a dig out. ELM 09/30/2015 Email in DecDocs; work scheduled for October 13--- 11/09/2015 Closed spill out not meeting standards per ELM; report by Castlton 11/5/2015 in DecDocs---BHY"

THE BREAD FACTORY (Continued) **S117851716**

Remarks: "During phase 2 investigation discovered oil in the soil & ground water while well was being set up. Cleanup is pending."

Material:

Site ID:	506123
Operable Unit ID:	1255438
Operable Unit:	01
Material ID:	2258169
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

L121 **CON EDISON - TRANSFORMER MANHOLE 3307** **RCRA-LQG** **1019325947**
East **DIVISION ST & MAIN ST** **NYP004872319**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.139 mi.
733 ft. **Site 5 of 5 in cluster L**

Relative:
Higher

Actual:
99 ft.

RCRA-LQG:

Date form received by agency:	02/26/2016
Facility name:	CON EDISON - TRANSFORMER MANHOLE 3307
Facility address:	DIVISION ST & MAIN ST NEW ROCHELLE, NY 10801
EPA ID:	NYP004872319
Mailing address:	IRVING PLACE, 15TH FL NE NEW YORK, NY 10003
Contact:	THERESA BURKARD
Contact address:	IRVING PLACE, 15TH FL NE NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 460-2262
Contact email:	BURKARDT@CONED.COM
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

CON EDISON - TRANSFORMER MANHOLE 3307 (Continued) **1019325947**

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address: IRVING PLACE
NEW YORK, NY 10003
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/23/2015
Owner/Op end date: Not reported

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address: IRVING PLACE
NEW YORK, NY 10003
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/23/2015
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

M122 **PAL BUICK INC** **RCRA NonGen / NLR** **1000278168**
SSW **399 HOGUENOT ST** **FINDS** **NYD043627058**
1/8-1/4 **NEW ROCHELLE, NY 10801** **ECHO**
0.146 mi. **NY MANIFEST**
770 ft. **Site 4 of 6 in cluster M**

Relative:
Lower

Actual:
81 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: PAL BUICK INC
Facility address: 399 HOGUENOT ST
NEW ROCHELLE, NY 10801
EPA ID: NYD043627058
Mailing address: HOGUENOT ST
NEW ROCHELLE, NY 10801
Contact: Not reported
Contact address: HOGUENOT ST

PAL BUICK INC (Continued) **1000278168**

NEW ROCHELLE, NY 10801
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: JOHN PALADINO
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Owner/operator name: JOHN PALADINO
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: PAL BUICK INC
Classification: Not a generator, verified

Date form received by agency: 04/03/1995
Site name: PAL BUICK INC
Classification: Not a generator, verified

. Waste code: NONE

PAL BUICK INC (Continued) **1000278168**

. Waste name: None

Date form received by agency: 10/22/1986
Site name: PAL BUICK INC
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110006443820

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000278168
Registry ID: 110006443820
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110006443820

NY MANIFEST:
Country: USA
EPA ID: NYD043627058
Facility Status: Not reported
Location Address 1: 399 HUGENOT STREET PO BOX 608
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: NEW ROCHELLE
Location State: NY
Location Zip: 10801
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD043627058
Mailing Name: GOULD BUICK INCORPORATED
Mailing Contact: GOULD BUICK INCORPORATED
Mailing Address 1: 399 HUGENOT STREET PO BOX 608
Mailing Address 2: Not reported
Mailing City: NEW ROCHELLE
Mailing State: NY
Mailing Zip: 10801
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 9166321200

NY MANIFEST:
Document ID: NYA6488991

PAL BUICK INC (Continued) **1000278168**

Manifest Status:	C
seq:	Not reported
Year:	1987
Trans1 State ID:	79627GU
Trans2 State ID:	Not reported
Generator Ship Date:	02/03/1987
Trans1 Recv Date:	02/03/1987
Trans2 Recv Date:	/ /
TSD Site Recv Date:	02/03/1987
Part A Recv Date:	02/09/1987
Part B Recv Date:	02/09/1987
Generator EPA ID:	NYD043627058
Trans1 EPA ID:	ILD000805911
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD000708172
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00090
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
2 additional NY_MANIFEST: record(s) in the EDR Site Report.

K123 **CON EDISON SERVICE BOX: 3313** **RCRA NonGen / NLR** **1016973761**
SE **LEROY PL & CENTER AVE** **NY MANIFEST** **NYP004475687**
1/8-1/4 **NEW ROCHELLE, NY 10802**
0.147 mi.
774 ft. **Site 6 of 7 in cluster K**

Relative:
Higher

Actual:
101 ft.

RCRA NonGen / NLR:

Date form received by agency:	04/22/2014
Facility name:	CON EDISON SERVICE BOX: 3313
Facility address:	LEROY PL & CENTER AVE NEW ROCHELLE, NY 10802
EPA ID:	NYP004475687
Mailing address:	IRVING PL, 15TH FL NE

CON EDISON SERVICE BOX: 3313 (Continued) **1016973761**

NEW YORK, NY 10003
Contact: THOMAS TEELING
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (212) 460-3770
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/22/2014
Site name: CON EDISON SERVICE BOX: 3313
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
Country: USA
EPA ID: NYP004475687
Facility Status: Not reported
Location Address 1: SEC LEROY & CENTRE AVE
Code: BP
Location Address 2: SB3313
Total Tanks: Not reported
Location City: NEW ROCHELLE
Location State: NY
Location Zip: 10801
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004475687
Mailing Name: CON EDISON
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING ST
Mailing Address 2: 15TH ST
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003

CON EDISON SERVICE BOX: 3313 (Continued) **1016973761**

Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2014
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	03/22/2014
Trans1 Recv Date:	03/22/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/25/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004475687
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012772784JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

K124 **CON EDISON SERVICE BOX: 3313** **RCRA NonGen / NLR** **1017773973**
SE **CENTRE AVE & LEROY** **FINDS** **NYP004517694**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.147 mi.
774 ft. **Site 7 of 7 in cluster K**

Relative:
Higher

Actual:
101 ft.

RCRA NonGen / NLR:

Date form received by agency:	05/30/2014
Facility name:	CON EDISON SERVICE BOX: 3313
Facility address:	CENTRE AVE & LEROY NEW ROCHELLE, NY 10801
EPA ID:	NYP004517694
Mailing address:	IRVING PL, 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	04/30/2014
Site name:	CON EDISON
Classification:	Large Quantity Generator

Date form received by agency:	04/30/2014
Site name:	CON EDISON
Classification:	Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110063800506

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

CON EDISON SERVICE BOX: 3313 (Continued) **1017773973**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

M125 **EXXON DIV OF CFI #70288** **RCRA-CESQG 1004757817**
South **635 MAIN ST** **NY MANIFEST NYD986954857**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.147 mi.
775 ft. **Site 5 of 6 in cluster M**

Relative:
Lower

Actual:
85 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	EXXON DIV OF CFI #70288
Facility address:	635 MAIN ST NEW ROCHELLE, NY 10801
EPA ID:	NYD986954857
Mailing address:	DEDHAM ST CANTON, MA 02021
Contact:	MAUREEN JERNSTEDT
Contact address:	DEDHAM ST CANTON, MA 02021
Contact country:	US
Contact telephone:	(800) 225-9702
Telephone ext.:	3378
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	TOSCO
Owner/operator address:	PO BOX 52085 PHOENIX, AZ 85072
Owner/operator country:	Not reported
Owner/operator telephone:	(602) 728-8000
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/01/2000
Owner/Op end date:	Not reported

EXXON DIV OF CFI #70288 (Continued) **1004757817**

Owner/operator name: NO NAME FOUND
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/10/2003
Owner/Op end date: Not reported

Owner/operator name: TOSCO
Owner/operator address: PO BOX 52085
PHOENIX, AZ 85072
Owner/operator country: US
Owner/operator telephone: (602) 728-8000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/01/2000
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: EXXON DIV OF CFI #70288
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 10/05/2004
Site name: EXXON DIV OF CFI #70288
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 08/10/2004
Site name: EXXON #70288
Classification: Large Quantity Generator

EXXON DIV OF CFI #70288 (Continued) **1004757817**

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 08/08/2001
Site name: TOSCO #34658
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 03/13/1991
Site name: TOSCO #34658
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
Country: USA
EPA ID: NYD986954857
Facility Status: Not reported
Location Address 1: EXXON3-2471635 MAIN ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: NEW ROCHELLE
Location State: NY
Location Zip: 10801
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD986954857
Mailing Name: EXXON COMPANY U S A
Mailing Contact: EXXON COMPANY U S A
Mailing Address 1: P O BOX 4415
Mailing Address 2: Not reported
Mailing City: HOUSTON
Mailing State: TX
Mailing Zip: 77210
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 8009923647

NY MANIFEST:
Document ID: CTF1136063
Manifest Status: Not reported
seq: 01
Year: 2003
Trans1 State ID: CA016
Trans2 State ID: Not reported

EXXON DIV OF CFI #70288 (Continued) **1004757817**

Generator Ship Date:	10/02/2003
Trans1 Recv Date:	10/02/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/07/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986954857
Trans1 EPA ID:	CAR000118992
Trans2 EPA ID:	Not reported
TSDF ID 1:	CTD002593887
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	01000
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TP - Tanks, portable
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

Click this hyperlink while viewing on your computer to access
9 additional NY_MANIFEST: record(s) in the EDR Site Report.

M126 **FERRIS-CAPUTO ENTERPRISES INC** **EDR Hist Auto** **1021478885**
South **635 MAIN STREET** **N/A**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.147 mi.
775 ft. **Site 6 of 6 in cluster M**

Relative: EDR Hist Auto
Lower

Actual: **85 ft.**

Year:	Name:	Type:
1974	FERRIS-CAPUTO ENTERPRISES INC	Gasoline Service Stations
1975	FERRIS-CAPUTO ENTERPRISES INC	Gasoline Service Stations
1976	CAPUTO ENTERPRISES INC	Gasoline Service Stations
1977	CAPUTO ENTERPRISES INC	Gasoline Service Stations
1979	F L C GASOLINE SERVICE INC	General Automotive Repair Shops
1980	F L C GASOLINE SERVICE INC	General Automotive Repair Shops
1982	F L C GASOLINE SERVICE INC	General Automotive Repair Shops
1983	F L C GASOLINE SERVICE INC	General Automotive Repair Shops
1985	NEW ROCHELLE SERVICE CENTER *	General Automotive Repair Shops

FERRIS-CAPUTO ENTERPRISES INC (Continued) **1021478885**

1986	NEW ROCHELLE SERVICE CENTER *	General Automotive Repair Shops
1987	NEW ROCHELLE SERVICE CENTER *	General Automotive Repair Shops
1988	NEW ROCHELLE SERVICE CTR LTD	General Automotive Repair Shops
1989	NEW ROCHELLE SERVICE CTR LTD	General Automotive Repair Shops
1990	NEW ROCHELLE SERVICE CTR LTD	General Automotive Repair Shops
1991	NEW ROCHELLE SERVICE CTR LTD	General Automotive Repair Shops
1992	NEW ROCHELLE SERVICE CTR LTD	General Automotive Repair Shops
1993	NEW ROCHELLE SERVICE CTR LTD	Gasoline Service Stations, NEC
1994	NEW ROCHELLE SERVICE CTR LTD	Gasoline Service Stations, NEC
1995	NEW ROCHELLE SERVICE CTR LTD	Gasoline Service Stations, NEC
1996	NEW ROCHELLE SERVICE CTR LTD	Gasoline Service Stations, NEC
1997	NEW ROCHELLE SERVICE CTR LTD	Gasoline Service Stations, NEC
1998	NEW ROCHELLE SERVICE CTR LTD	Gasoline Service Stations, NEC
1999	NEW ROCHELLE SERVICE CTR LTD	Gasoline Service Stations, NEC
2000	NEW ROCHELLE SERVICE CTR LTD	Gasoline Service Stations, NEC
2001	NEW ROCHELLE SERVICE CTR LTD	Gasoline Service Stations, NEC
2002	NEW ROCHELLE SERVICE CENTER	Gasoline Service Stations, NEC
2003	NEW ROCHELLE SERVICE CENTER	Gasoline Service Stations, NEC
2004	NEW ROCHELLE SERVICE CENTER	Gasoline Service Stations, NEC
2005	NEW ROCHELLE SERVICE CENTER	Gasoline Service Stations, NEC
2006	NEW ROCHELLE SERVICE CENTER	Gasoline Service Stations, NEC
2007	NEW ROCHELLE SERVICE CENTER	Gasoline Service Stations, NEC
2012	MAIN STREET GASOLINE CTR LLC	Gasoline Service Stations, NEC
2013	MAIN STREET GASOLINE CTR LLC	Gasoline Service Stations, NEC
2014	MAIN STREET GASOLINE CTR LLC	Gasoline Service Stations, NEC

N127 **NYSDOT BIN 1091390** **RCRA NonGen / NLR** **1000790435**
North **DIVISION ST OVER I 95** **NYD987019197**
1/8-1/4 **NEW ROCHELLE, NY 10803**
0.149 mi.
788 ft. **Site 1 of 3 in cluster N**

Relative:
Lower

Actual:
79 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NYSDOT BIN 1091390
Facility address:	DIVISION ST OVER I 95 NEW ROCHELLE, NY 10803
EPA ID:	NYD987019197
Mailing address:	BURNETT BLVD POUGHKEEPSIE, NY 12603
Contact:	RICHARD MANNS
Contact address:	BURNETT BLVD POUGHKEEPSIE, NY 12603
Contact country:	US
Contact telephone:	(914) 431-5743
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NYSDOT
Owner/operator address:	4 BURNETT BLVD POUGHKEEPSIE, NY 12603
Owner/operator country:	US
Owner/operator telephone:	(914) 431-5743
Legal status:	State

NYSDOT BIN 1091390 (Continued) **1000790435**

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NYSDOT
Owner/operator address: 4 BURNETT BLVD
POUGHKEEPSIE, NY 12603
Owner/operator country: US
Owner/operator telephone: (914) 431-5743
Legal status: State
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: NYSDOT BIN 1091390
Classification: Not a generator, verified

Date form received by agency: 09/25/1992
Site name: NYSDOT BIN 1091390
Classification: Not a generator, verified

. Waste code: D000
. Waste name: Not Defined

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

O128
SW
1/8-1/4
0.159 mi.
841 ft.

Relative:
Lower

Actual:
56 ft.

RUSH MFG CORP
10-12 PINE CT
NEW ROCHELLE, NY 10801

Site 1 of 2 in cluster O

Database(s): CORRACTS, RCRA-CESQG, NY Spills, FINDS, ECHO, RI MANIFEST, NJ MANIFEST

EDR ID Number: 1000201737
EPA ID Number: NYD075436394

CORRACTS:

EPA ID:	NYD075436394
EPA Region:	2
Area Name:	SITEWIDE
Actual Date:	19940503
Action:	CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s):	336413 332999 336413 Other Aircraft Parts and Auxiliary Equipment Manufacturing All Other Miscellaneous Fabricated Metal Product Manufacturing Other Aircraft Parts and Auxiliary Equipment Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD075436394
EPA Region:	2
Area Name:	SITEWIDE
Actual Date:	19920922
Action:	CA050 - RFA Completed
NAICS Code(s):	336413 332999 336413 Other Aircraft Parts and Auxiliary Equipment Manufacturing All Other Miscellaneous Fabricated Metal Product Manufacturing Other Aircraft Parts and Auxiliary Equipment Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	RUSH MANUFACTURING CORP
Facility address:	10-12 PINE CT NEW ROCHELLE, NY 10801
EPA ID:	NYD075436394
Mailing address:	PINE CT NEW ROCHELLE, NY 10801
Contact:	DENNIS MCNAMARA
Contact address:	PINE CT NEW ROCHELLE, NY 10801
Contact country:	US
Contact telephone:	(914) 636-2700
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any

RUSH MFG CORP (Continued) **1000201737**

land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	TELEDYNE HYDRA-POWER
Owner/operator address:	10-12 PINE COURT OPERCITY, NY 99999
Owner/operator country:	US
Owner/operator telephone:	(914) 632-2200
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	RUSH MANUFACTURING CORP
Owner/operator address:	10-12 PINE CT NEW ROCHELLE, NY 10801
Owner/operator country:	US
Owner/operator telephone:	(914) 636-2700
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Site name:	RUSH MANUFACTURING CORP
Classification:	Conditionally Exempt Small Quantity Generator

Date form received by agency:	06/09/1997
Site name:	RUSH MANUFACTURING CORP
Classification:	Conditionally Exempt Small Quantity Generator

RUSH MFG CORP (Continued) **1000201737**

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U140
. Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U238
. Waste name: CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Date form received by agency: 02/25/1992
Site name: TELEDYNE HYDRA-POWER
Classification: Large Quantity Generator

Date form received by agency: 11/19/1980
Site name: RUSH MANUFACTURING CORP

RUSH MFG CORP (Continued) **1000201737**

Classification: Not a generator, verified

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U140
. Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U238
. Waste name: CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Date form received by agency: 12/31/1979
Site name: RUSH MANUFACTURING CORP
Classification: Large Quantity Generator

Corrective Action Summary:
Event date: 09/22/1992
Event: RFA Completed

Event date: 05/03/1994
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/26/1990

RUSH MFG CORP (Continued) **1000201737**

Date achieved compliance: 05/02/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/12/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 02/23/1989
Date achieved compliance: 05/12/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/27/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/16/1988
Date achieved compliance: 11/17/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/09/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/27/1987
Date achieved compliance: 11/17/1988
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/19/1986
Date achieved compliance: 05/27/1986

RUSH MFG CORP (Continued) **1000201737**

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/15/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 02/23/1984
Date achieved compliance: 10/07/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/27/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 01/26/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/02/1990
Evaluation lead agency: State

Evaluation date: 02/23/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/12/1989
Evaluation lead agency: State

Evaluation date: 03/16/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/17/1988
Evaluation lead agency: State

Evaluation date: 03/11/1988
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/27/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/17/1988
Evaluation lead agency: EPA

Evaluation date: 03/19/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

RUSH MFG CORP (Continued) **1000201737**

Area of violation: Generators - General
Date achieved compliance: 05/27/1986
Evaluation lead agency: State

Evaluation date: 02/23/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/07/1985
Evaluation lead agency: State

SPILLS:
Facility ID: 0901536
Facility Type: ER
DER Facility ID: 350696
Site ID: 413531
DEC Region: 3
Spill Date: 2009-05-07
Spill Number/Closed Date: 0901536 / 2009-06-22
Spill Cause: Unknown
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 6010
Investigator: TDGHIOSA
Referred To: Not reported
Reported to Dept: 2009-05-07
CID: Not reported
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Local Agency
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2009-05-07
Spill Record Last Update: 2009-06-22
Spiller Name: Not reported
Spiller Company: ALPHA MEDICAL
Spiller Address: Not reported
Spiller City,St,Zip: NY
Spiller Company: 999
Contact Name: NIKI
Contact Phone: (914) 777-1930
DEC Memo: "5/7/09 At a construction site, contaminated soils were encountered, which was confirmed by soil tests done by Northeast. They will be doing the site remediation and will submit a cleanup report. dw 06/12/09 Northeast Environmental provided oversight activity when petroleum impacted soil was discovered and need to be removed. Remediation consisted of the removal of 425.66 tons of petroleum contaminated soil. Post excavation TAGM soil sample results were all below DEC guidance values. NFA required. TG"
Remarks: "1231 The caller advised dispatch North East Environmental will conduct the clean up. The caller requested a call back. No water ways affected."

Material:
Site ID: 413531

RUSH MFG CORP (Continued) **1000201737**

Operable Unit ID:	1169955
Operable Unit:	01
Material ID:	2161660
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Facility ID:	0804532
Facility Type:	ER
DER Facility ID:	350696
Site ID:	401456
DEC Region:	3
Spill Date:	2008-07-21
Spill Number/Closed Date:	0804532 / 2008-09-26
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	TDGHIOSA
Referred To:	Not reported
Reported to Dept:	2008-07-21
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2008-07-21
Spill Record Last Update:	2008-09-26
Spiller Name:	MICHEAL
Spiller Company:	COMMERCIAL MACHINE SHOP
Spiller Address:	10-12 PINE COURT
Spiller City,St,Zip:	NEW ROCHELLE, NY
Spiller Company:	001
Contact Name:	MICHEAL
Contact Phone:	(845) 561-1512
DEC Memo:	"08/01/08 Conklin Services & Construction submitted a Limited Subsurface Investigation Report. Four geoprobe borings were placed around an abandoned tank. Slight soil contamination exists in borings 1 and 2, however the levels are below DEC TAGM guidance values. NFA TG"
Remarks:	"SOIL BORINGS SHOWED CONTAMINATED SHOP"

Material:

RUSH MFG CORP (Continued) **1000201737**

Site ID:	401456
Operable Unit ID:	1158245
Operable Unit:	01
Material ID:	2149301
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

FINDS:

Registry ID: 110009468343

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000201737
Registry ID:	110009468343
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009468343

RI MANIFEST:

EPA Id:	NYD075436394
Manifest Document Number:	CTC0168898
GEN Cert Date:	10/7/1991
TSDF Id:	CTD021816889
TSDF Name:	UNITED

RUSH MFG CORP (Continued) **1000201737**

TSDF Date:	Not reported
Transporter 2 Id:	Not reported
Transporter 2 Name:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	F002
Waste Code2:	Not reported
Waste Code3:	Not reported
Fee Exempt Code:	Not reported
Comment:	Not reported

Details:

EPA ID:	NYD075436394
Manifest Docket Number:	CTC0168898
Waste Description:	OIL
Quantity:	575
WT/Vol Units:	G
Item Number:	1
Transporter Name:	SEALAND
Transporter EPA ID:	CTD983872748
GEN Cert Date:	10/7/1991
Transporter Receipt Date:	Not reported
Transporter 2 Receipt Date:	Not reported
TSDF Receipt Date:	Not reported
Transporter 2 ID:	Not reported

EPA ID:	NYD075436394
Manifest Docket Number:	CTC0168898
Waste Description:	OIL
Quantity:	575
WT/Vol Units:	G
Item Number:	1
Transporter Name:	SEALAND
Transporter EPA ID:	CTD983872748
GEN Cert Date:	10/7/1991
Transporter Receipt Date:	Not reported
Transporter 2 Receipt Date:	Not reported
TSDF Receipt Date:	Not reported
Transporter 2 ID:	Not reported

NJ MANIFEST:

EPA Id:	NYD075436394
Mail Address:	Not reported
Mail City/State/Zip:	Not reported
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	Not reported
Comments:	Not reported
SIC Code:	Not reported
County:	00
Municipal:	00
Previous EPA Id:	Not reported
Gen Flag:	X
Trans Flag:	X
TSDF Flag:	X

RUSH MFG CORP (Continued) **1000201737**

Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	001619722SKS
EPA ID:	NYD075436394
Date Shipped:	02/23/2009
TSDF EPA ID:	NJD982270506
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/23/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/26/2009
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	No
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D039
Hand Code:	H141
Quantity:	7 G

Manifest Number:	001803673SKS
EPA ID:	NYD075436394
Date Shipped:	05/08/2009
TSDF EPA ID:	NJD982270506
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported

RUSH MFG CORP (Continued) **1000201737**

Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/08/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/14/2009
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	No
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D039
Hand Code:	H141
Quantity:	7 G

Manifest Number:	002115978SKS
EPA ID:	NYD075436394
Date Shipped:	10/01/2009
TSDF EPA ID:	NJD982270506
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	10/01/2009
Date Trans2 Transported Waste:	Not reported

RUSH MFG CORP (Continued) **1000201737**

Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	10/08/2009
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	No
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D039
Hand Code:	H141
Quantity:	5 G

Manifest Number:	001811141SKS
EPA ID:	NYD075436394
Date Shipped:	08/31/2009
TSDF EPA ID:	NJD982270506
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	08/31/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/03/2009
TSDF EPA Facility Name:	Not reported

RUSH MFG CORP (Continued) **1000201737**

QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	No
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D039
Hand Code:	H141
Quantity:	8 G

Manifest Number:	000266181CEX
EPA ID:	NYD075436394
Date Shipped:	10/30/2009
TSDF EPA ID:	NJD982270506
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	10/30/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	11/05/2009
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported

RUSH MFG CORP (Continued) **1000201737**

Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Was Load Rejected: No
Reason Load Was Rejected: Not reported

Waste:
Manifest Year: Not reported
Waste Code: D039
Hand Code: H141
Quantity: 9 G

Manifest Number: 002486638SKS
EPA ID: NYD075436394
Date Shipped: 01/29/2010
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 9 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 01/29/2010
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 02/01/2010
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Was Load Rejected: No
Reason Load Was Rejected: Not reported

Waste:
Manifest Year: Not reported
Waste Code: D039
Hand Code: H020
Quantity: 7 G

RUSH MFG CORP (Continued) **1000201737**

Manifest Number:	001819324SKS
EPA ID:	NYD075436394
Date Shipped:	07/16/2009
TSDF EPA ID:	NJD982270506
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/16/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/21/2009
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	No
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D039
Hand Code:	H141
Quantity:	8 G

Manifest Number:	001632477SKS
EPA ID:	NYD075436394
Date Shipped:	01/30/2009
TSDF EPA ID:	NJD982270506
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported

RUSH MFG CORP (Continued) **1000201737**

Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	01/30/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/05/2009
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	No
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D039
Hand Code:	H141
Quantity:	7 G

N129 **SOUND CLEANER** **NY DRYCLEANERS** **S110247943**
NNE **63 MEMORIAL HWY** **N/A**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.170 mi.
899 ft. **Site 2 of 3 in cluster N**

Relative:
Lower

Actual:
83 ft.

DRYCLEANERS:

Facility ID:	Not reported
Phone Number:	Not reported
Region:	3
Registration Effective Date:	Not reported
Inspection Date:	Not reported
Install Date:	Not reported
Drop Shop:	Not reported
Shutdown:	Not reported
Alternate Solvent:	Not reported
Current Business:	Not reported

N130 **SOUND CLEANERS** **EDR Hist Cleaner** **1020090702**
NNE **63 MEMORIAL HWY** **N/A**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.170 mi.
899 ft. **Site 3 of 3 in cluster N**

Relative: EDR Hist Cleaner
Lower

Actual: **83 ft.**

Year:	Name:	Type:
2007	SOUND CLEANERS	Drycleaning Plants, Except Rugs, NEC
2008	SOUND CLEANERS	Drycleaning Plants, Except Rugs, NEC
2009	SOUND CLEANERS	Drycleaning Plants, Except Rugs, NEC
2010	SOUND CLEANERS	Drycleaning Plants, Except Rugs, NEC
2011	SOUND CLEANERS	Drycleaning Plants, Except Rugs, NEC
2012	SOUND CLEANERS	Drycleaning Plants, Except Rugs, NEC
2013	SOUND CLEANERS	Drycleaning Plants, Except Rugs, NEC
2014	SOUND CLEANERS	Drycleaning Plants, Except Rugs, NEC

P131 **CHAN HOI KUEN** **EDR Hist Cleaner** **1019952290**
ESE **5 LE ROY PL** **N/A**
1/8-1/4 **NEW ROCHELLE, NY 10805**
0.175 mi.
926 ft. **Site 1 of 3 in cluster P**

Relative: EDR Hist Cleaner
Higher

Actual: **100 ft.**

Year:	Name:	Type:
1970	CHAN HOI KUEN	Garment Pressing And Cleaners' Agents
1971	CHAN HOI KUEN	Garment Pressing And Cleaners' Agents
1972	CHAN HOI KUEN	Garment Pressing And Cleaners' Agents

P132 **ROTH BROTHERS CLEANERS** **EDR Hist Cleaner** **1020077485**
ESE **1 LEROY PL** **N/A**
1/8-1/4 **NEW ROCHELLE, NY 10805**
0.177 mi.
935 ft. **Site 2 of 3 in cluster P**

Relative: EDR Hist Cleaner
Higher

Actual: **100 ft.**

Year:	Name:	Type:
1987	ROTH BROS CLEANERS	Drycleaning Plants, Except Rugs
1988	ROTH BROS CLEANERS	Drycleaning Plants, Except Rugs
1989	ROTH BROS CLEANERS	Drycleaning Plants, Except Rugs
1990	ROTH BROS CLEANERS	Power Laundries, Family And Commercial
1990	ROTH BROS CLEANERS	Drycleaning Plants, Except Rugs
1991	ROTH BROS CLEANERS	Drycleaning Plants, Except Rugs
1991	ROTH BROS CLEANERS	Power Laundries, Family And Commercial
1992	ROTH BROTHERS CLEANERS	Power Laundries, Family And Commercial
1993	ROTH BROTHERS CLEANERS	Power Laundries, Family And Commercial
1994	ROTH BROTHERS CLEANERS	Power Laundries, Family And Commercial
1995	ROTH BROTHERS CLEANERS	Power Laundries, Family And Commercial
1996	ROTH BROTHERS CLEANERS	Power Laundries, Family And Commercial
1997	ROTH BROTHERS CLEANERS	Power Laundries, Family And Commercial
1998	ROTH BROTHERS CLEANERS	Power Laundries, Family And Commercial
1999	ROTH BROTHERS CLEANERS	Power Laundries, Family And Commercial
2000	ROTH BROTHERS CLEANERS	Power Laundries, Family And Commercial
2006	ROTH BROTHERS CLEANERS	Power Laundries, Family And Commercial
2007	ROTH BROTHERS CLEANERS	Power Laundries, Family And Commercial

ROTH BROTHERS CLEANERS (Continued) **1020077485**

2008 ROTH BROTHERS CLEANERS Power Laundries, Family And Commercial

---

P133 **ROTH CLEANERS** **RCRA NonGen / NLR** **1000237840**
ESE **1 LEROY PL** **FINDS** **NYD078706686**
1/8-1/4 **NEW ROCHELLE, NY 10805** **ECHO**
0.177 mi. **NY DRYCLEANERS**
935 ft. **Site 3 of 3 in cluster P** **NY MANIFEST**

Relative: Higher

Actual: 100 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	ROTH CLEANERS
Facility address:	1 LEROY PL NEW ROCHELLE, NY 10805
EPA ID:	NYD078706686
Mailing address:	LEROY PL NEW ROCHELLE, NY 10805
Contact:	BEN ROTH
Contact address:	LEROY PL NEW ROCHELLE, NY 10805
Contact country:	US
Contact telephone:	(914) 633-7114
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	BEN ROTH
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	BEN ROTH
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

ROTH CLEANERS (Continued) **1000237840**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: ROTH CLEANERS
Classification: Not a generator, verified

Date form received by agency: 08/27/1986
Site name: ROTH CLEANERS
Classification: Small Quantity Generator

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 04/24/1987
Date achieved compliance: 04/26/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/24/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/24/1987
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Manifest
Date achieved compliance: 04/26/1987
Evaluation lead agency: State

FINDS:

Registry ID: 110004370369

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource

ROTH CLEANERS (Continued) **1000237840**

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000237840
Registry ID:	110004370369
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004370369

DRYCLEANERS:

Facility ID:	3-5510-00292
Phone Number:	914-633-7114
Region:	Not reported
Registration Effective Date:	N/A
Inspection Date:	09JUL16
Install Date:	98
Drop Shop:	Not reported
Shutdown:	Y
Alternate Solvent:	Not reported
Current Business:	Not reported

NY MANIFEST:

Country:	USA
EPA ID:	NYD078706686
Facility Status:	Not reported
Location Address 1:	1 LEROY PLACE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10805
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD078706686
Mailing Name:	ROTH CLEANERS
Mailing Contact:	ROTH CLEANERS
Mailing Address 1:	1 LEROY PLACE
Mailing Address 2:	Not reported
Mailing City:	NEW ROCHELLE
Mailing State:	NY
Mailing Zip:	10805
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9146337114

ROTH CLEANERS (Continued) **1000237840**

NY MANIFEST:

Document ID:	NYC6190896
Manifest Status:	Not reported
seq:	01
Year:	2000
Trans1 State ID:	NYCR2436
Trans2 State ID:	TNT218034
Generator Ship Date:	06/23/2000
Trans1 Recv Date:	06/23/2000
Trans2 Recv Date:	06/28/2000
TSD Site Recv Date:	06/30/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD078706686
Trans1 EPA ID:	SCR000075150
Trans2 EPA ID:	SCR000074591
TSDF ID 1:	OHD980587364
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00300
Units:	P - Pounds
Number of Containers:	005
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

Click this hyperlink while viewing on your computer to access
140 additional NY_MANIFEST: record(s) in the EDR Site Report.

Q134 **CON EDISON TRANSFORMER MANHOLE: 3586** **RCRA NonGen / NLR** **1016974043**
East **CHURCH ST & MAIN ST** **NY MANIFEST** **NYP004478517**
1/8-1/4 **NEW ROCHELLE, NY 10802**
0.178 mi.
939 ft. **Site 1 of 5 in cluster Q**

Relative:
Higher

Actual:
97 ft.

RCRA NonGen / NLR:

Date form received by agency:	04/25/2014
Facility name:	CON EDISON TRANSFORMER MANHOLE: 3586
Facility address:	CHURCH ST & MAIN ST NEW ROCHELLE, NY 10802
EPA ID:	NYP004478517
Mailing address:	IRVING PL, 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	03/25/2014
Site name:	CON EDISON TRANSFORMER MANHOLE: 3586
Classification:	Conditionally Exempt Small Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

Country:	USA
EPA ID:	NYP004478517
Facility Status:	Not reported
Location Address 1:	CHURCH MAIN ST
Code:	BP
Location Address 2:	SB3586
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10801

CON EDISON TRANSFORMER MANHOLE: 3586 (Continued) **1016974043**

Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004478517
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING ST
Mailing Address 2:	15TH ST
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2014
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	03/25/2014
Trans1 Recv Date:	03/25/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/27/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004478517
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012770521JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	200
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1

CON EDISON TRANSFORMER MANHOLE: 3586 (Continued) **1016974043**

Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

Q135
East
1/8-1/4
0.178 mi.
939 ft.

CON EDISON TRANSFORMER MANHOLE: 5042 **RCRA NonGen / NLR** **1016963458**
MAIN ST & CHRUCH ST **NY MANIFEST** **NYP004364576**
NEW ROCHELLE, NY 10801

Site 2 of 5 in cluster Q

Relative:
Higher

Actual:
97 ft.

RCRA NonGen / NLR:

Date form received by agency:	10/23/2013
Facility name:	CON EDISON TRANSFORMER MANHOLE: 5042
Facility address:	MAIN ST & CHRUCH ST NEW ROCHELLE, NY 10801
EPA ID:	NYP004364576
Mailing address:	IRVING PL, 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	09/23/2013
Site name:	CON EDISON TRANSFORMER MANHOLE: 5042
Classification:	Conditionally Exempt Small Quantity Generator

CON EDISON TRANSFORMER MANHOLE: 5042 (Continued) **1016963458**

Violation Status: No violations found

NY MANIFEST:
Country: USA
EPA ID: NYP004364576
Facility Status: Not reported
Location Address 1: MAINS T & CHURCH ST
Code: BP
Location Address 2: TM 5042
Total Tanks: Not reported
Location City: NEW ROCHELLE
Location State: NY
Location Zip: Not reported
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004364576
Mailing Name: CON EDISON
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING PL 15TH FL
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124603770

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2013
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported
Generator Ship Date: 09/23/2013
Trans1 Recv Date: 09/23/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/26/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004364576
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID 1: NJD002200046
TSDF ID 2: Not reported
Manifest Tracking Number: 011694706JJK
Import Indicator: N
Export Indicator: N
Discr Quantity Indicator: N
Discr Type Indicator: N
Discr Residue Indicator: N
Discr Partial Reject Indicator: N
Discr Full Reject Indicator: N
Manifest Ref Number: Not reported
Alt Facility RCRA ID: Not reported
Alt Facility Sign Date: Not reported
MGMT Method Type Code: H110

CON EDISON TRANSFORMER MANHOLE: 5042 (Continued) **1016963458**

Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	120
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

Q136 **CON EDISON MANHOLE: 12758** **RCRA NonGen / NLR** **1016974052**
East **MAIN ST & CHURCH ST** **NY MANIFEST** **NYP004478624**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.178 mi.
939 ft. **Site 3 of 5 in cluster Q**

Relative:
Higher

Actual:
97 ft.

RCRA NonGen / NLR:

Date form received by agency:	04/25/2014
Facility name:	CON EDISON MANHOLE: 12758
Facility address:	MAIN ST & CHURCH ST NEW ROCHELLE, NY 10801
EPA ID:	NYP004478624
Mailing address:	IRVING PL, 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No

CON EDISON MANHOLE: 12758 (Continued) **1016974052**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/25/2014
Site name: CON EDISON MANHOLE: 12758
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
Country: USA
EPA ID: NYP004478624
Facility Status: Not reported
Location Address 1: MAIN & CHURCH ST
Code: BP
Location Address 2: SB12758
Total Tanks: Not reported
Location City: NEW ROCHELLE
Location State: NY
Location Zip: 10801
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004478624
Mailing Name: CON EDISON
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING ST
Mailing Address 2: 15TH ST
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: Not reported

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2014
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported
Generator Ship Date: 03/25/2014
Trans1 Recv Date: 03/25/2014
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/27/2014
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004478624
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID 1: NJD002200046

CON EDISON MANHOLE: 12758 (Continued) **1016974052**

TSDF ID 2:	Not reported
Manifest Tracking Number:	012770524JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	200
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

Q137 **ON THE SPOT CARPET CLEANING** **EDR Hist Cleaner** **1018910174**
East **3 CHURCH ST STE 699** **N/A**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.178 mi.
941 ft. **Site 4 of 5 in cluster Q**

Relative: EDR Hist Cleaner
Higher

Actual: **97 ft.**

Year:	Name:	Type:
2007	ON THE SPOT CARPET CLEANING	Carpet And Upholstery Cleaning
2008	ON THE SPOT CARPET CLEANING	Carpet And Upholstery Cleaning
2009	ON THE SPOT CARPET CLEANING	Carpet And Upholstery Cleaning
2010	ON THE SPOT CARPET CLEANING	Carpet And Upholstery Cleaning
2011	ON THE SPOT CARPET CLEANING	Carpet And Upholstery Cleaning
2012	ON THE SPOT CARPET CLEANING	Carpet And Upholstery Cleaning
2013	ON THE SPOT CARPET CLEANING	Carpet And Upholstery Cleaning
2014	ON THE SPOT CARPET CLEANING	Carpet And Upholstery Cleaning

R138 **CON EDISON VAULT SUBMERSIBLE: 8203** **RCRA NonGen / NLR** **1016963449**
SSW **650 MAIN ST** **NY MANIFEST** **NYP004364501**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.184 mi.
974 ft. **Site 1 of 2 in cluster R**

Relative:
Lower

Actual:
79 ft.

RCRA NonGen / NLR:

Date form received by agency:	10/23/2013
Facility name:	CON EDISON VAULT SUBMERSIBLE: 8203
Facility address:	650 MAIN ST NEW ROCHELLE, NY 10801
EPA ID:	NYP004364501
Mailing address:	IRVING PL, 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	09/23/2013
Site name:	CON EDISON VAULT SUBMERSIBLE: 8203
Classification:	Conditionally Exempt Small Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

Country:	USA
EPA ID:	NYP004364501
Facility Status:	Not reported
Location Address 1:	OPP 650 MAIN ST
Code:	BP
Location Address 2:	VS 8203
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	Not reported

CON EDISON VAULT SUBMERSIBLE: 8203 (Continued) **1016963449**

Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004364501
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2013
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	09/23/2013
Trans1 Recv Date:	09/23/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/26/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004364501
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	011694705JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	50
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1

CON EDISON VAULT SUBMERSIBLE: 8203 (Continued) **1016963449**

Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

R139 **880 TOWING AND TRUCK REPAIR*** **EDR Hist Auto** **1021737304**
SSW **650 MAIN STREET** **N/A**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.184 mi.
974 ft. **Site 2 of 2 in cluster R**

Relative:
Lower

Actual:
79 ft.

EDR Hist Auto

Year:	Name:	Type:
1977	880 TOWING AND TRUCK REPAIR*	General Automotive Repair Shops
1978	880 TOWING AND TRUCK REPAIR*	General Automotive Repair Shops
1979	880 TOWING AND TRUCK REPAIR*	General Automotive Repair Shops
1980	880 TOWING AND TRUCK REPAIR*	General Automotive Repair Shops
1982	880 TOWING AND TRUCK REPAIR*	General Automotive Repair Shops
1983	880 TOWING AND TRUCK REPAIR*	General Automotive Repair Shops
1985	880 TOWING AND TRUCK REPAIR*	General Automotive Repair Shops

---

O140 **BAKERS PRIDE OVEN CO INC** **RCRA-LQG** **1004571492**
SW **30 PINE ST.** **NY SHWS** **NYD986925808**
1/8-1/4 **NEW ROCHELLE, NY 10801** **NY Spills**
0.189 mi. **FINDS**
998 ft. **Site 2 of 2 in cluster O** **ECHO**
NY MANIFEST
Relative: **NJ MANIFEST**
Lower

Actual:
49 ft.

RCRA-LQG:

Date form received by agency:	06/27/2012
Facility name:	INDUSTRIAL OVERALL SERVICES FORMER
Facility address:	30 PINE ST NEW ROCHELLE, NY 10805
EPA ID:	NYD986925808
Mailing address:	PINE ST NEW ROCHELLE, NY 10805
Contact:	BURT DORFMAN
Contact address:	BARTELS AVE NEW ROCHELLE, NY 10801
Contact country:	US
Contact telephone:	(845) 353-3500
Contact email:	Not reported
EPA Region:	02
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any

BAKERS PRIDE OVEN CO INC (Continued) **1004571492**

residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	INDUSTRIAL OVERALL SERVICE CORP
Owner/operator address:	BARTELS AVE
	NEW ROCHELLE, NY 10801
Owner/operator country:	US
Owner/operator telephone:	(845) 353-3500
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	08/01/2010
Owner/Op end date:	Not reported

Owner/operator name:	NYS DEPT ENVIRONMENTAL CONSERVATION
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	12/13/2011
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	F001
. Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE

BAKERS PRIDE OVEN CO INC (Continued) **1004571492**

SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:
Date form received by agency: 12/16/2008
Site name: BAKERS PRIDE OVEN
Classification: Small Quantity Generator

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 01/01/2007
Site name: BAKERS PRIDE OVEN CO INC
Classification: Small Quantity Generator

Date form received by agency: 01/01/2006
Site name: BAKERS PRIDE OVEN CO INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 05/12/1994
Site name: BAKERS PRIDE OVEN CO INC
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

BAKERS PRIDE OVEN CO INC (Continued) **1004571492**

Evaluation Action Summary:
Evaluation date: 06/14/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

SHWS:
Program: HW
Site Code: 355304
Classification: N
Region: 3
Acres: 3.75
HW Code: 360087
Record Add: 11/08/2005
Record Upd: 07/21/2009
Updated By: RXKEATIN
Site Description: The Baker?s Pride site is located at 30 Pine Street in the City of New Rochelle, Westchester County, NY. The surrounding area is urban with commercial and residential establishments mixed in between the commercial businesses. The Baker?s Pride site is an approximately 3.75 acre flat to severely sloping irregularly shaped parcel. The Baker?s Pride building occupies approximately 111,450 sf of building space and occupies the majority of the property. Baker?s Pride owns the Bakers Pride Oven Company Inc and is engaged in the production of restaurant/commercial grade ovens and broilers. The site is bordered by Metro North railroad tracks to the west and northwest, a mix of commercial and residential properties to the northeast, east, and south. Interstate (I-95) is located to the west of the Metro North railroad tracks. In 2005, a Phase II Environmental Assessment report was completed by Enercon as part of closure proceedings for a 3,000 gallon fuel oil UST that was closed in place and a 10,000 gallon fuel oil UST that was removed. Monitoring wells installed as part of this assessment revealed the presence of PCE in groundwater at levels up to 1,430 ppb. (The State groundwater standard for PCE is 5 ppb.) Also, this report noted chemical storage for cutting oils, lubricants, solvents and paints. No products were indicated that contained PCE. In 2007 a follow up report was conducted which revealed PCE in groundwater at levels up to 1,700 ppb. The site was added as a potential inactive hazardous waste disposal site ("P site") in 2007. A State funded site characterization was initiated in 2008 to determine the source of the PCE groundwater plume. A total of 9 monitoring wells were installed in the fall of 2008. Groundwater contaminated with PCE showed higher levels of PCE in wells upgradient from the Baker?s Pride facility. The PCE concentrations were as high as 3,700 ppb in MW-13 which is located about 300 feet upgradient from the Baker?s Pride facility. This prompted the State to do a second round of groundwater sampling further upgradient of MW-13. Two additional wells (MW-24 and MW-25) were installed about 150 feet upgradient of MW-13 in the winter of 2009. MW-24 revealed PCE at 5,300 ppb. The second round of sampling further defined a groundwater plume with a source area upgradient from the Bakers Pride site. Since the site information for Baker?s Pride indicates that the plume of PCE is coming from an off-site source, the Baker?s Pride site (360087) will not be listed in the Registry of Inactive Hazardous Waste Disposal sites. A separate site was added to the Registry to address the source of the PCE plume (See

BAKERS PRIDE OVEN CO INC (Continued) **1004571492**

site #360109.)

Env Problem:	Based upon investigations to date, the primary contaminants of concern at the site include tetrachloroetylene (PCE) and its associated breakdown products. PCE was detected in upgradient groundwater as well as on-site and also in indoor air in residences upgradient of the site. PCE was detected on-site in groundwater from non-detect up to 3,200 parts per billion (ppb) at MW-1) above the respective groundwater standard of 5 ppb. Upgradient off-site levels of PCE were as high as 5,300 ppb. Indoor air was impacted in two residences with the highest level being 530 micrograms per cubic meter (ug/m3) at a property on Bartels Place. Since the highest levels of PCE were identified in the groundwater upgradient of the site this suggests an off-site source that is impacting the Baker?s Pride site. The source of this contamination is the Industrial Overall Service Corp. Class 2 site (#360109)
Health Problem:	Not reported
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Not reported
Sub Type:	Not reported
Owner Name:	Not reported
Owner Company:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Country:	Not reported
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

SPILLS:

Facility ID:	9404759
Facility Type:	ER
DER Facility ID:	122872
Site ID:	144128
DEC Region:	3
Spill Date:	1994-07-07
Spill Number/Closed Date:	9404759 / 2003-10-08
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response.

BAKERS PRIDE OVEN CO INC (Continued) **1004571492**

	Willing Responsible Party. Corrective action taken.
SWIS:	6010
Investigator:	WCHD
Referred To:	Westchester Cnty Health Dept
Reported to Dept:	1994-07-07
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1994-07-11
Spill Record Last Update:	2004-03-25
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was WCHD-JACKSON 09/27/95: This is additional information about material spilled from the translation of the old spill file: TANK REMOVAL. 10/17/03: Letter to Mark Fogarty, Baker's Pride from Danielle Jackson, dated 10/8/2003. Closure report by Env. Products & Services and sample results have been reviewed. While there is some contamination remaining, WCDOH does not see the contamination as a risk to human health. WCDOH recommends NFA at this time."
Remarks:	"SOIL STOCKPILED BOB SPERONI WAS ON SITE FAXED TO TARRYTOWN & WCHD"

Material:

Site ID:	144128
Operable Unit ID:	1001834
Operable Unit:	01
Material ID:	381361
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

FINDS:

Registry ID: 110002092949

Environmental Interest/Information System

BAKERS PRIDE OVEN CO INC (Continued) **1004571492**

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004571492
Registry ID:	110002092949
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002092949

NY MANIFEST:

Country:	USA
EPA ID:	NYD986925808
Facility Status:	Not reported
Location Address 1:	30 PINE ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10801
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD986925808
Mailing Name:	INDUSTIRAL OVERALL UNIFORM
Mailing Contact:	IRA NEVIN
Mailing Address 1:	30 PINE ST
Mailing Address 2:	Not reported
Mailing City:	NEW ROCHELLE
Mailing State:	NY
Mailing Zip:	10801
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	5184029564

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported

BAKERS PRIDE OVEN CO INC (Continued) **1004571492**

seq:	Not reported
Year:	2014
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	05/29/2014
Trans1 Recv Date:	05/29/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/29/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986925808
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012352197JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	F001
Waste Code 1_2:	F002
Waste Code 1_3:	D007
Waste Code 1_4:	D008
Waste Code 1_5:	D009
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access
25 additional NY_MANIFEST: record(s) in the EDR Site Report.

NJ MANIFEST:

EPA Id:	NYD986925808
Mail Address:	30 PINE ST
Mail City/State/Zip:	NEW ROCHELLE 10801
Facility Phone:	9145760200
Emergency Phone:	Not reported
Contact:	Not reported

BAKERS PRIDE OVEN CO INC (Continued) **1004571492**

Comments:	Not reported
SIC Code:	Not reported
County:	00
Municipal:	00
Previous EPA Id:	Not reported
Gen Flag:	X
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	008921150JJK
EPA ID:	NYD986925808
Date Shipped:	7/2/2012
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW ROCHELLE 10801
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	F001 F002
Hand Code:	Not reported
Quantity:	1,815.00 gallons

BAKERS PRIDE OVEN CO INC (Continued) **1004571492**

Manifest Year:	Not reported
Waste Code:	F001 F002
Hand Code:	Not reported
Quantity:	1,200.00 Pounds

Manifest Number:	008923493JJK
EPA ID:	NYD986925808
Date Shipped:	12/28/2012
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW ROCHELLE 10801
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	F001 F002
Hand Code:	Not reported
Quantity:	1,800.00 Pounds

Manifest Number:	008923039JJK
EPA ID:	NYD986925808
Date Shipped:	7/31/2012
TSDF EPA ID:	NJD002200046

BAKERS PRIDE OVEN CO INC (Continued) **1004571492**

Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW ROCHELLE 10801
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	F001 F002
Hand Code:	Not reported
Quantity:	150.00 Pounds

Manifest Number:	NJA4033255
EPA ID:	NYD986925808
Date Shipped:	04/02/2004
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NYD980761191
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported

BAKERS PRIDE OVEN CO INC (Continued) **1004571492**

Date Trans1 Transported Waste:	04/02/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	04/05/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	05030425
Was Load Rejected:	NEW ROCHELLE 10801
Reason Load Was Rejected:	Not reported

---

141 **ACCESSOCRAFT PRODUCTS INC** **RCRA NonGen / NLR** **1001079768**
NE **48 LAWTON ST** **FINDS** **NYR000014753**
1/8-1/4 **NEW ROCHELLE, NY 10802** **ECHO**
0.197 mi. **NY MANIFEST**
1040 ft.

Relative:
Higher

Actual:
94 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	ACCESSOCRAFT PRODUCTS INC
Facility address:	48 LAWTON ST NEW ROCHELLE, NY 10802
EPA ID:	NYR000014753
Mailing address:	LAWTON ST NEW ROCHELLE, NY 10802
Contact:	Not reported
Contact address:	LAWTON ST NEW ROCHELLE, NY 10802
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CITY OF NEW ROCHELLE
Owner/operator address:	NORTH AVE - CITY HALL NEW ROCHELLE, NY 10802

ACCESSOCRAFT PRODUCTS INC (Continued) **1001079768**

Owner/operator country: US
Owner/operator telephone: (914) 654-2163
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CITY OF NEW ROCHELLE
Owner/operator address: NORTH AVE - CITY HALL
NEW ROCHELLE, NY 10802
Owner/operator country: US
Owner/operator telephone: (914) 654-2163
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: ACCESSOCRAFT PRODUCTS INC
Classification: Not a generator, verified

Date form received by agency: 05/10/1996
Site name: ACCESSOCRAFT PRODUCTS INC
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Date form received by agency: 03/06/1996
Site name: ACCESSOCRAFT PRODUCTS INC
Classification: Large Quantity Generator

Date form received by agency: 10/11/1995
Site name: ACCESSOCRAFT PRODUCTS INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

ACCESSOCRAFT PRODUCTS INC (Continued) **1001079768**

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

Violation Status: No violations found

FINDS:

Registry ID: 110000849672

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ACCESSOCRAFT PRODUCTS INC (Continued) **1001079768**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1001079768
Registry ID:	110000849672
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110000849672

NY MANIFEST:

Country:	USA
EPA ID:	NYR000014753
Facility Status:	Not reported
Location Address 1:	48 LAWTON STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10802
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000014753
Mailing Name:	ACCESSOCRAFT INC
Mailing Contact:	PAUL STEINMAN
Mailing Address 1:	48 LAWTON STREET
Mailing Address 2:	Not reported
Mailing City:	NEW ROCHELLE
Mailing State:	NY
Mailing Zip:	10802
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9146322411

NY MANIFEST:

Document ID:	RIC0034295
Manifest Status:	C
seq:	Not reported
Year:	1996
Trans1 State ID:	RI49238
Trans2 State ID:	Not reported
Generator Ship Date:	01/22/1996
Trans1 Recv Date:	01/22/1996
Trans2 Recv Date:	/ /
TSD Site Recv Date:	01/23/1996
Part A Recv Date:	02/01/1996
Part B Recv Date:	02/05/1996
Generator EPA ID:	NYR000014753
Trans1 EPA ID:	RID059735761
Trans2 EPA ID:	Not reported
TSDF ID 1:	RID059735761
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported

ACCESSOCRAFT PRODUCTS INC (Continued) **1001079768**

Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	F009 - UNKNOWN
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00148
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	D003 - NON-LISTED REACTIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00160
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00152
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
3 additional NY_MANIFEST: record(s) in the EDR Site Report.

S142 **NEBRASKY CLEANERS** **EDR Hist Cleaner** **1020047628**
NW **96 UNION AVE** **N/A**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.202 mi.
1068 ft. **Site 1 of 4 in cluster S**

Relative: EDR Hist Cleaner
Higher

Year:	Name:	Type:
1969	NEBRASKY CLEANERS	Drycleaning Plants, Except Rugs
1970	NEBRASKY CLEANERS	Drycleaning Plants, Except Rugs

Actual:
96 ft.

T143 **CATARINO MANUEL** **EDR Hist Auto** **1020258709**
West **11 CHARLES ST** **N/A**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.203 mi.
1074 ft. **Site 1 of 5 in cluster T**

Relative: EDR Hist Auto
Higher

Year:	Name:	Type:
1992	CATARINO MANUEL	General Automotive Repair Shops
1993	CATARINO MANUEL	General Automotive Repair Shops
1994	CATARINO MANUEL	General Automotive Repair Shops

Actual:
95 ft.

S144 **NEBRASKY CLEANERS CORP** **EDR Hist Cleaner** **1018826058**
NW **95 UNION AVE** **N/A**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.209 mi.
1102 ft. **Site 2 of 4 in cluster S**

Relative: EDR Hist Cleaner
Higher

Year:	Name:	Type:
1971	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1972	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1973	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1974	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1976	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1977	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1978	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1979	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1980	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1982	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1983	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1985	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1986	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1987	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1988	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1989	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1990	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1991	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1993	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1994	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs
1995	NEBRASKY CLEANERS CORP	Drycleaning Plants, Except Rugs

Actual:
96 ft.

S145 **PREFERRED CLEANERS** **RCRA NonGen / NLR** **1000353766**
NW **95 UNION AVE** **FINDS** **NYD050275254**
1/8-1/4 **NEW ROCHELLE, NY 10801** **ECHO**
0.209 mi. **NY MANIFEST**
1102 ft. **Site 3 of 4 in cluster S**

Relative:
Higher

Actual:
96 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	PREFERRED CLEANERS
Facility address:	95 UNION AVE NEW ROCHELLE, NY 108016238
EPA ID:	NYD050275254
Mailing address:	UNION AVE NEW ROCHELLE, NY 10801
Contact:	Not reported
Contact address:	UNION AVE NEW ROCHELLE, NY 10801
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	RICHARD MEYERING
Owner/operator address:	141 WILMOT RD SCARSDALE, NY 10583
Owner/operator country:	US
Owner/operator telephone:	(914) 472-6038
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	RICHARD MEYERING
Owner/operator address:	141 WILMOT RD SCARSDALE, NY 10583
Owner/operator country:	US
Owner/operator telephone:	(914) 472-6038
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

PREFERRED CLEANERS (Continued) **1000353766**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: PREFERRED CLEANERS
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: PREFERRED CLEANERS
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Date form received by agency: 06/19/1995
Site name: PREFERRED CLEANERS
Classification: Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110004357918

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

PREFERRED CLEANERS (Continued) **1000353766**

ECHO:
- Envid: 1000353766
- Registry ID: 110004357918
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004357918

NY MANIFEST:
- Country: USA
- EPA ID: NYD050275254
- Facility Status: Not reported
- Location Address 1: 95 UNION AVENUE
- Code: BP
- Location Address 2: Not reported
- Total Tanks: Not reported
- Location City: NEW ROCHELLE
- Location State: NY
- Location Zip: 10801
- Location Zip 4: Not reported

NY MANIFEST:
- EPAID: NYD050275254
- Mailing Name: NEBRASKA CLEANERS
- Mailing Contact: NEBRASKA CLEANERS
- Mailing Address 1: 95 UNION AVENUE
- Mailing Address 2: Not reported
- Mailing City: NEW ROCHELLE
- Mailing State: NY
- Mailing Zip: 10801
- Mailing Zip 4: Not reported
- Mailing Country: USA
- Mailing Phone: 9146364937

NY MANIFEST:
- Document ID: CTF0452797
- Manifest Status: C
- seq: Not reported
- Year: 1995
- Trans1 State ID: NYLH7543
- Trans2 State ID: Not reported
- Generator Ship Date: 11/20/1995
- Trans1 Recv Date: 11/20/1995
- Trans2 Recv Date: / /
- TSD Site Recv Date: 11/27/1995
- Part A Recv Date: / /
- Part B Recv Date: 12/13/1995
- Generator EPA ID: NYD050275254
- Trans1 EPA ID: ILD984908202
- Trans2 EPA ID: Not reported
- TSDF ID 1: CTD001156009
- TSDF ID 2: Not reported
- Manifest Tracking Number: Not reported
- Import Indicator: Not reported
- Export Indicator: Not reported
- Discr Quantity Indicator: Not reported
- Discr Type Indicator: Not reported
- Discr Residue Indicator: Not reported
- Discr Partial Reject Indicator: Not reported

PREFERRED CLEANERS (Continued) **1000353766**

Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00120
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
16 additional NY_MANIFEST: record(s) in the EDR Site Report.

Q146 **ADREAN PRINTING CO** **RCRA NonGen / NLR** **1004755683**
ENE **490 MAIN ST** **FINDS** **NY0000233981**
1/8-1/4 **NEW ROCHELLE, NY 10801** **ECHO**
0.215 mi. **NY MANIFEST**
1137 ft. **Site 5 of 5 in cluster Q**

Relative:
Higher

Actual:
94 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	ADREAN PRINTING CO
Facility address:	490 MAIN ST NEW ROCHELLE, NY 10801
EPA ID:	NY0000233981
Mailing address:	MAIN ST NEW ROCHELLE, NY 10801
Contact:	MICHAEL GOLDBERGER
Contact address:	MAIN ST NEW ROCHELLE, NY 10801
Contact country:	US
Contact telephone:	(914) 636-0200
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MICHAEL GOLDBERGER
Owner/operator address:	490 MAIN ST NEW ROCHELLE, NY 10801
Owner/operator country:	US
Owner/operator telephone:	(914) 636-0200
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

ADREAN PRINTING CO (Continued) **1004755683**

Owner/operator name: MICHAEL GOLDBERGER
Owner/operator address: 490 MAIN ST
NEW ROCHELLE, NY 10801
Owner/operator country: US
Owner/operator telephone: (914) 636-0200
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: ADREAN PRINTING CO
Classification: Not a generator, verified

Date form received by agency: 04/21/1994
Site name: ADREAN PRINTING CO
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D011
. Waste name: SILVER

Violation Status: No violations found

FINDS:

Registry ID: 110004314297

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ADREAN PRINTING CO (Continued) **1004755683**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
- Envid: 1004755683
- Registry ID: 110004314297
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004314297

NY MANIFEST:
- Country: USA
- EPA ID: NY0000233981
- Facility Status: Not reported
- Location Address 1: 490 MAIN ST
- Code: BP
- Location Address 2: Not reported
- Total Tanks: Not reported
- Location City: NEW ROCHELLE
- Location State: NY
- Location Zip: 10801
- Location Zip 4: Not reported

NY MANIFEST:
- EPAID: NY0000233981
- Mailing Name: ADREAN PRINTING
- Mailing Contact: WILLIAM C WHITE
- Mailing Address 1: 490 MAIN ST
- Mailing Address 2: Not reported
- Mailing City: NEW ROCHELLE
- Mailing State: NY
- Mailing Zip: 10801
- Mailing Zip 4: Not reported
- Mailing Country: USA
- Mailing Phone: 9146360200

NY MANIFEST:
- Document ID: NYG0919566
- Manifest Status: C
- seq: Not reported
- Year: 1997
- Trans1 State ID: PW2414
- Trans2 State ID: Not reported
- Generator Ship Date: 08/28/1997
- Trans1 Recv Date: 08/28/1997
- Trans2 Recv Date: / /
- TSD Site Recv Date: 08/28/1997
- Part A Recv Date: / /
- Part B Recv Date: 09/19/1997
- Generator EPA ID: NY0000233981
- Trans1 EPA ID: NYR000025767
- Trans2 EPA ID: Not reported
- TSDF ID 1: NYD981182769
- TSDF ID 2: Not reported
- Manifest Tracking Number: Not reported
- Import Indicator: Not reported
- Export Indicator: Not reported

ADREAN PRINTING CO (Continued) **1004755683**

Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
4 additional NY_MANIFEST: record(s) in the EDR Site Report.

T147 **AUTOS BY PAIGE** **EDR Hist Auto** **1021877764**
West **20 CHARLES ST** **N/A**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.221 mi.
1165 ft. **Site 2 of 5 in cluster T**

Relative: EDR Hist Auto
Higher

Year:	Name:	Type:
Actual: 1997	AUTOS BY PAIGE	General Automotive Repair Shops
93 ft. 1998	AUTOS BY PAIGE	General Automotive Repair Shops

---

148 **NEW ROCHELLE CENTER** **RCRA NonGen / NLR** **1001215638**
SSW **MAIN & HUGENOT & LECOUNT ST** **NY MANIFEST** **NYR000048249**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.228 mi.
1206 ft.

Relative: RCRA NonGen / NLR:
Lower

Date form received by agency:	01/01/2007
Facility name:	NEW ROCHELLE CENTER
Actual: Facility address:	MAIN & HUGENOT & LECOUNT ST
70 ft.	NEW ROCHELLE, NY 10801
EPA ID:	NYR000048249
Contact:	TONY CHAVARRIA
Contact address:	MAIN & HUGENOT & LECOUNT ST
	NEW ROCHELLE, NY 10801
Contact country:	US
Contact telephone:	(914) 949-6505
Contact email:	Not reported

NEW ROCHELLE CENTER (Continued) **1001215638**

EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NEW ROC ASSOCIATES LP
Owner/operator address: 30 GLENN ST
WHITE PLAINS, NY 10603
Owner/operator country: US
Owner/operator telephone: (914) 949-6505
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NEW ROC ASSOCIATES LP
Owner/operator address: 30 GLENN ST
WHITE PLAINS, NY 10603
Owner/operator country: US
Owner/operator telephone: (914) 949-6505
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: NEW ROCHELLE CENTER
Classification: Not a generator, verified

Date form received by agency: 12/24/1997
Site name: NEW ROCHELLE CENTER
Classification: Small Quantity Generator

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

NEW ROCHELLE CENTER (Continued) **1001215638**

NY MANIFEST:

Country:	USA
EPA ID:	NYR000048249
Facility Status:	Not reported
Location Address 1:	33 LACOUNT STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10805
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000048249
Mailing Name:	NEW ROCK ASSOCIATES NEW ROCHELLE MALL
Mailing Contact:	JOE TARQUINO
Mailing Address 1:	30 GLENN STREET
Mailing Address 2:	Not reported
Mailing City:	WHITE PLAINS
Mailing State:	NY
Mailing Zip:	10603
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9149496505

NY MANIFEST:

Document ID:	MIA7008993
Manifest Status:	Not reported
seq:	01
Year:	1998
Trans1 State ID:	0050860ME
Trans2 State ID:	0037405
Generator Ship Date:	07/08/1998
Trans1 Recv Date:	07/09/1998
Trans2 Recv Date:	07/10/1998
TSD Site Recv Date:	07/14/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000048249
Trans1 EPA ID:	CTD982191942
Trans2 EPA ID:	CTD982191942
TSDF ID 1:	MID060975844
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES

NEW ROCHELLE CENTER (Continued) **1001215638**

Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	U080 - METHYLENE CHLORIDE
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	U080 - METHYLENE CHLORIDE
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

Click this hyperlink while viewing on your computer to access
5 additional NY_MANIFEST: record(s) in the EDR Site Report.

U149 **CON EDISON** **RCRA NonGen / NLR** **1012185164**
WSW **55 WEBSTER AVE & PINE ST** **NYP004159661**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.229 mi.
1209 ft. **Site 1 of 3 in cluster U**

Relative:
Lower

Actual:
54 ft.

RCRA NonGen / NLR:

Date form received by agency:	06/01/2016
Facility name:	CON EDISON
Facility address:	55 WEBSTER AVE & PINE ST NEW ROCHELLE, NY 10801
EPA ID:	NYP004159661
Mailing address:	4 IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	STEVEN MARTIS
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	(212) 580-8383
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	07/15/2008
Site name:	CON EDISON
Classification:	Conditionally Exempt Small Quantity Generator
Violation Status:	No violations found

U150 **EAST COAST SALES** **RCRA NonGen / NLR** **1000391506**
WSW **55 WEBSTER AVE** **FINDS** **NYD095167573**
1/8-1/4 **NEW ROCHELLE, NY 10801** **ECHO**
0.229 mi.
1209 ft. **Site 2 of 3 in cluster U**

Relative:
Lower

Actual:
54 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	EAST COAST SALES
Facility address:	55 WEBSTER AVE NEW ROCHELLE, NY 10801
EPA ID:	NYD095167573

EAST COAST SALES (Continued) **1000391506**

Mailing address: SABRE ST
HAYWARD, NY 94545
Contact: MICHAEL KRAUSS
Contact address: SABRE ST
HAYWARD, NY 94545
Contact country: US
Contact telephone: (415) 783-9123
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: EAST COAST SALES
Classification: Not a generator, verified

Date form received by agency: 09/21/1984

EAST COAST SALES (Continued) **1000391506**

Site name: EAST COAST SALES
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110004375453

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000391506
Registry ID: 110004375453
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004375453

T151 **G C AUTO RESTORATIONS INC** **EDR Hist Auto** **1020488185**
West **80 GROVE AVE** **N/A**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.233 mi.
1230 ft. **Site 3 of 5 in cluster T**

Relative:
Higher

Actual:
92 ft.

EDR Hist Auto

Year:	Name:	Type:
2011	G C AUTO RESTORATIONS INC	General Automotive Repair Shops
2012	G C AUTO RESTORATIONS INC	General Automotive Repair Shops
2013	G C AUTO RESTORATIONS INC	General Automotive Repair Shops
2014	G C AUTO RESTORATIONS INC	General Automotive Repair Shops

---

152 **SHULMAN S B & CO** **EDR Hist Cleaner** **1020087339**
ENE **484 MAIN ST** **N/A**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.234 mi.
1234 ft.

Relative:
Higher

Actual:
92 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1969	SHULMAN S B & CO	Drycleaning Plants, Except Rugs

SHULMAN S B & CO (Continued) **1020087339**

1970	SHULMAN S B & CO	Drycleaning Plants, Except Rugs
1971	SHULMAN S B & CO	Drycleaning Plants, Except Rugs
1972	SHULMAN S B & CO	Drycleaning Plants, Except Rugs
1973	SHULMAN S B & CO	Drycleaning Plants, Except Rugs
1974	SHULMAN S B & CO	Drycleaning Plants, Except Rugs
1975	SHULMAN S B & CO	Drycleaning Plants, Except Rugs
1976	SHULMAN S B & CO	Drycleaning Plants, Except Rugs
1977	SHULMAN S B & CO	Drycleaning Plants, Except Rugs
1978	SHULMAN S B & CO	Drycleaning Plants, Except Rugs
1979	SHULMAN S B & CO	Drycleaning Plants, Except Rugs

T153 **AMERICAN TOWING & AUTO** **EDR Hist Auto** **1021292064**
West **85 CRESCENT AVE** **N/A**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.235 mi.
1239 ft. **Site 4 of 5 in cluster T**

Relative: EDR Hist Auto
Higher

Year:	Name:	Type:
1997	AMERICAN TOWING & AUTO	General Automotive Repair Shops

Actual:
93 ft.

T154 **VOGUE PRESS 2** **RCRA NonGen / NLR** **1000890303**
West **85 CRESENT AVE** **NY0000330142**
1/8-1/4 **NEW ROCHELLE, NY 10801**
0.235 mi.
1239 ft. **Site 5 of 5 in cluster T**

Relative: RCRA NonGen / NLR:
Higher

Date form received by agency:	01/01/2007
Facility name:	VOGUE PRESS 2
Facility address:	85 CRESENT AVE NEW ROCHELLE, NY 10801
EPA ID:	NY0000330142
Mailing address:	CRESENT AVE NEW ROCHELLE, NY 10801
Contact:	Not reported
Contact address:	CRESENT AVE NEW ROCHELLE, NY 10801
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Actual:
93 ft.

Owner/Operator Summary:

Owner/operator name:	CARMINE CORELLI
Owner/operator address:	85 CRESENT AVE NEW ROCHELLE, NY 10801
Owner/operator country:	US
Owner/operator telephone:	(914) 237-7790
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

VOGUE PRESS 2 (Continued) **1000890303**

Owner/operator name: CARMINE CORELLI
Owner/operator address: 85 CRESENT AVE
NEW ROCHELLE, NY 10801
Owner/operator country: US
Owner/operator telephone: (914) 237-7790
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: VOGUE PRESS 2
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: VOGUE PRESS 2
Classification: Not a generator, verified

Date form received by agency: 05/25/1994
Site name: VOGUE PRESS 2
Classification: Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D011
. Waste name: SILVER

Violation Status: No violations found

155
NNE
1/8-1/4
0.235 mi.
1241 ft.

STATION CLEANERS
24 STATION PLZ
NEW ROCHELLE, NY 10801

EDR Hist Cleaner **1020094775**
N/A

Relative:
Lower

Actual:
71 ft.

EDR Hist Cleaner

Year:	Name:	Type:
2005	STATION CLEANERS	Drycleaning Plants, Except Rugs, NEC
2006	STATION CLEANERS	Drycleaning Plants, Except Rugs, NEC
2007	STATION CLEANERS	Drycleaning Plants, Except Rugs, NEC
2008	STATION CLEANERS	Drycleaning Plants, Except Rugs, NEC
2009	STATION CLEANERS	Drycleaning Plants, Except Rugs, NEC

S156
NW
1/8-1/4
0.238 mi.
1256 ft.

VINCES AUTO REPAIR
75 WALNUT ST
NEW ROCHELLE, NY 10801
Site 4 of 4 in cluster S

EDR Hist Auto **1020582690**
N/A

Relative:
Higher

Actual:
93 ft.

EDR Hist Auto

Year:	Name:	Type:
1969	VINCES AUTO REPAIR	General Automotive Repair Shops
1970	VINCES AUTO REPAIR	General Automotive Repair Shops
1971	VINCES AUTO REPAIR	General Automotive Repair Shops
1972	VINCES AUTO REPAIR	General Automotive Repair Shops
1973	VINCES AUTO REPAIR	General Automotive Repair Shops
1974	VINCES AUTO REPAIR	General Automotive Repair Shops
1975	VINCES AUTO REPAIR	General Automotive Repair Shops

157
SW
1/8-1/4
0.238 mi.
1256 ft.

CON EDISON TRANSFORMER MANHOLE: 3549
WEBSTER AVE & PINE ST
NEW ROCHELLE, NY 10805

RCRA NonGen / NLR **1016967134**
NY MANIFEST **NYP004407573**

Relative:
Lower

Actual:
45 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/17/2014
Facility name:	CON EDISON TRANSFORMER MANHOLE: 3549
Facility address:	WEBSTER AVE & PINE ST NEW ROCHELLE, NY 10805
EPA ID:	NYP004407573
Mailing address:	IRVING PL, 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No

CON EDISON TRANSFORMER MANHOLE: 3549 (Continued) **1016967134**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 12/17/2013
Site name: CON EDISON TRANSFORMER MANHOLE: 3549
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
Country: USA
EPA ID: NYP004407573
Facility Status: Not reported
Location Address 1: WEBSTER AVE & PINE ST
Code: BP
Location Address 2: TM 3549
Total Tanks: Not reported
Location City: NEW ROCHELLE
Location State: NY
Location Zip: Not reported
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004407573
Mailing Name: CON EDISON
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING PL 15TH FL
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124603770

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2013
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported
Generator Ship Date: 12/17/2013
Trans1 Recv Date: 12/17/2013

CON EDISON TRANSFORMER MANHOLE: 3549 (Continued) **1016967134**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/20/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004407573
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	011695222JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	340
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

158
North
1/8-1/4
0.239 mi.
1263 ft.

CON EDISON
19 DIVISION ST & WASHINGTON AVE
NEW ROCHELLE, NY 10801

RCRA NonGen / NLR **1019904602**
FINDS **NYP004800058**
ECHO

Relative:
Higher

Actual:
91 ft.

RCRA NonGen / NLR:

Date form received by agency:	06/28/2015
Facility name:	CON EDISON
Facility address:	19 DIVISION ST & WASHINGTON AVE NEW ROCHELLE, NY 10801
EPA ID:	NYP004800058
Mailing address:	IRVING PL 15TH FL NE NEW YORK, NY 10003

CON EDISON (Continued) **1019904602**

Contact: THOMAS TEELING
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (212) 460-3770
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 06/28/2015
Site name: CON EDISON
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110069642630

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1019904602
Registry ID: 110069642630
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110069642630

U159 **AMERICAN WHITE CROSS LABS INC** **RCRA NonGen / NLR** **1000551921**
SW **52 WEBSTER AVE** **FINDS** **NYD986942928**
1/8-1/4 **NEW ROCHELLE, NY 10801** **ECHO**
0.242 mi.
1279 ft. **Site 3 of 3 in cluster U**

Relative:
Lower

Actual:
53 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	AMERICAN WHITE CROSS LABS INC
Facility address:	52 WEBSTER AVE NEW ROCHELLE, NY 10801
EPA ID:	NYD986942928
Mailing address:	PO BOX L NEW ROCHELLE, NY 10802
Contact:	Not reported
Contact address:	PO BOX L NEW ROCHELLE, NY 10802
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	AMERICAN WHITE CROSS LABS INC
Owner/operator address:	PO BOX L NEW ROCHELLE, NY 10802
Owner/operator country:	US
Owner/operator telephone:	(914) 632-3045
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	AMERICAN WHITE CROSS LABS INC
Owner/operator address:	PO BOX L NEW ROCHELLE, NY 10802
Owner/operator country:	US
Owner/operator telephone:	(914) 632-3045
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

AMERICAN WHITE CROSS LABS INC (Continued) **1000551921**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: AMERICAN WHITE CROSS LABS INC
Classification: Not a generator, verified

Date form received by agency: 05/08/1991
Site name: AMERICAN WHITE CROSS LABS INC
Classification: Not a generator, verified

Date form received by agency: 03/05/1991
Site name: AMERICAN WHITE CROSS LABS INC
Classification: Not a generator, verified

. Waste code: D000
. Waste name: Not Defined

Violation Status: No violations found

FINDS:

Registry ID: 110004461591

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000551921
Registry ID: 110004461591
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004461591

V160 **FLAMINGO CLEANERS** **RCRA-LQG** **1000299848**
East **149 NORTH AVE** **NY BROWNFIELDS** **NYD012946885**
1/4-1/2 **NEW ROCHELLE, NY 10801** **NY MANIFEST**
0.303 mi.
1598 ft. **Site 1 of 2 in cluster V**

Relative:
Lower

Actual:
89 ft.

RCRA-LQG:
Date form received by agency: 07/10/2012
Facility name: FLAMINGO CLEANERS
Facility address: 149 NORTH AVE
NEW ROCHELLE, NY 10801
EPA ID: NYD012946885
Mailing address: NORTH AVE
NEW ROCHELLE, NY 10801

FLAMINGO CLEANERS (Continued) **1000299848**

Contact:	RICHARD H DORAN
Contact address:	DORSON ENVIRONMENTAL MGMT INC 45 KNOLLWOOD RD SUITE 300 ELMSFORD, NY 10523
Contact country:	US
Contact telephone:	(914) 592-3117
Contact email:	RDORAN@DORSON.COM
EPA Region:	02
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	TAEYOON KIM
Owner/operator address:	149 NORTH AVE NEW ROCHELLE, NY 10801
Owner/operator country:	US
Owner/operator telephone:	(914) 235-1591
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	V & V CAPITAL LLC
Owner/operator address:	PHILLIPS HILL RD NEW CITY, NY 10956
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	07/14/2011
Owner/Op end date:	Not reported

Owner/operator name:	LUIGI LLESHAJ
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	07/14/2011
Owner/Op end date:	Not reported

Owner/operator name:	TAEYOON KIM
Owner/operator address:	149 NORTH AVE NEW ROCHELLE, NY 10801
Owner/operator country:	US

FLAMINGO CLEANERS (Continued) **1000299848**

Owner/operator telephone: (914) 235-1591
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED

FLAMINGO CLEANERS (Continued) **1000299848**

SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F004
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:
Date form received by agency: 01/01/2007
Site name: FLAMINGO CLEANERS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/01/2006
Site name: FLAMINGO CLEANERS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 11/21/1991
Site name: FLAMINGO CLEANERS
Classification: Small Quantity Generator

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Listing - General
Date violation determined: 07/10/2006
Date achieved compliance: 08/18/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/03/2006
Enf. disposition status: Not reported

FLAMINGO CLEANERS (Continued) **1000299848**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 07/10/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Listing - General
Date achieved compliance: 08/18/2006
Evaluation lead agency: State

BROWNFIELDS:
Program: BCP
Site Code: 335220
Acres: 0.122
HW Code: C360078
SWIS: 6010
Town: New Rochelle (c)
Record Added Date: 12/16/2004
Record Updated Date: 12/30/2016
Update By: DACROSBY
Site Description: Location: The Flamingo Cleaners site is located in an urban area of New Rochelle, Westchester County, at the southeastern corner of the intersection of Clinton Place and North Avenue. Site Features: The site is a one-story commercial building with a full basement. The building is divided into four tenant spaces which include a bar/lounge, beauty salon, and two vacant spaces that previously housed a travel agency and a dry-cleaner. Current Zoning/use(s): The site consists of four retail spaces, two of which are currently occupied. The site is zoned for commercial use. The surrounding land uses include parking lots, commercial establishments, a residential apartment complex, a medical center, and a church. The dry cleaning operation is no longer active and the space is currently vacant. Past Uses of the Site: The existing building was constructed in 1941 and used for retail. Flamingo Cleaners began dry cleaning operations in 1958, and ran until 2005 when all dry-cleaning equipment was removed. Site contamination is a result of the former dry cleaner operations from improper management, disposal, and leaks of tetrachloroethylene (PCE). Prior completed investigations include a Phase I Investigation in October of 2003 and a Phase II Investigation completed in March of 2004. The Volunteer entered into a Brownfield Cleanup Agreement in April 2005. A Decision Document was issued in March 2012 for a remedy involving source soil removal and in situ chemical oxidation treatment of groundwater. Based on the extent of the site contamination, a referral to State Superfund for an off-site investigation was completed in December 2007. The groundwater plume was found to be isolated to immediately behind the building and little to no off-site impacts were noted in groundwater, soils, nor in soil vapor. Site Geology/hydrogeology: The site is underlain by glacial till which sits atop highly weathered bedrock. Bedrock ranges from 5 - 22 feet below ground surface. The water table is between 5 - 11 feet below ground surface. Groundwater flow direction dominantly to the south-southeast toward Long Island Sound, however, site specific groundwater flow direction is radial, and seasonally affected.

FLAMINGO CLEANERS (Continued) **1000299848**

Env Problem:	Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were volatile organic compounds (VOCs), primarily tetrachloroethylene (PCE or perc) which was present in soils, groundwater, and indoor air. PCE breakdown products Trichloroethene (TCE) and 1,2-dichloroethene (1,2-DCE), vinyl chloride, as well as 1,1,1 trichloroethane (1,1,1 TCA), were also present at the site. Remedial actions have removed source soils, treated groundwater, and have prevented contaminants from entering the indoor air. Residual contamination in the soil, groundwater, and indoor air is being managed under a Site Management Plan.
Health Problem:	Measures are in place to control the potential for coming in contact with subsurface soil and ground water contamination remaining on the site. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in groundwater and/or soil may move into the soil vapor (air space within the soil), which in turn may move into overlying building and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. A sub-slab depressurization system (system that ventilate/remove the air beneath the building) has been installed in the on-site building to prevent the indoor air quality from being affected by the contamination in the soil vapor beneath the building. Sampling indicates soil vapor intrusion is not a concern for off-site buildings.
Dump:	False
Structure:	True
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	40:90’830 / 73:77’928
Dell:	False
Record Add:	12/16/2004 12:46:00 PM
Record Upd:	10/25/2013 4:35:00 PM
Updated By:	BXANDERS
Own Op:	Owner
Sub Type:	06
Owner Name:	Luigi Tush Lleshaj
Owner Company:	V & V Capital LLC
Owner Address:	369 Phillips Hill Rd
Owner Addr2:	Not reported
Owner City,St,Zip:	New City, NY 10956
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Tom Geoffino
Owner Company:	New Rochelle Public Library
Owner Address:	1 Library Plaza
Owner Addr2:	Not reported
Owner City,St,Zip:	New Rochelle, NY 10801
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	09
Owner Name:	Abbas A. Alsaidi

FLAMINGO CLEANERS (Continued) **1000299848**

Owner Company:	New Rock Mini Mart & Deli Inc.
Owner Address:	149 North Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	New Rochelle, NY 10801
Owner Country:	United States of America
Own Op:	Applicant/Requestor
Sub Type:	P03
Owner Name:	JO-ANNE LATINO
Owner Company:	JAMM North Avenue Realty, LLC.
Owner Address:	31 Green St.
Owner Addr2:	Not reported
Owner City,St,Zip:	Charlestown, MA 02129
Owner Country:	United States of America
Own Op:	Applicant/Requestor
Sub Type:	P03
Owner Name:	c/o Judge Susan I. Kettner
Owner Company:	149-155 North Corp.
Owner Address:	87 Taymil Road
Owner Addr2:	Not reported
Owner City,St,Zip:	New Rochelle, NY 10804
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Michael Knipfing
Owner Company:	NYSDEC Region 3
Owner Address:	21 S. Putt Corners Rd
Owner Addr2:	Not reported
Owner City,St,Zip:	New Paltz, NY 12561
Owner Country:	United States of America
Own Op:	Applicant/Requestor
Sub Type:	P03
Owner Name:	Luigi Lleshaj
Owner Company:	V&V Capital LLC
Owner Address:	369 Phillips Hill Road
Owner Addr2:	Not reported
Owner City,St,Zip:	new City, NY 10956
Owner Country:	United States of America
Own Op:	Applicant/Requestor
Sub Type:	P03
Owner Name:	Not reported
Owner Company:	Luigi Lleshaj
Owner Address:	369 Phillips Hill Road
Owner Addr2:	Not reported
Owner City,St,Zip:	New City, NY 10956
Owner Country:	United States of America
Own Op:	Applicant/Requestor
Sub Type:	P03
Owner Name:	c/o Judge Susan I. Kettner
Owner Company:	The Estate of Dorothy Kettner
Owner Address:	87 Taymil Road
Owner Addr2:	Not reported
Owner City,St,Zip:	New Rochelle, NY 10804
Owner Country:	United States of America
HW Code:	C360078
Waste Type:	TETRACHLOROETHYLENE (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported

FLAMINGO CLEANERS (Continued) **1000299848**

HW Code:	C360078
Waste Type:	1,1,1-TRICHLOROETHANE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360078
Waste Type:	VINYL CHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360078
Waste Type:	DICHLOROETHYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360078
Waste Type:	DICHLOROETHYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360078
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360078
Waste Type:	1,1 Dichloroethene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360078
Waste Type:	1,1 Dichloroethene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360078
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	0905638
Cross Ref Type Code:	01
Cross Ref Type:	Spill No.
Record Added Date:	7/12/2016 12:27:00 PM
Record Updated:	7/12/2016 12:27:00 PM
Updated By:	JBODEE
Crossref ID:	W3-1058-05-03
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	12/5/2016 12:19:00 PM
Record Updated:	12/5/2016 12:19:00 PM
Updated By:	KATHOMPS
Crossref ID:	561793593
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	11/4/2016 10:40:00 AM
Record Updated:	11/4/2016 10:40:00 AM
Updated By:	KATHOMPS
Crossref ID:	1203976
Cross Ref Type Code:	01
Cross Ref Type:	Spill No.
Record Added Date:	7/23/2012 4:23:00 PM
Record Updated:	7/23/2012 4:23:00 PM
Updated By:	JPCUMMIN

FLAMINGO CLEANERS (Continued) **1000299848**

NY MANIFEST:

Country:	USA
EPA ID:	NYD012946885
Facility Status:	Not reported
Location Address 1:	149 NORTH AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NEW ROCHELLE
Location State:	NY
Location Zip:	10801
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD012946885
Mailing Name:	V & V CAPITAL LLC
Mailing Contact:	V&V CAPITAL LLC - FORMER FLAMINGO CLEANERS
Mailing Address 1:	149 NORTH AVENUE
Mailing Address 2:	Not reported
Mailing City:	NEW ROCHELLE
Mailing State:	NY
Mailing Zip:	10801
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	3615865900

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2013
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	01/31/2013
Trans1 Recv Date:	01/31/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/15/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD012946885
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	CDX168000000
TSDF ID 2:	Not reported
Manifest Tracking Number:	008835161JJK
Import Indicator:	N
Export Indicator:	Y
Discr Quantity Indicator:	Y
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported

FLAMINGO CLEANERS (Continued) **1000299848**

Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	6160
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	Not reported
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	F002
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access
62 additional NY_MANIFEST: record(s) in the EDR Site Report.

V161 **OFF-SITE FLAMINGO CLEANERS** **NY BROWNFIELDS** **S110043637**
East **149 NORTH AVENUE** **N/A**
1/4-1/2 **NEW ROCHELLE, NY 10801**
0.303 mi.
1598 ft. **Site 2 of 2 in cluster V**

Relative:
Lower

Actual:
89 ft.

BROWNFIELDS:

Program:	BCP
Site Code:	414661
Acres:	Not reported
HW Code:	C360078A
SWIS:	6010
Town:	New Rochelle (c)
Record Added Date:	06/03/2009
Record Updated Date:	03/08/2017
Update By:	DACROSBY
Site Description:	Location: This site is the off-site component of the former Flamingo Dry Cleaners site (C360078). The site is located in an urban area of New Rochelle, Westchester County, at the southeastern corner of the intersection of Clinton Place and North Avenue. Site Features: The site itself is a one-story commercial building which includes four stores including the vacant dry cleaners. This off-site component is comprised of immediately-surrounding areas. Current Zoning/Uses: Surrounding land uses include parking lots, commercial establishments, a residential apartment complex, a college, a medical facility, and a church. Historical Uses: The on-site building was constructed in 1941 and used for retail. Flamingo Cleaners began operations in 1958 and ran until 2005 when all dry-cleaning equipment was removed. On-site contamination is a result of the former dry cleaner operations from improper management, disposal, and leaks of tetrachloroethylene (PCE). A referral for off-site work was completed in December 2007 and a SSF RI/FS Work assignment was approved in March 2009. The RI field work was conducted in the summer of 2009 and fall of 2009. Additional round of gw analyses occurred in spring 2010. The on-going off-site investigation thus far indicates that PCE is not present in environmental media above standards in the area

OFF-SITE FLAMINGO CLEANERS (Continued) **S110043637**

	surrounding the site. Site Geology/Hydrogeology: The area surrounding the site is underlain by glacial till which sit atop highly weathered bedrock. Area bedrock ranges from 5-25 feet below ground surface. The water table ranges from 5-11 feet below ground surface. Groundwater flow direction is dominantly to the south-southwest toward Long Island Sound, but site specific groundwater flow direction is radial and seasonally affected.
Env Problem:	Nature and Extent of Contamination: Based on investigations to date, the primary contaminant of concern at the site is tetracholoroethylene (PCE), a dry cleaning solvent. On-site, PCE has been detected in soils, soil vapor, indoor air, and groundwater. The off-site investigation to date indicates that there are no off-site impacts. Special Resources Impacted/Threatened: The site is located in an urban area of the City of New Rochelle. There are no special resources identified near the site.
Health Problem:	Not reported
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2/27/2010 1:25:00 PM
Record Upd:	10/18/2012 2:41:00 PM
Updated By:	ldennist
Own Op:	Not reported
Sub Type:	Not reported
Owner Name:	Not reported
Owner Company:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Country:	Not reported
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

W162 **NEW ROCHELLE LEAF TS** **NY SWF/LF** **S103592520**
WSW **85 BEECHWOOD AVE** **N/A**
1/4-1/2 **NEW ROCHELLE, NY 10801**
0.369 mi.
1948 ft. **Site 1 of 2 in cluster W**

Relative:
Lower

Actual:
57 ft.

SWF/LF:

Flag:	ACTIVE
Region Code:	3
Phone Number:	9146542129
Owner Name:	Westchester County

NEW ROCHELLE LEAF TS (Continued) **S103592520**

Owner Type:	Municipal
Owner Address:	270 North Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	New Rochelle, NY 10801
Owner Email:	Not reported
Owner Phone:	9146373031
Contact Name:	Alexander Tergis
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	atergis@newrochelleny.com
Contact Phone:	9146542136
Activity Desc:	Transfer station - registration
Activity Number:	[60R19]
Active:	Yes
East Coordinate:	603779
North Coordinate:	4529858
Accuracy Code:	Not reported
Regulatory Status:	Registration
Waste Type:	Yard Waste;Wood (Brush/ Branches/ Trees/ Stumps)
Authorization #:	60R19
Authorization Date:	Not reported
Expiration Date:	Not reported

W163 **NEW ROCHELLE LEAF T.S.** **NY RGA LF** **S114959450**
WSW **85 BEECHWOOD AVE** **N/A**
1/4-1/2 **NEW ROCHELLE, NY**
0.369 mi.
1948 ft. **Site 2 of 2 in cluster W**

Relative:
Lower

Actual:
57 ft.

RGA LF:

2012	NEW ROCHELLE LEAF T.S.	85 BEECHWOOD AVE

X164 **QUEEN CITY RECYCLING CENTER CD PROCESSOR** **NY SWF/LF** **S111711108**
SW **19 CLIFF STREET** **NY Financial Assurance** **N/A**
1/4-1/2 **NEW ROCHELLE, NY 10801**
0.373 mi.
1968 ft. **Site 1 of 2 in cluster X**

Relative:
Lower

Actual:
37 ft.

SWF/LF:

Flag:	ACTIVE
Region Code:	3
Phone Number:	9146362080
Owner Name:	Frank Miceli
Owner Type:	Private
Owner Address:	61 Pilgrim Road
Owner Addr2:	Not reported
Owner City,St,Zip:	Scarsdale, NY 10583
Owner Email:	Not reported
Owner Phone:	9145769051
Contact Name:	Steve Sauro
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported

QUEEN CITY RECYCLING CENTER CD PROCESSOR (Continued) **S111711108**

Contact Email:	Not reported
Contact Phone:	9149061172
Activity Desc:	C&D processing - permit
Activity Number:	[60W24]
Active:	Yes
East Coordinate:	601885
North Coordinate:	4528768
Accuracy Code:	Not reported
Regulatory Status:	Permit
Waste Type:	Construction & Demolition Debris;Concrete;Rock;Metal (Structural);Paper / Cardboard;Plastics;Wood (Unadulterated)
Authorization #:	3-5510-00361/00001
Authorization Date:	09/23/2013
Expiration Date:	09/23/2018

NY Financial Assurance 1:

Owner Name:	Frank Miceli
Region:	3
Estimate Type:	Not reported
Estimate Amount:	Not reported
Estimate Date:	Not reported
Mechanism:	Standby trust fund
Mechanism Amount:	Not reported
Issue Date:	06/27/2013
Expiration Date:	Not reported
Activity Number:	60W24
Activity Description:	C&D processing - permit

Owner Name:	Frank Miceli
Region:	3
Estimate Type:	Closure Estimate
Estimate Amount:	175000
Estimate Date:	04/12/2012
Mechanism:	Surety bond - Payment
Mechanism Amount:	175000
Issue Date:	03/20/2003
Expiration Date:	03/19/2017
Activity Number:	60W24
Activity Description:	C&D processing - permit

X165 **QUEEN CITY RECYCLING CENTER; INC.** **NY RGA LF** **S114960470**
SW **19 CLIFF STREET** **N/A**
1/4-1/2 **NEW ROCHELLE, NY**
0.398 mi.
2101 ft. **Site 2 of 2 in cluster X**

Relative:
Lower

RGA LF:

2012	QUEEN CITY RECYCLING CENTER; INC.	19 CLIFF STREET

Actual:
37 ft.

166
North
1/4-1/2
0.410 mi.
2163 ft.

SCHMUCKLER'S DRY CLEANERS
358-364 NORTH AVENUE
NEW ROCHELLE, NY 10804

NY BROWNFIELDS **S107787044**
N/A

Relative:
Lower

Actual:
74 ft.

BROWNFIELDS:

Program:	BCP
Site Code:	357446
Acres:	0.21
HW Code:	C360088
SWIS:	6010
Town:	New Rochelle (c)
Record Added Date:	12/29/2005
Record Updated Date:	12/30/2016
Update By:	DACROSBY
Site Description:	Location: The Schmuckler s Dry Cleaners site is located in an urban area located at 258-364 North Avenue in New Rochelle, Westchester County. The site is 0.21 acres, most of which is covered by a two-story row building with a full basement. Site Features: In addition to the former dry cleaners, historically located on the first floor, the site also includes an enclosed backyard area to the immediate west of the building. The backyard is mostly covered by lawn, but also includes elevated planting beds, and a paved walkway. Current Zoning/Use(s): The site is commercially zoned, and currently has five commercial tenants occupying both the first and second floors. Properties along North Avenue are predominantly zoned for commercial or mixed use, some maintaining residential apartments above. Commerical uses dominate areas within one block east and west of North Avenue with the exception of a multi-unit residential building immediately to the west of the site. Drinking water on-site is provided from a municipal source. Past Uses of the Site: The building on-site was built in 1891, and operated by Schmuckler s Cleaners from 1914 to 2006 on the first floor and basement of the building. Additions were added to the building in 1937, and two in 1987. The site was acquired by the Volunteer, HNJ Realty, LLC, in August 2005, and entered into a BCA in June 2006. An interim remedial measure (IRM) was conducted starting in late 2008 to install a combined soil vapor extraction system/sub-slab depressurization system (SVE/SSDS) in the former dry cleaner to mitigate PCE in indoor air. The IRM was deemed complete in December 2013, but the SVE/SSDS continues to operate. A second IRM work plan was approved in May 2015 to conduct a pilot study of an enhanced biological in situ treatment to remediate contaminants under the on-site building slab. Site Geology and Hydrogeology: The site is underlain by fill which is underlain by poorly sorted glacial material (silty-clay with sand and gravel). The highly weathered bedrock surface is between 9 and 13 feet below ground surface at site. Groundwater was encountered between 9 to 12 feet below site. Bedrock groundwater flows to the southeast. Only two overburden wells onsite have produced water, therefore a groundwater flow direction in overburden cannot be determined. It is assumed that it flows in the same basic southeast direction as the bedrock groundwater.
Env Problem:	Based on the investigations conducted to date, the primary contaminants of concern at the site are chlorinated volatile organic compounds (VOCs), primarily tetrachloroethylene (PCE) and its breakdown compounds, in soils, groundwater, sub-slab vapor, and soil gas; petroleum-related VOCs in soils, groundwater, sub-slab vapor, and soil gas; and semi-volatile organic compounds (SVOCs) in

SCHMUCKLER'S DRY CLEANERS (Continued) **S107787044**

groundwater. Soils: Tetrachloroethylene (PCE), trichloroethene (TCE), and multiple petroleum related VOCs were detected in onsite soils underneath the building slab. The highest concentration of PCE at 210 parts per million (ppm), exceeding restricted commercial soil cleanup objectives (SCOs), was located underneath the former dry cleaning equipment room. Other contaminants detected in soils only exceeded the Protection of Groundwater SCOs. These exceedences were largely in soils located downgradient of the dry cleaning equipment room and consisted of: TCE at 1.3 ppm, cis-1,2 dichloroethene (cis-1,2-DCE) at 3 ppm, n-propylbenzene at 16 ppm, m+p xylenes at 15 ppm, ethylbenzene at 6.6 ppm, 1,3,5-trimethylbenzene at 63 ppm, and 1,2,4-trimethylbenzene at 99 ppm. Groundwater: Petroleum-based floating product (LNAPL, or light non-aqueous phase liquid) was observed in groundwater under much of the on-site building slab, a maximum of 6 inches thick under the former dry cleaning equipment room. Also observed were very high concentrations of select VOCs also under the former drycleaning equipment room. The maximum detected PCE was 830,000 parts per billion (ppb), and TCE at 58,000 ppb, indicating the presence of these compounds as free product DNAPLs (dense non-aqueous phase liquid) in groundwater. 25 individual VOCs were also detected in site groundwater samples exceeding NYS Class GA groundwater standards. These include the above-mentioned PCE, TCE, as well as other maximum detected concentrations of PCE breakdown products: cis-1,2-DCE at 8,700 ppb, and vinyl chloride at 28 ppb. BTEX was detected, with benzene at 62 ppb, toluene at 130 ppb, ethylbenzene at 150 ppb, m+p xylene at 520 ppb, and o-xylene at 290 ppb. Other significant concentrations of VOCs detected in groundwater include 1,3,5-trimethylbenzene at 890 ppb, and 1,2,4-trimethylbenzene at 840 ppb. Eight SVOCs were detected over groundwater standards in groundwater under the building slab, including napthalene at a concentration of 1300 ppb, phenanthrene at 2400 ppb, acenapthene at 710 ppb, and antracene at 280 ppb. Bedrock wells were installed off-site in the downgradient, sidegradient, and upgradient directions. Petroleum-based VOCs and SVOCs were detected in the bedrock aquifer at concentrations above groundwater standards. For VOCs, total maximum BTEX concentration of 722 ppb was detected in a downgradient bedrock well. 11 individual SVOC contaminants were detected over groundwater standards in the same downgradient off-site bedrock well, including naphthalene at 4100 ppb, phenanthrene at 2800 ppb, acenapthene at 710 ppb, and antracene at 300 ppb. The extent of groundwater contamination is concentrated underneath the on-site building slab, with petroleum-based VOC and SVOC contaminants and LNAPL extending off-site in the bedrock downgradient or southeast direction. Soil Gas/Soil Vapor: The high concentrations of PCE (787,000 ug/m3), TCE (15,200 ug/m3), cis-1,2-DCE (46,000 ug/m3), and Vinyl Chloride (34 ug/m3) in soil vapor under the slab of the on-site building required the installation and continuing operation of a combined soil vapor extraction and sub-slab mitigation system during a 2008-2013 Interim Remedial Measure (IRM) action. PCE (at 91 ug/m3) and TCE (13.4 ug/m3) were also detected in soil gas outside of the building near the location of a former drywell. Benzene (37 ug/m3), toluene (126 ug/m3), ethylbenzene (85 ug/m3), xylene (555 ug/m3), 1,3,5-trimethylbenzene (3 ug/m3), and 1,2,4-trimethylbenzene (14 ug/m3) were also detected in subslab vapor and soil gas. Special Resources Impacted/Threatened: The site is located in an urban area of the City of New Rochelle. There are no special resources identified near the site.

SCHMUCKLER'S DRY CLEANERS (Continued) **S107787044**

Health Problem:	While direct contact with contaminants in the soil is unlikely because most contaminated soils are found beneath the on-site building, persons who dig below the ground surface adjacent to the building may come into contact with contaminants in subsurface soil. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. A sub-slab depressurization system was installed in the on-site building to prevent vapors beneath the slab from entering the building. Sampling indicates soil vapor intrusion is not a concern in one adjacent off-site building. However, the potential exists for inhalation of site contaminants due to soil vapor intrusion for other nearby off-site buildings.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	40:54'51 / 73:47'03
Dell:	False
Record Add:	12/29/2005 2:46:00 PM
Record Upd:	11/10/2015 3:54:00 PM
Updated By:	KATHOMPS
Own Op:	On-Site Operator
Sub Type:	E
Owner Name:	Not reported
Owner Company:	Comfort Homes & Property Management LLC
Owner Address:	358 North Ave
Owner Addr2:	Not reported
Owner City,St,Zip:	New Rochelle, NY 10801
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Tom Geoffino
Owner Company:	New Rochelle Public Library
Owner Address:	1 Liberty Plaza
Owner Addr2:	Not reported
Owner City,St,Zip:	New Rochelle, NY 10801
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	P03
Owner Name:	Hal Shapiro
Owner Company:	HNJ REALTY, LLC
Owner Address:	364 North Ave #107
Owner Addr2:	Not reported
Owner City,St,Zip:	New Rochelle, NY 10801
Owner Country:	United States of America
Own Op:	Applicant/Requestor
Sub Type:	P03
Owner Name:	HAL SHAPIRO
Owner Company:	HNJ REALTY, LLC
Owner Address:	364 North Ave
Owner Addr2:	#107
Owner City,St,Zip:	New Rochelle, NY 10801
Owner Country:	United States of America
Own Op:	Document Repository

SCHMUCKLER'S DRY CLEANERS (Continued) **S107787044**

Sub Type:	NNN
Owner Name:	Sarah Shepard
Owner Company:	NYSDEC Region 3
Owner Address:	21 S. Putt Corners Rd
Owner Addr2:	Not reported
Owner City,St,Zip:	New Paltz, NY 12561
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	E
Owner Name:	Not reported
Owner Company:	United Community Center of Westchester, Inc.
Owner Address:	360 - 362 North Ave
Owner Addr2:	Not reported
Owner City,St,Zip:	New Rochelle, NY 10801
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	E
Owner Name:	Not reported
Owner Company:	Neighborhood Taxi
Owner Address:	364 North Ave; Suite 108
Owner Addr2:	Not reported
Owner City,St,Zip:	New Rochelle, NY 10801
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	E
Owner Name:	Not reported
Owner Company:	Swan Beauty Spa, Inc
Owner Address:	364 North Ave., Room 101
Owner Addr2:	Not reported
Owner City,St,Zip:	New Rochelle, NY 10801
Owner Country:	United States of America
HW Code:	C360088
Waste Type:	fluorine
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	trans-1,2-dichloroethene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	1,1-dichloroethene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	cymene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	vinyl chloride
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	ethylbenzene

SCHMUCKLER'S DRY CLEANERS (Continued) **S107787044**

Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	ethylbenzene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	1,1,2-TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	cis-1,2-dichloroethene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	butylbenzene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	xylene (mixed)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	1,1-dichloroethane
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	1,4-dichlorobenzene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	n-propylbenzene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	n-propylbenzene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	bis(2-ethylhexyl)phthalate
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	acenaphthene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	toluene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	benzene
Waste Quantity:	UNKNOWN

SCHMUCKLER'S DRY CLEANERS (Continued) **S107787044**

Waste Code:	Not reported
HW Code:	C360088
Waste Type:	1,2-dichlorobenzene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	naphthalene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	anthracene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	diethyl phthalate
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	1,3,5-trimethylbenzene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	phenanthrene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	isopropylbenzene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	1,1,2,2-TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	1,2,4-trimethylbenzene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C360088
Waste Type:	1,2,4-trimethylbenzene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

167
NE
1/2-1
0.566 mi.
2988 ft.

CON EDISON-CEDAR ST WORKS-NEWROCH'LE MGP — **EDR MGP** — **1008407973**
ONE RAMADA PLAZA — **N/A**
NEW ROCHELLE, NY 10801

Relative:
Lower

Actual:
50 ft.

Manufactured Gas Plants:
No additional information available

168
ENE
1/2-1
0.602 mi.
3180 ft.

CONSOLIDATED EDISON - ECHO AVE. SITE — **NY SHWS** — **S101008407**
ECHO AVENUE — **N/A**
NEW ROCHELLE, NY 10801

Relative:
Lower

Actual:
30 ft.

SHWS:

Program:	HW
Site Code:	56077
Classification:	P
Region:	3
Acres:	3
HW Code:	360016
Record Add:	11/18/1999
Record Upd:	05/01/2017
Updated By:	GWHEITZM
Site Description:	Location The Site is located at 78 Echo Avenue in New Rochelle, Westchester County, New York. This 3 acre site is bordered to the north by Echo Bay, an estuary of the Long Island Sound. It is bordered to the east and south by residential properties, to the southwest by Echo Bay Avenue, and to the west by a landscaping company (formerly a fuel oil terminal). Site Features All the former structures and underground utility services have been removed, and the whole site has been levelled, top-soiled and grassed. Current Use The site is currently vacant Past Use of the Site Con Edison used the site as an electrical distribution substation until 1981. PCBs transformers were stored and used at the site. Leaks and spills of PCBs may have occurred in the handling or servicing of these transformers. The soil on site and the sediment in the Bay were contaminated with PCBs.
Env Problem:	Prior to remediation the contaminant of concern was PCBs. Remediation of the site is complete. The cleanup of PCBs and other incidentally detected contaminants has mitigated the threat to the environment, and in particular to the natural habitat in the bay.
Health Problem:	As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public health exposure concerns.
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported

CONSOLIDATED EDISON - ECHO AVE. SITE (Continued) **S101008407**

Own Op:	Disp. Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	CONSOLIDATED EDISON OF NEW YORK, INC
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Consolidated Edison of New York, Inc.
Owner Address:	4 IRVING PLACE
Owner Addr2:	Not reported
Owner City,St,Zip:	NEW YORK, NY 10003
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	E
Owner Name:	Not reported
Owner Company:	Consolidated Edison of New York, Inc.
Owner Address:	4 IRVING PLACE
Owner Addr2:	Not reported
Owner City,St,Zip:	NEW YORK, NY 10003
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Consolidated Edison of New York, Inc.
Owner Address:	4 IRVING PLACE
Owner Addr2:	Not reported
Owner City,St,Zip:	NEW YORK, NY 10003
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	E
Owner Name:	Not reported
Owner Company:	Consolidated Edison of New York, Inc.
Owner Address:	4 IRVING PLACE
Owner Addr2:	Not reported
Owner City,St,Zip:	NEW YORK, NY 10003
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

Count: 4 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NEW ROCHELLE	S108146487	FORMER 7-UP BOTTLING PLANT	JOYCE RD	10802	NY HSWDS
NEW ROCHELLE	S113916612	MEARL CORP.	PALMER AVE	10801	NY SHWS
NEW ROCHELLE	S117975694	MM 5.4 LEFT LANE	I-95 SOUTHBOUND		NY LTANKS
PELHAM MANOR	S108146283	CONED, PELHAM	PELHAM PKWY.	10803	NY HSWDS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 05/30/2017
Date Data Arrived at EDR: 06/08/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 99

Source: EPA
Telephone: N/A
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 05/30/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 98

Source: EPA
Telephone: N/A
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 05/30/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 98

Source: EPA
Telephone: N/A
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/07/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/21/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 02/07/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/22/2017
Date Data Arrived at EDR: 06/13/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 94

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/10/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 101

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/30/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 101

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/30/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 43

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 05/16/2017
Date Data Arrived at EDR: 05/18/2017
Date Made Active in Reports: 08/10/2017
Number of Days to Update: 84

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Annually

VAPOR REOPENED: Vapor Intrustion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 05/18/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 127

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Varies

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 07/06/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/17/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/07/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/06/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

LTANKS: Spills Information Database

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 05/16/2017
Date Data Arrived at EDR: 05/18/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/14/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Varies

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Semi-Annually

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/17/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/06/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 01/14/2017
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/07/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

TANKS: Storage Tank Faciliy Listing

This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

ENV RES DECL: Environmental Restrictive Declarations

The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 06/27/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 1

Source: New York City Department of City Planning
Telephone: 212-720-3300
Last EDR Contact: 09/19/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Varies

RES DECL: Restrictive Declarations Listing

A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010
Date Data Arrived at EDR: 06/30/2014
Date Made Active in Reports: 07/21/2014
Number of Days to Update: 21

Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 09/22/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Varies

ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 05/16/2017
Date Data Arrived at EDR: 05/18/2017
Date Made Active in Reports: 08/10/2017
Number of Days to Update: 84

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 05/16/2017
Date Data Arrived at EDR: 05/18/2017
Date Made Active in Reports: 08/10/2017
Number of Days to Update: 84

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Varies

VCP: Voluntary Cleanup Agreements
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 05/16/2017
Date Data Arrived at EDR: 05/18/2017
Date Made Active in Reports: 08/10/2017
Number of Days to Update: 84

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Semi-Annually

VCP NYC: Voluntary Cleanup Program Listing NYC
New York City voluntary cleanup program sites.

Date of Government Version: 12/19/2016
Date Data Arrived at EDR: 12/20/2016
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 143

Source: New York City Office of Environmental Protection
Telephone: 212-788-8841
Last EDR Contact: 09/18/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List
A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 05/16/2017
Date Data Arrived at EDR: 05/18/2017
Date Made Active in Reports: 08/10/2017
Number of Days to Update: 84

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Semi-Annually

ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 05/16/2017
Date Data Arrived at EDR: 05/18/2017
Date Made Active in Reports: 08/10/2017
Number of Days to Update: 84

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/19/2017
Date Data Arrived at EDR: 06/20/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/20/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 07/06/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Semi-Annually

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 06/14/2017
Date Data Arrived at EDR: 06/16/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 98

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 09/15/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 08/01/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/24/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 08/29/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 93
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/30/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: No Update Planned

DEL SHWS: Delisted Registry Sites
A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 08/15/2017
Date Data Arrived at EDR: 08/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 36
Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Annually

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 93
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/30/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Spill Liens Information
Lien information from the Oil Spill Fund.

Date of Government Version: 08/07/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 45
Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 08/07/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/26/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/28/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 37
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

SPILLS: Spills Information Database
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 05/16/2017
Date Data Arrived at EDR: 05/18/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/25/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/12/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/14/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 05/10/2017
Date Data Arrived at EDR: 05/17/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 121

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/07/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/24/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/22/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/23/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2017
Date Data Arrived at EDR: 02/09/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/24/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/08/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2016
Date Data Arrived at EDR: 04/28/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 127

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 08/01/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/12/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/01/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/11/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/22/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/30/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 98

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/08/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 38

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/30/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 09/01/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 09/01/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/14/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 21

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/23/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 9

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 09/06/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 67

Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 07/17/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/19/2017
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 09/06/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 91

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/17/2017
Date Data Arrived at EDR: 08/17/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 29

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 11/09/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/04/2017
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 07/24/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/10/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 31

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Varies

DRYCLEANERS: Registered Drycleaners
A listing of all registered drycleaning facilities.

Date of Government Version: 10/27/2016
Date Data Arrived at EDR: 01/10/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 31

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Varies

E DESIGNATION: E DESIGNATION SITE LISTING
The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 08/22/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 1

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 09/18/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 01/03/2017
Date Data Arrived at EDR: 01/04/2017
Date Made Active in Reports: 02/13/2017
Number of Days to Update: 40

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 12/01/2015
Date Data Arrived at EDR: 12/29/2015
Date Made Active in Reports: 02/11/2016
Number of Days to Update: 44

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Varies

HSWDS: Hazardous Substance Waste Disposal Site Inventory
The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 02/01/2017
Date Made Active in Reports: 02/13/2017
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Annually

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 02/22/2017
Number of Days to Update: 19

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 07/24/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: No Update Planned

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 12/08/2016
Date Made Active in Reports: 02/13/2017
Number of Days to Update: 67

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 06/26/2017
Date Data Arrived at EDR: 08/18/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 35

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 07/31/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 06/26/2017
Date Data Arrived at EDR: 08/18/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 35

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 07/31/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 07/31/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

Registered Tank Database in Nassau County
A listing of facilities in Nassau County with storage tanks.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Department of Health
Telephone: 516-227-9691
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 07/31/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

ROCKLAND COUNTY:

Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189
Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 08/31/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189
Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 08/31/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/23/2015
Number of Days to Update: 13
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/23/2015
Number of Days to Update: 13
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 07/03/2017
Date Data Arrived at EDR: 08/15/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 38
Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 07/31/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 07/03/2017
Date Data Arrived at EDR: 08/15/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 38
Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 07/31/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 107

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/10/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/17/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/21/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 05/12/2017
Date Data Arrived at EDR: 05/23/2017
Date Made Active in Reports: 08/16/2017
Number of Days to Update: 85

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 07/17/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/11/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

33-35 CENTRE AVENUE
33-35 CENTRE AVENUE
NEW ROCHELLE, NY 10801

TARGET PROPERTY COORDINATES

Latitude (North):	40.908227 - 40° 54' 29.62''
Longitude (West):	73.785527 - 73° 47' 7.90''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	602284.4
UTM Y (Meters):	4529067.5
Elevation:	91 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5940557 MOUNT VERNON, NY
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

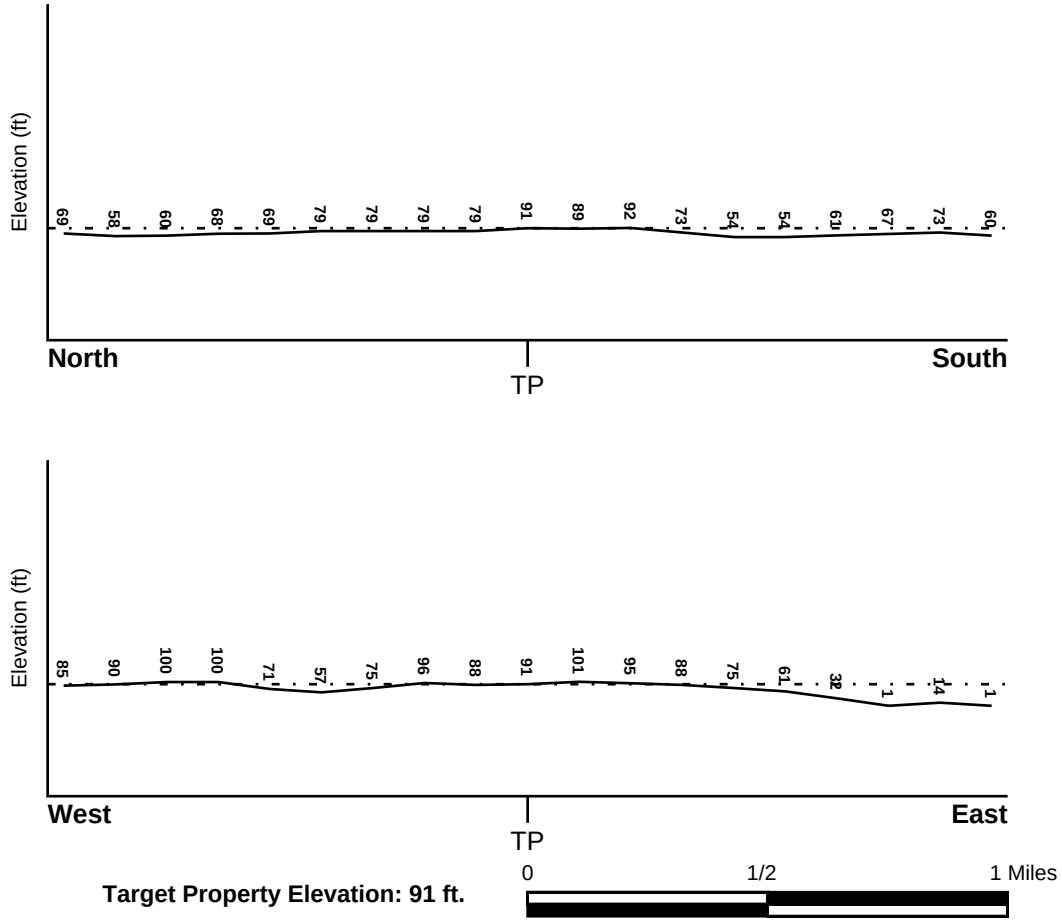
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 91 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
36119C0341F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
36119C0342F	FEMA FIRM Flood data
36119C0343F	FEMA FIRM Flood data
36119C0344F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
MOUNT VERNON	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

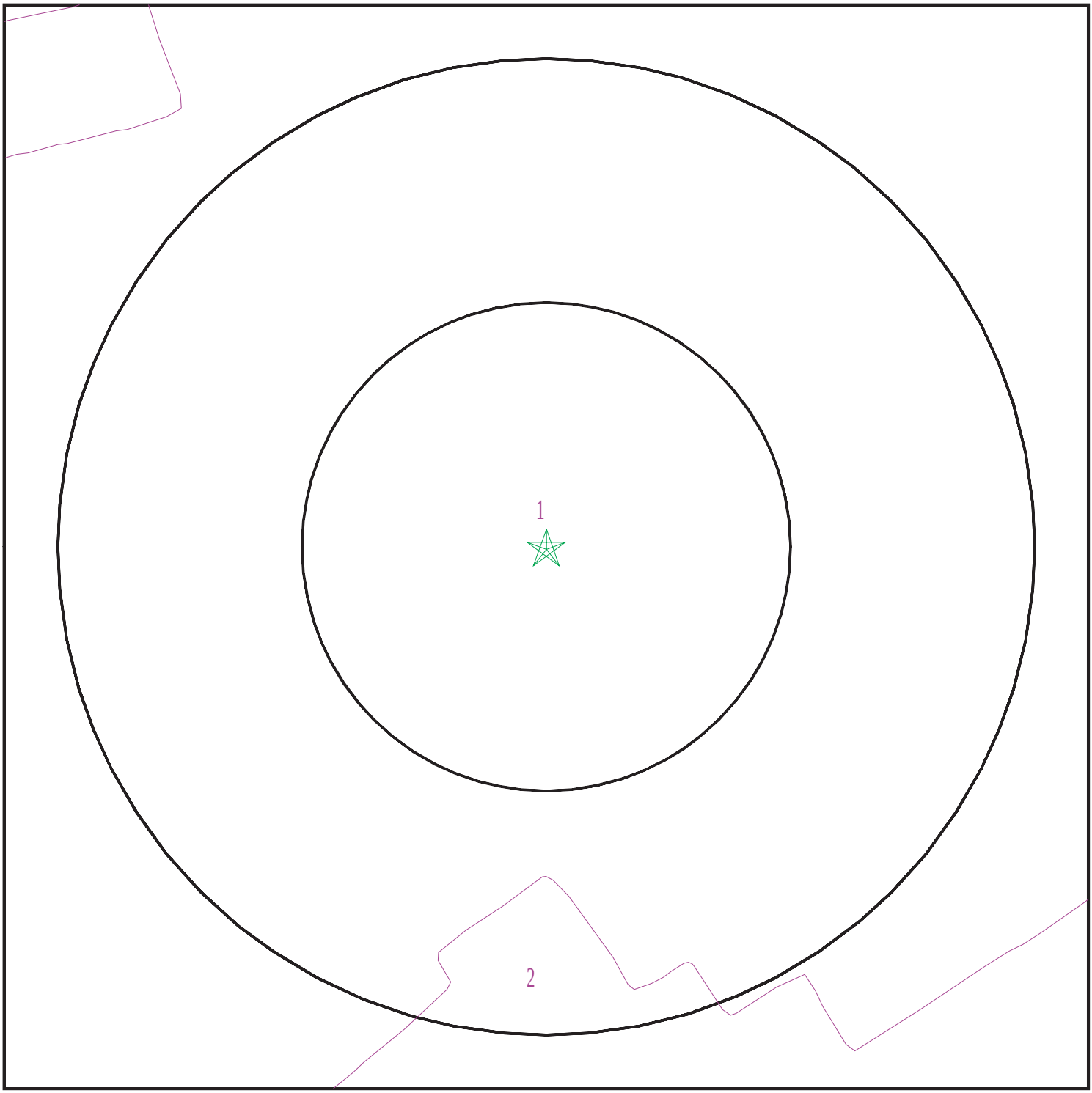
Era:	Paleozoic
System:	Ordovician
Series:	Middle Ordovician (Mohawkian)
Code:	O2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5063908.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	33-35 Centre Avenue	CLIENT:	Ecosystems Strategies, Inc.
ADDRESS:	33-35 Centre Avenue New Rochelle NY 10801	CONTACT:	Victoria Panico
LAT/LONG:	40.908227 / 73.785527	INQUIRY #:	5063908.2s
		DATE:	October 03, 2017 6:06 pm

Copyright © 2017 EDR, Inc. © 2015 TomTom Rel. 2015.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000835790	1/8 - 1/4 Mile ENE
3	USGS40000835842	1/4 - 1/2 Mile NNE
4	USGS40000835557	1/2 - 1 Mile SSW
5	USGS40000835908	1/2 - 1 Mile NNE
6	USGS40000835896	1/2 - 1 Mile NE
7	USGS40000835943	1/2 - 1 Mile North
A8	USGS40000835494	1/2 - 1 Mile SSW
A9	USGS40000835495	1/2 - 1 Mile SSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	NY0002662	1/4 - 1/2 Mile NE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

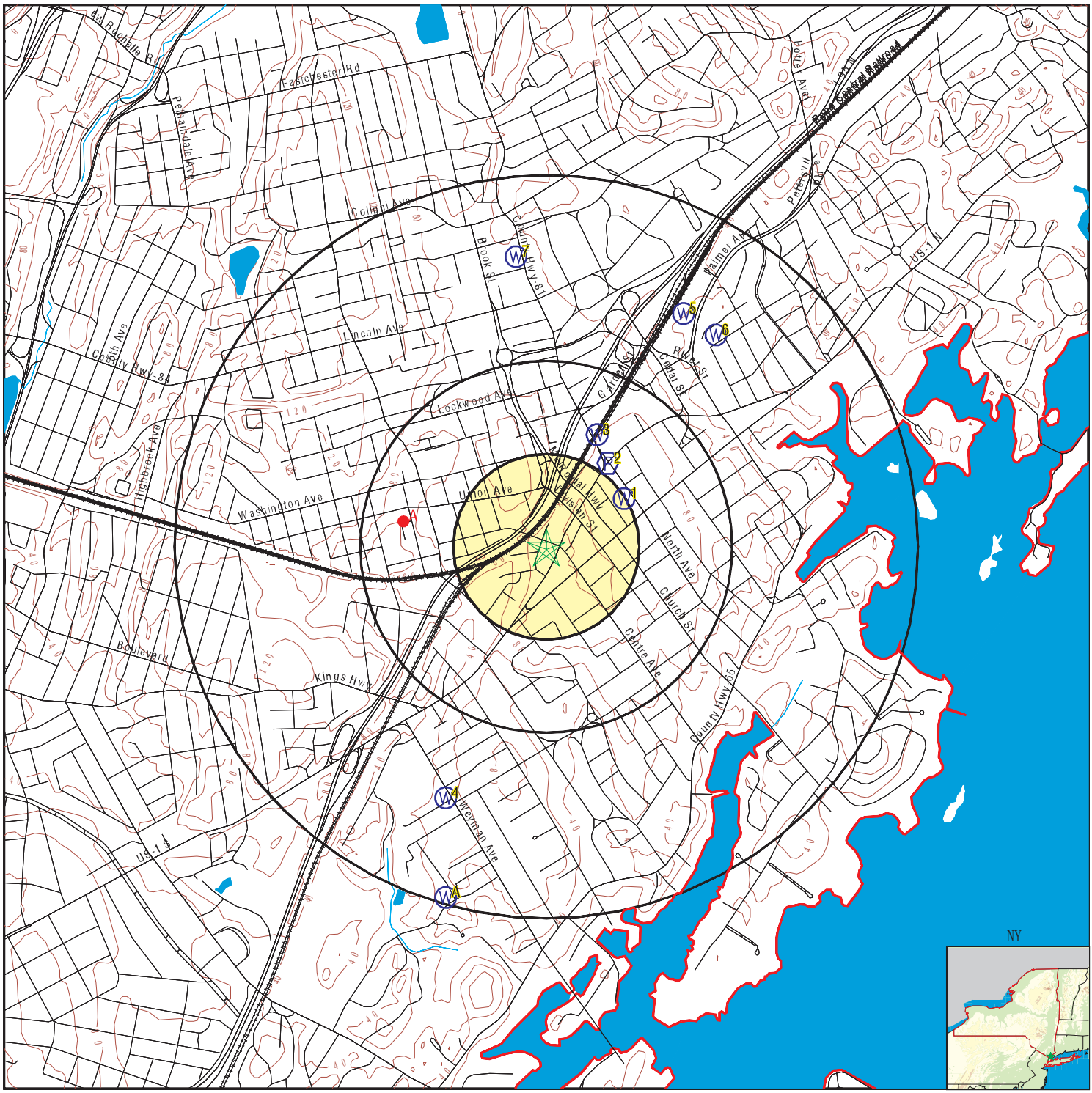
MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	NYOG80000040052	1/4 - 1/2 Mile WNW
A2	NYOG80000040051	1/4 - 1/2 Mile West
A3	NYOG80000040050	1/4 - 1/2 Mile West
A4	NYOG80000040053	1/4 - 1/2 Mile West
A5	NYOG80000040049	1/4 - 1/2 Mile West

PHYSICAL SETTING SOURCE MAP - 5063908.2s



County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME:	33-35 Centre Avenue	CLIENT:	Ecosystems Strategies, Inc.
ADDRESS:	33-35 Centre Avenue New Rochelle NY 10801	CONTACT:	Victoria Panico
		INQUIRY #:	5063908.2s
LAT/LONG:	40.908227 / 73.785527	DATE:	October 03, 2017 6:06 pm

Copyright © 2017 EDR, Inc. © 2015 TomTom Rel. 2015.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
ENE **FED USGS** **USGS40000835790**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-405436073465501		
Monloc name:	WE 105		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030102	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.9100993
Longitude:	-73.7815215	Sourcemap scale:	Not Reported
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	98.00
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	268
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1955	8.00	

2
NE **FRDS PWS** **NY0002662**
1/4 - 1/2 Mile
Lower

PWS ID: NY0002662
Date Initiated: Not Reported Date Deactivated: Not Reported
PWS Name: POLO'S
RT 6
BREWSTER, NY 10509

Addressee / Facility: System Owner/Responsible Party
ROTONDE ANTHONY
C/O ANTHONY ROTONDE
RT 6
BREWSTER, NY 10509

Addressee / Facility: System Owner/Responsible Party
ROTONDE ANTHONY
C/O ANTHONY ROTONDE
RT 6
BREWSTER, NY 10509

Facility Latitude:	40 54 41	Facility Longitude:	073 46 58
City Served:	SOUTHEAST (T)		
Treatment Class	Not Reported	Population:	Not Reported

Violations information not reported.

3
NNE **FED USGS** **USGS40000835842**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-405445073470001		
Monloc name:	WE 100		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030102	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.9125993
Longitude:	-73.7829104	Sourcemap scale:	Not Reported
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	85.00
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	300
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1955	8.00	

4
SSW **FED USGS** **USGS40000835557**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-405354073472801		
Monloc name:	WE 103		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.8984329
Longitude:	-73.7906885	Sourcemap scale:	Not Reported

Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	50.00
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	220
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1955	12.00	

5
NNE **FED USGS** **USGS40000835908**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-405502073464401		
Monloc name:	WE 283		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030102	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.9173214
Longitude:	-73.7784658	Sourcemap scale:	Not Reported
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	50.00
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

6
NE **FED USGS** **USGS40000835896**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-405459073463801		
Monloc name:	WE 104		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030102	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.9164881
Longitude:	-73.7767991	Sourcemap scale:	Not Reported
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35.00
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	750
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1955	15.00	

7
North
1/2 - 1 Mile
Lower

FED USGS **USGS40000835943**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-405510073471501		
Monloc name:	WE 98		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030102	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.9195436
Longitude:	-73.7870772	Sourcemap scale:	Not Reported
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	55.00
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	401
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1955	4.00	

A8
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000835494**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-405340073472801		
Monloc name:	WE 108		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.894544
Longitude:	-73.7906885	Sourcemap scale:	Not Reported
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	20.00
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	550
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1955	8.00	

A9
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000835495**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-405340073472802		
Monloc name:	WE 109		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.894544
Longitude:	-73.7906885	Sourcemap scale:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	20.00
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	500
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID
Direction
Distance

Database EDR ID Number

A1
WNW
1/4 - 1/2 Mile

OIL_GAS **NYOG80000040052**

Api wellno:	31119237750000	Cnty:	0
Hole:	23775	Sidetrck:	0
Completion:	0	Well name:	SCW 4
Company na:	180 Union Avenue Owner LP	Operator n:	2438
Well type:	TH	Map symbol:	O
Well statu:	AC	Date statu:	2008-11-13 00:00:00
Date permi:	2008-04-04 00:00:00	Permit iss:	2008-05-13 00:00:00
Date spudd:	2008-09-02 00:00:00	Date total:	2008-09-19 00:00:00
Date well :	2008-10-09 00:00:00	Date wel00:	Not Reported
Date wel01:	2	Confid:	Released
Town:	New Rochelle	Quad:	Mount Vernon
Quadsec:	H	Producing :	Not Applicable
Producin00:	Not Applicable	Financial :	True
Slant:	Vertical	County:	Westcheste
Region:	3	State leas:	NA
Proposed d:	1500	Surface lo:	SURF
Surface 00:	-73.792499		
Surface la:	40.909323		
Bottom hol:	BH		
Bottom h00:	-73.792499		
Bottom h01:	40.909323		
True verti:	500	Measured d:	500
Kickoff:	0	Drilleddep:	500
Elevation:	75	Original w:	TH
Permit fee:	670	Objective :	NA - Geoexchange
Depth fee:	570	Spacing:	Exempt - not an oil or gas well
Spacing ac:	Not Reported	Integratio:	N
Dt hearing:	Not Reported	Dt mod:	2009-03-02 08:26:15.897000000
Link:	http://www.dec.ny.gov/cfmx/extapps/GasOil/search/wells/index.cfm?api=31119237750000		
Site id:	NYOG80000040052		

A2
West
1/4 - 1/2 Mile

OIL_GAS **NYOG80000040051**

Api wellno:	31119237740000	Cnty:	0
Hole:	23774	Sidetrck:	0
Completion:	0	Well name:	SCW 3
Company na:	180 Union Avenue Owner LP	Operator n:	2438
Well type:	TH	Map symbol:	O
Well statu:	AC	Date statu:	2008-11-13 00:00:00
Date permi:	2008-04-04 00:00:00	Permit iss:	2008-05-13 00:00:00
Date spudd:	2008-08-21 00:00:00	Date total:	2008-09-16 00:00:00
Date well :	2008-10-09 00:00:00	Date wel00:	Not Reported
Date wel01:	2	Confid:	Released
Town:	New Rochelle	Quad:	Mount Vernon
Quadsec:	H	Producing :	Not Applicable
Producin00:	Not Applicable	Financial :	True
Slant:	Vertical	County:	Westcheste
Region:	3	State leas:	NA
Proposed d:	1500	Surface lo:	SURF
Surface 00:	-73.792772		
Surface la:	40.909283		
Bottom hol:	BH		
Bottom h00:	-73.792772		

Bottom h01:	40.909283		
True verti:	500	Measured d:	500
Kickoff:	0	Drilleddep:	500
Elevation:	73	Original w:	TH
Permit fee:	670	Objective :	NA - Geoexchange
Depth fee:	570	Spacing:	Exempt - not an oil or gas well
Spacing ac:	Not Reported	Integratio:	N
Dt hearing:	Not Reported	Dt mod:	2009-03-02 08:26:30.367000000
Link:	http://www.dec.ny.gov/cfmx/extapps/GasOil/search/wells/index.cfm?api=31119237740000		
Site id:	NYOG80000040051		

A3
West
1/4 - 1/2 Mile

OIL_GAS **NYOG80000040050**

Api wellno:	31119237730000	Cnty:	0
Hole:	23773	Sidetrck:	0
Completion:	0	Well name:	SCW 2
Company na:	180 Union Avenue Owner LP	Operator n:	2438
Well type:	NL	Map symbol:	OP
Well statu:	PA	Date statu:	2008-11-06 00:00:00
Date permi:	2008-04-04 00:00:00	Permit iss:	2008-05-13 00:00:00
Date spudd:	2008-07-10 00:00:00	Date total:	2008-07-19 00:00:00
Date well :	Not Reported	Date wel00:	2008-10-10 00:00:00
Date wel01:	2	Confid:	Released
Town:	New Rochelle	Quad:	Mount Vernon
Quadsec:	H	Producing :	Not Applicable
Producin00:	Not Applicable	Financial :	True
Slant:	Vertical	County:	Westcheste
Region:	3	State leas:	NA
Proposed d:	1500	Surface lo:	SURF
Surface 00:	-73.792953		
Surface la:	40.909185		
Bottom hol:	BH		
Bottom h00:	-73.792953		
Bottom h01:	40.909185		
True verti:	1500	Measured d:	1500
Kickoff:	0	Drilleddep:	1500
Elevation:	71	Original w:	TH
Permit fee:	670	Objective :	NA - Geoexchange
Depth fee:	570	Spacing:	Exempt - not an oil or gas well
Spacing ac:	Not Reported	Integratio:	N
Dt hearing:	Not Reported	Dt mod:	2009-03-02 08:26:56.020000000
Link:	http://www.dec.ny.gov/cfmx/extapps/GasOil/search/wells/index.cfm?api=31119237730000		
Site id:	NYOG80000040050		

A4
West
1/4 - 1/2 Mile

OIL_GAS **NYOG80000040053**

Api wellno:	31119237760000	Cnty:	0
Hole:	23776	Sidetrck:	0
Completion:	0	Well name:	SCW 5
Company na:	180 Union Avenue Owner LP	Operator n:	2438
Well type:	TH	Map symbol:	O
Well statu:	AC	Date statu:	2008-11-13 00:00:00
Date permi:	2008-04-04 00:00:00	Permit iss:	2008-05-13 00:00:00
Date spudd:	2008-09-08 00:00:00	Date total:	2008-09-23 00:00:00
Date well :	2008-10-09 00:00:00	Date wel00:	Not Reported
Date wel01:	2	Confid:	Released
Town:	New Rochelle	Quad:	Mount Vernon
Quadsec:	H	Producing :	Not Applicable
Producin00:	Not Applicable	Financial :	True
Slant:	Vertical	County:	Westcheste
Region:	3	State leas:	NA
Proposed d:	1500	Surface lo:	SURF
Surface 00:	-73.793036		
Surface la:	40.909069		
Bottom hol:	BH		
Bottom h00:	-73.793036		
Bottom h01:	40.909069		
True verti:	500	Measured d:	500
Kickoff:	0	Drilleddep:	500
Elevation:	69	Original w:	TH
Permit fee:	670	Objective :	NA - Geoexchange
Depth fee:	570	Spacing:	Exempt - not an oil or gas well
Spacing ac:	Not Reported	Integratio:	N
Dt hearing:	Not Reported	Dt mod:	2009-03-10 07:50:13.420000000
Link:	http://www.dec.ny.gov/cfmx/extapps/GasOil/search/wells/index.cfm?api=31119237760000		
Site id:	NYOG80000040053		

A5
West
1/4 - 1/2 Mile

OIL_GAS **NYOG80000040049**

Api wellno:	31119237720000	Cnty:	0
Hole:	23772	Sidetrck:	0
Completion:	0	Well name:	SCW 1
Company na:	180 Union Avenue Owner LP	Operator n:	2438
Well type:	TH	Map symbol:	O
Well statu:	AC	Date statu:	2008-11-13 00:00:00
Date permi:	2008-04-04 00:00:00	Permit iss:	2008-05-13 00:00:00
Date spudd:	2008-09-08 00:00:00	Date total:	2008-09-23 00:00:00
Date well :	2008-10-09 00:00:00	Date wel00:	Not Reported
Date wel01:	2	Confid:	Released
Town:	New Rochelle	Quad:	Mount Vernon
Quadsec:	H	Producing :	Not Applicable
Producin00:	Not Applicable	Financial :	True
Slant:	Vertical	County:	Westcheste
Region:	3	State leas:	NA
Proposed d:	1500	Surface lo:	SURF
Surface 00:	-73.793051		
Surface la:	40.909223		
Bottom hol:	BH		
Bottom h00:	-73.793051		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Bottom h01:	40.909223		
True verti:	500	Measured d:	500
Kickoff:	0	Drilleddep:	500
Elevation:	72	Original w:	TH
Permit fee:	670	Objective :	NA - Geoexchange
Depth fee:	570	Spacing:	Exempt - not an oil or gas well
Spacing ac:	Not Reported	Integratio:	N
Dt hearing:	Not Reported	Dt mod:	2009-03-10 07:49:59.300000000
Link:	http://www.dec.ny.gov/cfmx/extapps/GasOil/search/wells/index.cfm?api=31119237720000		
Site id:	NYOG80000040049		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
WESTCHESTER	BEDFORD	108	2.44	1.65	21.7
WESTCHESTER	CORTLANDT	169	5.15	2.22	95.4
WESTCHESTER	EASTCHESTER	76	2.89	1.75	41.9
WESTCHESTER	GREENBURGH	222	2.26	1.46	21.8
WESTCHESTER	HARRISON	69	3.3	2.07	42.3
WESTCHESTER	LEWISBORO	72	3.91	2.61	19.2
WESTCHESTER	MAMARONECK	123	4	2.42	35.9
WESTCHESTER	MT. KISCO	38	2.33	1.72	9.3
WESTCHESTER	MT. PLEASANT	172	2.13	1.43	17.1
WESTCHESTER	MT. VERNON	53	2.82	1.65	32
WESTCHESTER	NEW CASTLE	134	2.2	1.46	31.7
WESTCHESTER	NEW ROCHELLE	127	1.92	1.31	13.8
WESTCHESTER	NO. CASTLE	64	3.49	2.25	16.5
WESTCHESTER	NO. SALEM	56	3.78	2.56	25.7
WESTCHESTER	OSSINING	65	2.08	1.39	10.9
WESTCHESTER	PEEKSKILL	47	3.66	2.34	19.9
WESTCHESTER	PELHAM	26	2.5	1.91	9.1
WESTCHESTER	POUND RIDGE	34	3.37	2.22	18.5
WESTCHESTER	RYE	98	2.24	1.63	9.5
WESTCHESTER	SCARSDALE	138	2.35	1.63	22.4
WESTCHESTER	SOMERS	72	3.89	2.82	21.3
WESTCHESTER	WHITE PLAINS	132	2.76	1.48	65.2
WESTCHESTER	YONKERS	153	2.23	1.37	16
WESTCHESTER	YORKTOWN	181	2.7	1.72	27.2

Federal EPA Radon Zone for WESTCHESTER County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for WESTCHESTER COUNTY, NY

Number of sites tested: 650

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.930 pCi/L	97%	3%	0%
Basement	1.730 pCi/L	84%	13%	2%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

APPENDIX F

Excerpts from Remedial Investigation Report at Adjoining Property

REMEDIAL INVESTIGATION REPORT
INDUSTRIAL OVERALL SERVICES
SITE # 360109

WORK ASSIGNMENT NO. D007619-07

Prepared for:

New York State Department of Environmental Conservation
Albany, New York

Prepared by:
MACTEC Engineering and Consulting, P.C.
Portland, Maine

MACTEC: 3612112221

NOVEMBER 2016

EXECUTIVE SUMMARY

The Industrial Overall Services Site (NYSDEC Site No. 360109) is located at 10 Bartels Place in New Rochelle, Westchester County, New York. It is 0.42 acres in size and resides on a slightly sloping irregular shaped parcel. The main Site feature includes a six-sided building which occupies the majority of the property and a small parking area located to the south and southwest of the building. The surrounding area is urban with a mix of commercial and residential structures.

The Site began operations in 1950 as a uniform and industrial clothing cleaning facility for heavily soiled clothing from auto body and gasoline dispensing businesses. In 1980, Workingman's Closet, a direct factory sales division of Industrial Overall which sells new and reclaimed work clothes, was opened. The Site reportedly operated as a dry cleaning laundering facility for a short time during the 1980's. Current operations at the Site include laundering linens and uniforms for restaurant and other businesses and retail uniform sales.

A Remedial Investigation (RI) was completed at the Site between March 2012 and April 2015 to evaluate the nature and extent of contamination in soil, groundwater, soil vapor, and pore water both on and off-site. Results of this investigation indicate:

- Two sources of contamination (primarily tetrachloroethylene [PCE]) were identified at the Site 1) the lint trap and 2) the debris disposal areas;
- PCE concentrations in soil on the Site and Metro North Railroad property adjacent to the Site exceed the NYS SCGs;
- Concentrations of PCE in overburden and bedrock groundwater exceed the NYS groundwater criteria (5 µg/L) on the Site, and extend approximately 1,900 feet downgradient of the Site;
- PCE in residential sub-slab soil vapor and indoor air exceeded the NYSDOH recommended guidance values at two residential structures and mitigation measures have been implemented;
- Four additional residential structures require ongoing monitoring based on the NYSDOH SVI matrix; and
- The sanitary sewer line was identified as preferential pathway for contaminated vapor to enter into nearby structures.

A Qualitative Exposure Assessment indicated ecological receptors are not present; however; complete exposure pathways exist for:

- Direct exposure to contaminated media on-site (soil, soil vapor, groundwater, and sludge), and
- Soil vapor intrusion into nearby structures.

During the RI, an IRM was implemented to mitigate direct exposure to contaminated soil on an adjacent residential property. The IRM Construction Completion Report was approved by NYSDEC on August 14, 2015.

Based on the findings of the RI, MACTEC recommends preparing a Focused Feasibility Study Report to evaluate alternatives for remediating soil and source areas onsite, as well as contaminated groundwater migrating off-Site. Prior to implementing a remedial action, a pre-design investigation should be conducted to address the following data gaps:

- Delineate the extent of contamination on the MNR property
- Evaluate the potential for Dense Non-Aqueous Phase Liquid and/or soil contamination to exist along the sanitary sewer line
- Delineate the extent of contamination in the bedrock south of the Site
- Delineate the extent of contamination downgradient of the Site
- Evaluate the potential upgradient source(s) of 1,1,1-trichloroethane that is contributing to groundwater contamination at the Site.

4.2 GROUNDWATER SAMPLE RESULTS

Groundwater samples were collected from 53 monitoring wells at, and hydraulically downgradient from the Site. In addition, 30 groundwater grab samples were collected during the RI. Groundwater sampling locations are shown on Figure 2.1 and Figure 2.2. Groundwater results are presented in the following tables and figures:

Table No.	Title
4.18	Site Groundwater VOC Results
4.19	Site Groundwater Summary of Statistics
4.20	Site Groundwater Metals and Petroleum Results
4.21	Railroad Property Groundwater VOC Results
4.22	Railroad Property Groundwater Summary of Statistics
4.23	Railroad Property Groundwater Metals Results
4.24	Downgradient Groundwater VOC Results
4.25	Downgradient Groundwater Summary of Statistics
4.26	Downgradient Groundwater Metals and Petroleum Results
4.27	Other Water VOC and Metals Results
4.28	Groundwater Monitored Natural Attenuation Parameter Results

Figure No.	Title
4.2	PCE Concentrations in Overburden Groundwater
4.3	PCE Concentrations in Bedrock Groundwater
4.4	TCE Concentrations in Overburden Groundwater
4.5	TCE Concentrations in Bedrock Groundwater
4.6	1,1,1-TCA Concentrations in Overburden Groundwater
4.7	1,1,1 TCA Concentrations in Bedrock Groundwater.
4.8	Geologic Cross Section A-A’ with PCE and TCE Concentrations in Groundwater
4.9	Geologic Cross Section B-B’ with PCE and TCE Concentrations in Groundwater

4.2.1 Site Groundwater Sample Results

Seventy-seven groundwater samples were collected from 41 locations on Site for VOC analysis. Seven additional samples were collected for RCRA 8 metals analysis and one for TPH. A review of the Site groundwater results indicate the following findings:

- PCE was detected in 73 samples from 40 locations at concentrations exceeding the GA Standard (5 µg/l);
    - The highest concentration of PCE detected in Site groundwater was interpreted to be co-located with a source area (SP-003) beneath the lint trap at a concentration of 170,000 µg/l;
- TCE concentrations were detected in 65 samples from 34 locations exceeding the GA Standard (5 µg/l);
    - The highest concentration of TCE detected in Site groundwater was also interpreted to be co-located with a source area (SP-003) beneath the lint trap at a concentration of 40,000 µg/l; and,
- Metals were not detected at concentrations exceeding the GA Standard.

In general contaminant concentrations increase with depth in overburden and bedrock groundwater, which is consistent with a subsurface discharge of contamination in the lint trap source area (Table 4.18). The bottom of the lint trap is located near the groundwater table approximately (11 feet bgs). Results from the vicinity of the lint trap indicate that contaminants were released from sludge within the trap and migrated vertically into the highly weathered bedrock unit and then spread laterally within that layer as well as into the deeper weathered bedrock aquifer.

4.2.2 Metro North Railroad Groundwater Sample Results

Twenty-two groundwater samples were collected from 13 locations on the MNR property for VOC analysis. Four of these locations were also sampled for RCRA 8 metals analysis. A review of the MNR groundwater results indicate the following findings:

- PCE was detected in 18 samples from 12 locations at concentrations exceeding the GA Standard;
- TCE was detected in eight samples from five locations at concentrations exceeding the GA Standard; and,
- No metals were detected at concentrations exceeding the GA Standard.

4.2.3 Downgradient Groundwater Sample Results

Fifty three samples were collected from 23 locations downgradient of the Site for VOC analysis. Three of these locations were also sampled for RCRA 8 metals analysis. A review of the downgradient groundwater results indicate the following findings:

- PCE was detected in 17 samples (six locations) at concentrations exceeding the GA Standard;
- TCE and cis-1,2-DCE were both detected in 23 samples (nine locations) at concentrations exceeding the GA Standard;
- VC was detected in three samples (two locations) at concentrations exceeding the GA Standard; and,
- Chromium was detected at one location (MW-13 at 791 µg/l) at a concentration exceeding the GA Standard.

Figures 4.2 to 4.7 present groundwater contour plumes for PCE, TCE and 1,1,1-trichloroethane (1,1,1-TCA) from the most recent sample data set from each location.

Groundwater from MW-5, located south of the Bakers Pride building, contains a light non-aqueous phase liquid which was measured in January 2013 using an oil-water-interface probe and estimated to be 0.6 feet thick on top of the groundwater surface. Laboratory analysis of the floating product identified it as #2 fuel oil with a concentration of 13,000 mg/kg. TPH in groundwater in MW-5 was non-detected above the reporting limit.

4.2.4 Background Sample Results

To evaluate if there is an upgradient source from the Site that could be contributing to the contamination plume originating from the Site, upgradient groundwater samples were collected for VOC analysis. VOCs were either not detected or were detected at low concentrations (compared concentrations detected onsite) in groundwater upgradient from the Site (MW-26, MW-26B, MW-27B and PZ-29), indicating that the contamination on Site is not likely from an upgradient source.

4.2.5 Other Water Sample Results

To evaluate the exposure pathway for direct contact with groundwater via sump water, and inhalation of vapors that may migrate from groundwater to air within overlying structure, groundwater was collected from within two residential structures adjacent to the Site (CL-006 and CL-009) and adjacent to each structure (CL-004) and analyzed for VOCs. Residential sump water sampling results are summarized in Table 4.9 and locations are shown on Figure 2.1. PCE was detected in groundwater collected CL-004 at a 2.1 µg/L. TCE and 1,1,1-TCA were not detected in the residential sump water samples.

Three additional water samples were collected from catch basin (CB-001) adjacent to and upgradient of the Site building and from, from within the Site building, standing water (SW-001) from the vault and downgradient from the Site, water (SW-002) from a residential sump pit west of the Site. These water VOC sampling results are shown in Table 4.11 and the locations are shown on Figure 2.1. A review of the sample results indicate the following findings:

- PCE, TCE and ,1,1-TCA were not detected in water collected from CB-001;
- TCE and 1,1,1-TCA were detected in water collected from the vault in the Site building (SW-001) at a concentrations of 75 µg/L and 24 µg/L, respectively; and,
- PCE was detected in water collected downgradient from the Site building (SW-002) at a concentration of 69 µg/L.

Three pore water, samples were collected from a potential surface water discharge location (Burling Brook) located approximately one-mile south of the Site (Figure 2.2). Pore water sample results are summarized in Table 4.10. Site related VOCs were not detected at concentrations above the reporting limits.

4.2.6 Monitoring Well Groundwater MNA Results

Samples from five overburden and two bedrock monitoring wells were submitted for analysis of monitored natural attenuation (MNA) parameters July 2012. Groundwater results were used to evaluate the likelihood that anaerobic biological degradation of chlorinated VOCs is occurring within groundwater at, and downgradient of the Site; therefore, sample results were not compared to SCGs. A subset of MNA parameters were collected from MW-26 and MW-26B to evaluate background

overburden and bedrock groundwater conditions. An evaluation of MNA results is discussed in Section 5. MNA groundwater results are presented in Table 4.7.

4.2.7 Extent of Groundwater Contamination

Figures 4.2 to 4.9 present the extent of PCE, TCE and 1,1,1,-TCA contamination in groundwater. As shown on these figures, Site related contamination was detected in groundwater over 1,900 feet downgradient of the Site.

4.3 SOIL VAPOR INTRUSION SAMPLING

The two primary Site related chlorinated solvents detected in shallow groundwater emanating from the Site are PCE and TCE. SVI sampling was conducted to evaluate if the VOCs detected at the Site and in groundwater downgradient from the Site are migrating into overlying residential structures via vapor intrusion. Therefore, SVI samples were collected from 11 residential structures and five commercial/industrial structures in the vicinity of the Site during the heating seasons between 2012 through 2015. Analytical results for the SVI sampling events are presented in Table 4.29.

Sample results have been submitted to the NYSDEC and NYSDOH in five Confidential SVI Letter Reports (MACTEC, 2012c; MACTEC 2013d; MACTEC 2013d MACTEC, 2014d; MACTEC 2015c; MACTEC, 2015d). Based on the SVI sample results, mitigation measures have been implemented at two structures and continued monitoring was deemed warranted by the NYSDOH at an additional four structures.

In addition to the SVI sampling, three soil vapor samples from exterior locations were collected at the down gradient edge of the groundwater plume to evaluate the potential for SVI in structures located in this area. Exterior soil vapor grab sampling results are shown on Table 4.30. PCE was detected in all three samples, with the highest concentration at 110 micrograms per cubic centimeter (ug/cm^3). Based on this concentration and considering contaminants generally attenuate when migrating through building foundations, it is unlikely concentrations in indoor air in nearby structures would exceed the PCE standard of 30 ug/cm^3.

5.0 CONTAMINANT FATE AND TRANSPORT

This section presents an assessment of contaminant movement and disposition within the environment.

5.1 CONCEPTUAL SITE MODEL UPDATE

A CSM for the Site was first presented in the Field Activities Plan (MACTEC, 2012a). The update presented in this RI has been modified based on the data that was collected during field activities conducted between 2012 and April 2015.

Based on detected concentrations, PCE may be present at the Site as a DNAPL (detected in the vicinity of the lint trap in soil at 21,000 mg/kg and in groundwater at 170,000 µg/l). PCE and its breakdown products have migrated from waste disposal areas (lint trap and debris piles) into soil and overburden groundwater, and then into the bedrock groundwater. Site related contaminants have been detected at concentrations above applicable SCGs in overburden and bedrock groundwater at and downgradient of the Site.

5.1.1 Contaminants of Concern (COC)

The primary Site-related COCs are PCE and its breakdown products (TCE, cis-1,2-dichloroethene [DCE], VC). PCE has historically been used at the Site for dry cleaning operations, its use was purportedly discontinued in the 1980's. 1,1,1-TCA and its breakdown product 1,1-dichloroethane [DCA] have also been detected on Site. 1,1,1-TCA was not believed to have been used in dry cleaning operations at the Site but may have been used when the Site was an active automobile garage. 1,1,1-TCA is commonly used as a solvent for removing grease from machined metal products. Concentrations of 1,1,1-TCA detected in soils do not exceed the Protection of Groundwater SCO; however, concentrations detected in groundwater exceed the GA Standard.

5.1.2 Source Areas and Points of Entry

The presence and distribution of PCE and TCE suggest two source areas are present at the Site; 1) the lint trap (SP-003) located inside the Industrial Overall Services Site building; and 2) debris areas located

west and northwest of the Site. The debris areas are historical disposal areas where waste material from the Site were disposed on the ground surface.

5.1.2.1 Lint Trap Source Area

The lint trap (SP-003) is a four foot by six foot by 9.5 foot deep subsurface structure located inside the Site building which is part of the sanitary sewer system. The purpose of this structure is to collect solid materials from process wastewater prior to discharge to the Westchester County sewer system. The integrity of the walls and bottom the lint trap were evaluated at the time the sludge was removed. The walls of the lint trap were constructed of brick and mortar and found to be in moderate condition with little to no cracks. The bottom of the lint trap was constructed of stones, bricks and cinders with some aggregate mortar, estimated to be 0.2-feet in thickness. The overall condition of the bottom of the lint trap was considered to be in poor condition. A direct push investigation beneath the lint trap identified soils containing what appeared (based on visual observations) to be free-phase product (DNAPL).

Water processed through the lint trap includes, at a minimum, sanitary wastewater, laundering wash water and precipitation collected through roof drains from the Site building. The floor drain (SP-001) adjacent to the former location of the dry cleaning unit (Figure 1.2), drains into the lint trap. Samples collected from the lint trap in 2013 contained PCE source materials. This material was likely disposed from the dry cleaning process into floor drains beneath the Site building that discharged to the lint trap. The lint trap represents a direct entry point for source material to soils, groundwater and shallow, highly weathered bedrock.

5.1.2.2 Debris Pile Waste Disposal Source Area

Debris disposed on the ground surface west and northwest of the Site represents a second source of VOC contamination. Laundry related waste materials including lint have been observed in the debris pile areas. In 2014, sludge which appeared to have been recently disposed on the ground surface, was observed in the debris areas. Based on discussions with Site workers the sludge was determined to have originated from the lint trap within the Site Building (NYS Spill Number 1310684). The sludge contained laundry related wastes including cloth and lint material similar to the materials historically disposed in this area.

PCE contamination is present in surface soil along the MNR tracks exceeding the Protection of Groundwater SCO in 28 of 30 locations, and was detected as high as 190 mg/kg in a 0-0.2 inch sample (SS-300). Migration of contaminants through precipitation (both infiltration and erosion of soil with overland flow) likely mobilized the surficial contamination in the debris piles. PCE is present in soils above the water table (approximately seven feet bgs) at a concentrations as high as 500 mg/kg (SS-301). The vertical and lateral extent of contaminated soils on the MNR property has not been delineated, due to MNR access limitations.

5.1.3 Source Area Mitrgation

Contaminants from source areas at the Site have and are migrating through various mechanisms including: spillage, disposal, migration with precipitation and through groundwater flow.

Contaminants were generated through dry cleaning processes in the Site building. Some of the materials generated in these processes were disposed in the debris areas west and northwest of the Site. Soil samples from the parking lot areas onsite have sporadic PCE contamination in relatively shallow soils exceeding the Protection of Groundwater, Residential and Industrial SCOs which is likely due to incidental spillage when transporting waste from the Site building to the debris areas.

Migration of contaminants through precipitation (both infiltration and erosion of soil with overland flow) likely mobilized the surficial contamination in the debris piles. Contaminants detected on the Residential Use Area likely migrated via overland flow with precipitation. Contamination in groundwater in this area appears to have been caused by contaminant migration through infiltrating precipitation within the source area.

Two PCE hotspots (i.e. concentrations greater than 30 mg/L) were identified in groundwater associated with the Site:

- Overburden and bedrock groundwater associated with the lint trap - (170,000 µg/l at SP-003), and hydraulically downgradient in highly weathered bedrock (140,000 µg/l at PZ-36) and in deeper weathered bedrock (18,000 µg/l at BR-102); and,
- Overburden and bedrock groundwater associated with the debris piles - (38,000 µg/l at MW-30B) and highly weathered bedrock (36,000 ug/L at MW-30B).

Based on soil and groundwater results in the vicinity of the lint trap discharge of high concentrations of PCE, likely as a DNAPL (e.g., greater than its solubility concentration of PCE [150,000 µg/l]), appears to have migrated vertically via gravity into the underlying soils and then into the highly weathered bedrock. Once in the highly weathered bedrock the contamination appears to have migrated horizontally in this highly transmissive layer (i.e. 300 feet/year) as well as vertically into the fractures of the weathered bedrock below. Once in the fracture system within the bedrock aquifer, the DNAPL appears to have continued to drain vertically until the DNAPL movement was halted by matrix diffusion and dilution. Concentrations of TCE generally mimicked the distribution of PCE detected in Site groundwater. The vertical extent of groundwater contamination at the Site and the horizontal extent of groundwater contamination to the south have not been delineated.

Low concentrations of Site-related COCs were detected in groundwater upgradient from the Site (PCE at 2.1 µg/l and TCE at 56 µg/l), suggesting there may be another source contributing in part to groundwater contamination at the Site.

A source of the 1,1,1-TCA detected in groundwater on and downgradient of the Site has not been identified. Distribution of 1,1,1-TCA in groundwater near the Site suggests a source may be present onsite upgradient of the lint trap or perhaps from an upgradient off-site source. It is possible that 1,1,1-TCA was used onsite as degreasers during the period when the building was used to service automobiles. A groundwater sample collected from beneath the Site building (PZ-33) and upgradient from either source area near a reported location of a former hydraulic car lift, contained the highest concentration of 1,1,1-TCA detected on the Site (730 µg/L). Soil collected from the same boring contained 1,1,1-TCA at a concentration of 0.083 mg/kg which is less than the protection of groundwater SCO. Additional sampling is needed to evaluate a potential upgradient contaminant sources along Relyea Place.

5.2 CONTAMINANT PERSISTANCE

Both PCE and 1,1,1-TCA tend to be recalcitrant (i.e., persistent) in the environment. These contaminants can persist in the environment decades after their use is discontinued. Both compounds degrade through reductive dechlorination. The presence of daughter products in groundwater and soil at and downgradient if the Site for both of these compounds suggests that conditions may be suitable for their natural degradation. However, the concentration of the core of the plume remains high, suggesting an on-going source. The on-going source is most likely resulting from soil contamination in the source

areas as well as bedrock matrix diffusion associated with the presumed occurrence of DNAPL in the vicinity of the lint trap.

COCs (i.e., VOCs) detected at concentrations greater than their associated NYS SCGs values for soil and groundwater include, but are not limited to, PCE, TCE, cis-1,2-DCE and VC and 1,1,1-TCA, 1,1,2-TCA, 1,1-DCA and 1,2-DCA. These contaminants are classified as halogenated hydrocarbons and are present in groundwater at and downgradient of the Site property.

The processes that likely control the fate of these VOCs at the Site include volatilization, dissolution, and biodegradation. These processes are briefly discussed below.

Volatilization. The fate of VOCs in surface soils and shallow groundwater is likely volatilization, as VOCs partition rapidly to the atmosphere, and neither biodegradation nor hydrolysis (a photolytic decomposition due to exposure to sunlight) occurs at a rapid rate (Agency for Toxic Substances and Disease Registry, 1997).

Dissolution. Dissolution of VOCs from Site sources to groundwater is a significant transport mechanism for VOCs at the Site. Factors affecting dissolution of VOCs likely are: (1) water table elevation in comparison to source areas; (2) flow rate (residence time) of the groundwater in the contaminated material; (3) solubility of the compound; (4) amount of recharge through VOCs in the unsaturated zone; and (5) the degree of partitioning to soils and sediments.

Biodegradation. Biodegradation reactions can reduce the total mass of VOCs in groundwater. Naturally occurring bacteria in soil are capable of degrading VOCs. The microorganisms require oxygen to aerobically biodegrade VOCs and the concentration of dissolved oxygen is an indicator of the potential for aerobic biologic activity in groundwater. Aerobic biodegradation is particularly effective for aromatic hydrocarbons, such as benzene and toluene, and may be effective in mineralizing TCE daughter products such as 1,2-DCE and VC.

Chlorinated VOCs undergo biodegradation through three different pathways: (1) use as an electron acceptor (reductive dechlorination); (2) use as an electron donor (primary substrate); (3) co-metabolism. Co-metabolism is the process by which a contaminant is fortuitously degraded by an enzyme or cofactor produced during microbial metabolism of another compound.

The most important process for the biodegradation of chlorinated solvents is reductive dechlorination. The chlorinated VOC is utilized as an electron acceptor, and a chlorine atom is removed and replaced with a hydrogen atom. Because chlorinated VOCs are utilized as electron acceptors during reductive dechlorination, an appropriate carbon source is required for microbial growth to occur.

Under aerobic conditions, parent compounds such as PCE are relatively stable and persistent in the environment. Under suitable anaerobic conditions, however, PCE may undergo biologic transformation as the dominant fate process. It has been shown that biodegradation of PCE in groundwater increases with the organic content of the saturated soil.

The complete anaerobic biologic transformation pathway for PCE is:
PCE→TCE→1, 2-DCE→VC→ethene→carbon dioxide and water.

The complete anaerobic biological transformation pathway for 1,1,1-TCA is:
1, 1, 1- TCA→1,1-DCA→chloroethane→carbon dioxide and water

In the presence of fuel hydrocarbons, co-metabolism of chlorinated VOCs can occur, which is apparently taking place in groundwater near MW-5. Fuel-related VOCs (petroleum hydrocarbons) were detected in overburden groundwater at MW-5 and based on the absence of PCE downgradient of MW-5 the fuel is apparently facilitating reductive dechlorination (Figures 4.2 to 4.5). Chlorinated VOCs are indirectly transformed by bacteria as they use the fuel hydrocarbons to meet their energy requirements. In anaerobic environments, many chlorinated organic compounds can only be degraded via cometabolism.

Persistence of VOCs in Site Media.

As previously discussed chlorinated VOCs are fairly persistent in the environment. Dry cleaning operations and the use of PCE reportedly for a short period of time in the 1980's; therefore the high concentration of PCE in the bedrock aquifer has likely been present since at least that time-frame. The residual contamination is likely present in the bedrock matrix. The high concentrations of PCE that have been detected in the bedrock aquifer will likely persist. The contaminant which is likely entrained in the bedrock matrix will slowly diffuse into the aquifer due chemical disequilibrium. Based on the samples collected to date, it is unlikely that the PCE still exists as a separate phase within the aquifer matrix. It is more likely that what was once DNAPL is now entrained in the organic carbon within the overburden

and within the bedrock matrix thereby providing an on-going source of groundwater contamination through the mechanism of diffusion.

5.3 MONITORED NATURAL ATTENUATION

Natural attenuation refers to the presence of microorganisms which are capable of degrading chlorinated solvents. Anaerobic conditions occur under reducing conditions and with little to no dissolved oxygen. Aerobic conditions occur under oxygenated conditions or with high levels of dissolved oxygen.

MNA parameters for groundwater were collected in July 2012 from select monitoring wells from the vicinity of the Site. MNA analytical results are presented in Table 4.3. BIOCHLOR Model (BIOCHLOR) Natural Attenuation Screening forms are included in Appendix I.

BIOCHLOR uses the MNA data to evaluate the likelihood that biodegradation of the chlorinated solvents may be occurring in the aquifer, via reductive dechlorination. Evaluation results are presented as a numerical value in Table 4.3, which represents whether there is *inadequate evidence*, *limited evidence, adequate evidence,* or *strong evidence* that anaerobic biodegradation of chlorinated organics is occurring in the aquifer.

Based on an evaluation of the MNA data for the overburden aquifer, conditions ranged between *limited to adequate evidence for anaerobic biodegradation* in groundwater at the Site (MW-25 and MW-24, respectively). The BIOCHLOR model also indicated that there is *adequate evidence for anaerobic biodegradation* in the overburden aquifer downgradient of the Site (MW-1), suggesting that reductive dechlorination may be occurring. VOC analytical groundwater data collected from 2012 and 2013 supports the BIOCHLOR model, based concentrations of TCE detected in overburden groundwater, as shown on Figure 4.4.

Based on an evaluation of the MNA data for the weathered bedrock aquifer, there is *limited evidence for anaerobic biodegradation* in groundwater at the Site (MW-24B). VOC analytical groundwater data collected in 2012 support BIOCHLOR model, based on the high concentrations of PCE detected (1,400 µg/L) in bedrock groundwater approximately 600 feet downgradient from the Site (Figure 4.3).

5.4 CONTAMINANT MIGRATION

Mapping of the potentiometric surface in the overburden and bedrock was completed and is shown on Figure 3.5 and Figure 3.6. These figures indicate that groundwater is following a subtle topographic valley that was once occupied by a stream. The stream is now contained in a culvert, estimated to be five feet in diameter, and re-appears as Burling Brook, about one mile downgradient of the Site. The overburden groundwater contours southwest of MW-5 suggests that the culvert system may be moving a substantial amount of groundwater (Figure 3.5). The vertical hydraulic gradient between the overburden and bedrock aquifers changes across the area investigated from downward upgradient of the Site to variable at the Site and changing to upward downgradient of the Bakers Pride site.

The downgradient extent of PCE and/or its breakdown products in the overburden and bedrock have been identified. Pore water samples collected at Burling Brook do not indicate the presence of Site-related contaminants. The furthest downgradient detection of Site-related contaminants was at the well pair PZ-14 and MW-28B. Both wells contained low-levels (less than 10 ug/L) of PCE, TCE and cis-1,2-DCE. These wells are approximately 1,900 feet downgradient of the source area. MW-26 cliff, located another 500 feet downgradient, was non-detect Site related COCs (Figures 4.2 to 4.5).

Upgradient nested wells (i.e., overburden/bedrock) indicate a low concentration of TCE (4.4 µg/l) in the bedrock well (MW-26B). Chlorinated solvents were not detected in the upgradient overburden well (MW-26). The vertical hydraulic gradient between the overburden and bedrock is downward at the MW-26/26B well pair. The presence of low-level TCE contamination is potentially the result of an upgradient source that has contaminated the bedrock aquifer; the presence of TCE in MW-26B does not appear to be related to the Site.

Surface soil samples collected in a drainage pathway on an adjacent Residential Use Property showed PCE at a concentration of 46 mg/kg at less than a foot in depth. This contamination was likely the result of soil migration through transportation from the debris disposal areas located on the Site and MNR properties. The presence of PCE at this concentration in surface soil presented a potential for direct contact to residents of the property, and indicate that discharge of PCE to the environment may still be on-going. An IRM was conducted in 2014 to remove the soil exceeding the Residential SCO and re-grade the Site to prevent future transport of contaminants via surface run-off from the debris areas onto the Residential Use Property.

Subsurface soil samples collected in borings located downgradient of the Site building showed low concentrations of PCE, ranging from non-detect to 0.65 mg/kg. This contamination is likely the result of contaminated groundwater migration and not indicative of an additional PCE source area.

6.0 QUALITATIVE EXPOSURE ASSESSMENT

6.1 INTRODUCTION

This section provides a Qualitative Exposure Assessment (QEA) for soil, groundwater and soil vapor at the Site. The QEA was performed in accordance with NYSDEC DER-10 Technical Guidance (NYSDEC, 2010), which indicates that the assessment should evaluate the mechanisms or exposure pathways by which humans and the environment may be potentially exposed to contamination associated with the Site. This section also evaluates the significance of exposure that may occur through the potential exposure pathways. This exposure assessment involves five elements:

1. Description of the contaminant source and the contaminated environmental medium (discussed in detail in Section 5.0);
2. An explanation of the contaminant release and transport mechanisms to the exposed population (discussed in detail in Section 5.0);
3. Identification of potential exposure points to which the populations may come in contact with contaminated medium (discussed in detail in Section 5.0);
4. Description of the routes of exposure (i.e., ingestion, inhalation, etc.); and
5. Characterization of the receptor population who may be exposed to contaminants at the identified points of exposure (takes into consideration the populations that may be potentially exposed to Site-related contamination under the current and future land uses).

In addition, this section includes a discussion of contaminant concentrations at potential exposure points compared to regulatory SCGs.

6.2 RECEPTORS, EXPOSURE PATHWAYS, AND EXPOSURE POINTS

The current and anticipated future use of the Site property is commercial/industrial. The properties bordering the Site include both residential and commercial uses.

The Site related contaminants of concern are VOCs. These contaminants either were spilled, leaked, disposed in the sanitary sewer (lint trap) or were disposed of to the ground surface resulting in contamination of soil, groundwater, and soil vapor. Two potentially completed exposure pathways were identified emanating from the Site;

- Inhalation of contaminated VOC vapors through vapor intrusion into the indoor air of nearby structures
    - volatile chemicals may partition from groundwater or a subsurface source and migrate via vapor intrusion into the indoor air of overlying structures; and,
    - migration of volatile chemicals through a preferential pathway (e.g. subsurface utility corridors and connecting utility lines);
- Direct contact by humans with contaminated surficial soil on, and adjacent to the Site.
    - Contaminated surficial soil on the adjacent residential property was addressed in the form of a soil removal program, as part of an IRM.

Ecological receptors were not identify based on the fact that the Site is largely occupied by the Site building and asphalt parking areas prohibiting ecological habitat. The significance of exposure pathways associated with soil, groundwater and soil vapor/indoor air media is evaluated in this subsection through comparison of analytical data to standard and guidance concentrations published by the NYS and NYSDOH and/or background concentrations.

6.2.1 Soil

VOCs, predominately PCE and TCE, were detected in surficial soils on MNR property, creating a direct exposure risk under commercial uses. These areas are currently gravel (railroad ballast) and unconsolidated sands, and commercial or industrial workers may have the potential to come in contact with the contaminated soil. The potential for contaminant migration from surface soil near the railroad tracks, on to the adjacent residential use property via precipitation, remains as a future potential exposure risk.

If sub-surface work were to occur in the vicinity of the identified contaminated soil direct contact to contaminated soil could occur. Due to the presence of underground utilities (sanitary sewer, storm sewer, water supply line and natural gas) in this vicinity of the lint trap there is a potential that subgrade utility work may be conducted in this area.

6.2.2 Groundwater

Groundwater at and in the vicinity of the Site is not used as drinking water and therefore there is not a potential for direct exposures from drinking contaminated groundwater under the current or anticipated

future land uses. However, a comparison of groundwater analytical data to NYS drinking water standards and guidance values was performed. VOCs (primarily PCE, TCE, cis-1,2-DCE, and 1,1,1-TCA) were detected in groundwater at, and downgradient from the Site at concentrations exceeding NYS class GA drinking water standards. Direct contact with contaminated groundwater is possible if excavations are conducted within the area of the overburden groundwater plume (depth to groundwater at the Site varies from between approximately five and seven feet bgs). Minimal direct exposure to contaminated groundwater could also occur if work was conducted on basement sumps that potentially contain relatively low concentrations of VOCs in groundwater (PCE detected at a concentration of 2.1 µg/l in CL-004).

A deep irrigation well (250 feet bgs) was identified at a golf course located approximately one-mile downgradient from the Site; however, groundwater characteristics at that location well are unknown. The irrigation well is currently not in service; therefore, exposure to contaminated groundwater (if present) via inhalation from irrigation is not currently considered to be a completed pathway.

6.2.3 Surface Water

Surface water was not evaluated during the RI; however, three pore water samples were collected at the presumed groundwater discharge location in Burling Brook approximately one-mile south of the Site. VOCs were not detected in pore water; therefore, direct contact with contaminated shallow groundwater potentially discharging to surface water is not anticipated to be a complete exposure pathway for the Site.

6.2.4 Soil Vapor

Comparing concentrations of chlorinated VOCs detected in soil vapor and indoor air from residential dwellings near the Site to the NYSDOH decision matrix resulted in implementing vapor control measures in two residential structures (Structure 1 and Structure 10). A SSDS was installed at Structure 10. The sanitary sewer cleanout was permanently sealed in Structure 1 because vapor contamination detected in Structure 1 was determined to be entering via a preferential pathway, or from an open sanitary sewer line in the basement of the dwelling (described below). The continued monitoring is recommended by the NYSDOH for both dwellings containing vapor control measures.

Based on the VOC concentrations detected, the NYSDOH decision matrix recommended the continued monitoring for an additional four residential structures. No further action was deemed necessary at the remaining five residential dwellings.

PCE and TCE was detected in soil vapor (concentrations ranging from 3.6 µg/m^3 to 110 µg/m^3 and non-detect to 3.8 µg/m^3, respectively) beneath five commercial structures near the Site, suggesting the potential for vapor intrusion. Soil vapor intrusion at commercial structures near the Site was not fully evaluated (i.e. indoor air samples were not collected); therefore, a completed exposure pathway was not evaluated.

SVI sampling events and results are discussed in further detail in standalone confidential reports (MACTEC, 2012c; MACTEC 2013e; MACTEC, 2013d; MACTEC, 2014d; MACTEC, 2015c; and, MACTEC, 2015d).

Groundwater and soil vapor grab sample results downgradient from the Site (near the former Bakers Pride site on Pine Street) suggest there may be a potential for vapor intrusion; however, residential locations in this area were not sampled and the exposure pathway could therefore not be evaluated.

6.2.5 Sanitary Sewer Line Vapor Intrusion

One identified source area at the Site (lint trap) is directly connected to the Westchester County sanitary sewer line. Vapor sample results from samples collected from two residential sanitary sewer cleanouts hydraulically downgradient from the Site, suggest that the sanitary sewer line may be acting as a transport mechanism for contaminated vapor to enter residential dwellings. An evaluation of the extent of contamination along the sanitary sewer line has not been conducted. Direct inhalation of contaminated vapors in the sanitary sewer near the Site is a complete pathway for WCDEF employees entering the subgrade sewer system for routine maintenance or cleaning.

7.0 SUMMARY AND CONCLUSIONS

7.1 SUMMARY

The Site is located at 10 Bartels Place in New Rochelle, Westchester County, New York (Figure 1.1). It is 0.42 acres in size and resides on a slightly sloping irregular shaped parcel. The main Site feature includes a six-sided building which occupies the majority of the property and a small parking area located to the south and southwest of the building. The surrounding area is urban with a mix of commercial and residential structures.

The Site began operations in 1950 as a uniform and industrial clothing cleaning facility for heavily soiled clothing from auto body and gasoline dispensing businesses. In 1980, Workingman's Closet, a direct factory sales division of Industrial Overall which sells new and reclaimed work clothes, was opened. The Site reportedly operated as a dry cleaning laundering facility for a short time during the 1980's. Current operations at the Site include, laundering linens and uniforms for restaurant and other businesses and retail uniform sales.

RI field investigations were completed at the Site between March 2012 and April 2015, and consisted of:

- Soil sampling (surface and subsurface), both on the Site and off-site;
- Monitoring well installation;
- Groundwater sampling and groundwater elevation measurements from monitoring wells;
- Bedrock Sampling and downhole geophysics;
- SVI sampling from 15 structures located in the vicinity of the Site;
- Pore water sampling at Burling Brook, the presumed groundwater discharge; and,
- An IRM for removal of soil on the Residential Use property exceeding the Residential SCOs was conducted.

7.2 CONCLUSIONS

Results of this investigations show:

- Two sources of contamination currently exist at the Site 1) the lint trap and 2) the debris disposal areas;
- The QEA indicated ecological receptors are not present; however; completed exposure pathways exist for:
    - Direct exposure to soil exceeding the residential, commercial and industrial SCOs;
    - If sub-surface work were to occur in the vicinity of the identified contaminated soil, groundwater or soil vapor, direct exposure could occur; and,
    - Soil vapor intrusion into nearby structures.
- PCE concentrations in soil on the Site and MNR property adjacent to the Site exceed the NYS SCGs;
- VOC concentrations of PCE in overburden and bedrock groundwater exceed the NYS groundwater criteria (5 µg/L) on the Site, and extend approximately 1,900 feet downgradient of the Site;
- PCE in residential sub-slab soil vapor and indoor air exceeded the NYSDOH recommended guidance values at two residential structures and mitigation measures have been implemented;
- Four additional residential structures require ongoing monitoring based on the NYSDOH SVI matrix; and,
- The sanitary sewer line was identified as preferential pathway for contaminated vapor to enter into nearby structures.

7.3 RI DATA GAPS

A review of the data generated during the RI identified the following data gaps:

- The extent of bedrock groundwater contamination on Site to the south has not been fully delineated;
- The extent (both horizontally and vertically) of bedrock groundwater contamination above NYS Class GA groundwater standards downgradient of the Site has not been fully delineated;
- Potential source of 1,1,1-TCA contamination detected in groundwater has not been fully characterized;
- The extent of soil contamination associated with the debris pile on the MNR property has not been fully delineated;

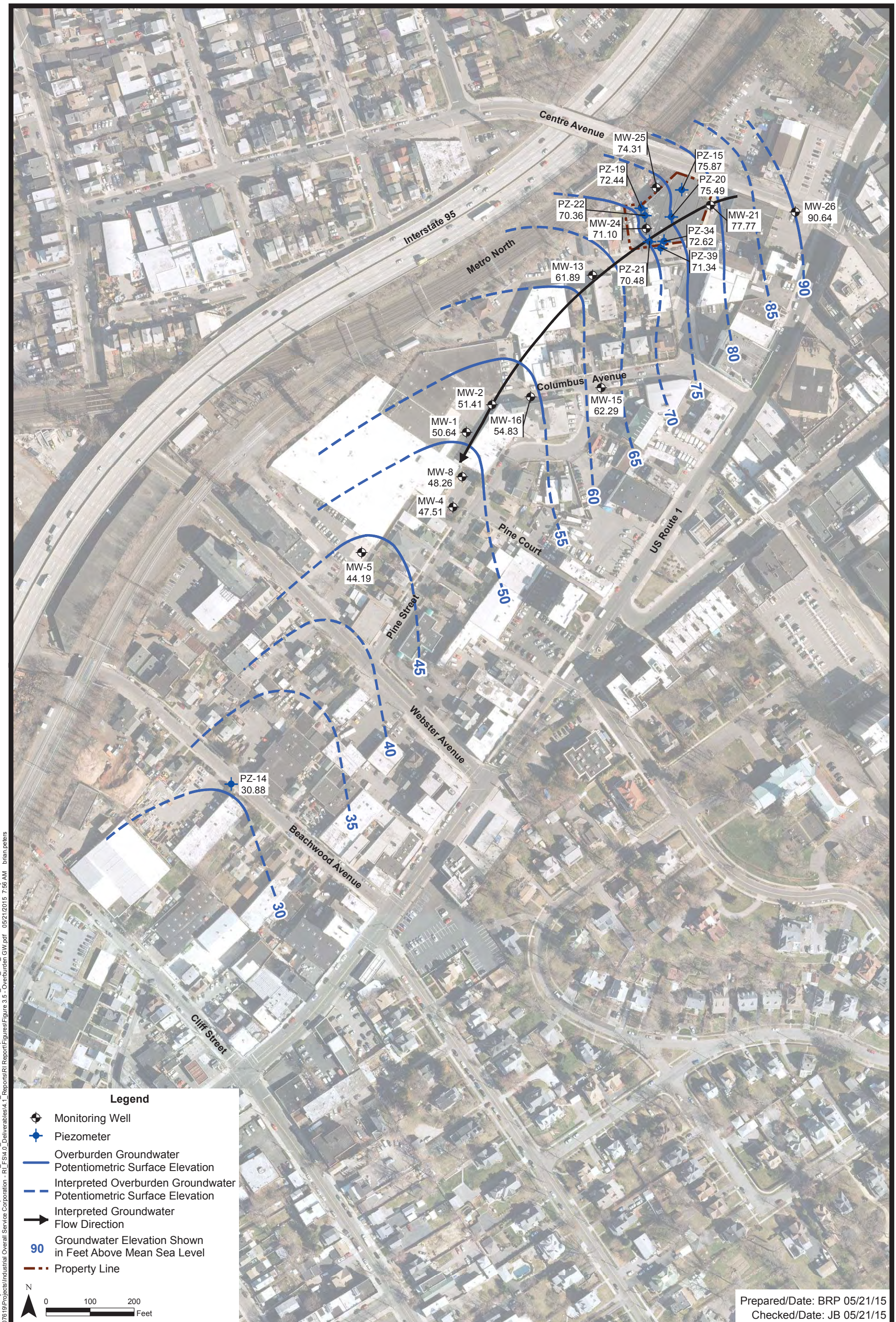
- Potential contamination originating at the lint trap and migrating along the sanitary sewer has not been evaluated ;

7.4 RECOMMENDATIONS

Based on the findings of the RI MACTEC recommends preparing a Focused Feasibility Study Report to evaluate alternatives for remediating soil and source areas onsite as well as contaminated groundwater in the vicinity of the Site. Prior to implementing a remedy a pre-design investigation should be conducted to address the data gaps related to the extent of contamination on the MNR property and to determine if DNAPL or soil contamination exists along the sanitary sewer line.

In addition, MACTEC recommends that the pre-design investigation should also address the following data gaps:

- Delineate the extent of contamination in the bedrock south of the Site
- Delineate the extent of contamination downgradient of the Site
- Evaluate the potential upgradient source(s) of 1,1,1-trichloroethane that is contributing to groundwater contamination at the Site.



REMEDIAL INVESTIGATION
INDUSTRIAL OVERALL SERVICES
NEW ROCHELLE, NEW YORK

MACTEC

2015 OVERBURDEN
GROUNDWATER CONTOURS
Project 3612112221 Figure 3.5

Document: P:\Projects
ysdec1\Contract D007619\Projects\Industrial Overall Service Corporation - RI_FS\4.0_Deliverables\4.5_Databases\GIS\Map Documents\RI\RI_2015_GW_11x17P.mxd PDF: P:\Projects
ysdec1\Contract D007619\Projects\Industrial Overall Service Corporation - RI_FS\4.0_Deliverables\4.1_Reports\RI Report\Figures\Figure 3.5 - Overburden GW.pdf 05/21/2015 7:56 AM brian.peters

REMEDIAL INVESTIGATION
INDUSTRIAL OVERALL SERVICES
NEW ROCHELLE, NEW YORK

MACTEC

2015 BEDROCK
GROUNDWATER CONTOURS
Project 3612112221 Figure 3.6

Document: P:\Projects
ysdec1\Contract D007619\Projects\Industrial Overall Service Corporation - RI_FS\4.0_Deliverables\4.5_Databases\GIS\Map Documents\RI\RI_2015_GW_11X17P.mxd PDF: P:\Projects
ysdec1\Contract D007619\Projects\Industrial Overall Service Corporation - RI_FS\4.0_Deliverables\4.1_Reports\RI Report\Figures\Figure 3.6 - Bedrock GW.pdf 05/19/2015 10:23 AM brian.peters

Northwest Debris Pile and Railroad Tracks
Parking Lot Metro North Railroad Property
Western Debris Pile
Parking Lot Site
Site Building
Sump Pit (SP-001)
Vault (SP-005)
Lint Trap (SP-003)
Metro North Railroad
Centre Avenue
Relyea Place
Bartels Place

Legend

Circle Color Indicates PCE Result:
- < 1.3 mg/kg
- 1.3 - 5.5 mg/kg (Protection of Groundwater SCO)
- 5.5 - 150 mg/kg (Residential SCO)
- >= 150 mg/kg (Commercial SCO)
- No sample collected from sampling interval

Circle Size Indicates Soil Collected from Depths:
- Less than 2 feet bgs
- Ranging from 2 to 4 feet bgs
- Ranging from 4 to 6 feet bgs
- Greater than 6 feet bgs

- Structure
- Property Line

Areas of Concern (AOCs):
- Site
- Residential Use Property
- Metro North Railroad Property
- MNR Debris Pile/Parking Lot Boundary
- Western Debris Pile

Notes:
Results shown in milligrams per kilogram (mg/kg)
Results from 2012-2015 Remedial Investigation
PCE = Tetrachloroethene
SS/GS = Soil boring sample location
SB = Soil sample collected in monitoring well boring (MW-24B)
bgs = below ground surface
SCO = Remedial Soil Cleanup Objectives - 6 NYCRR Subpart 375-6 (NYS, 2006).

N
0 15 Feet

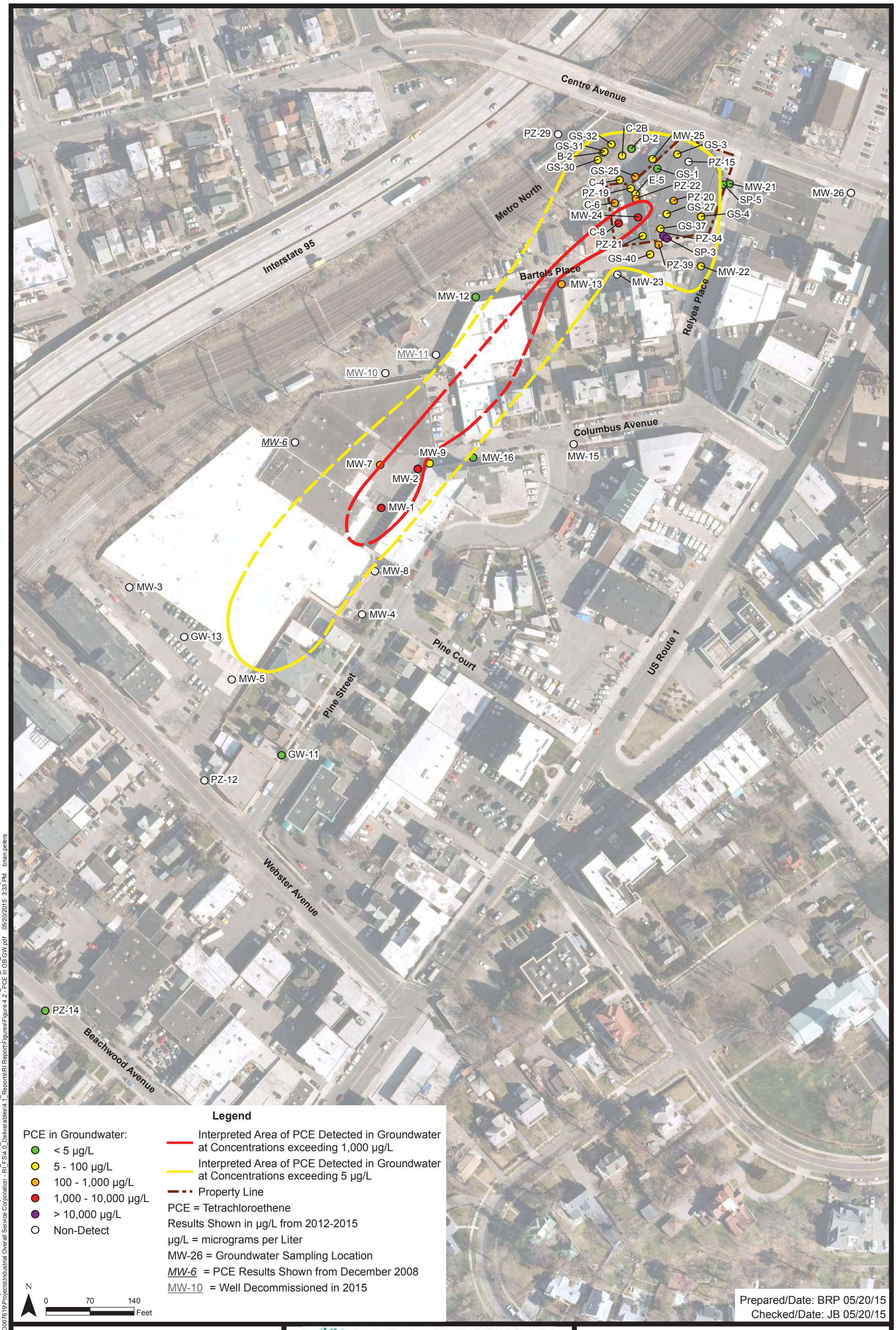
Prepared/Date: BRP 06/05/15
Checked/Date: JMF 06/05/15

REMEDIAL INVESTIGATION
INDUSTRIAL OVERALL SERVICES
NEW ROCHELLE, NEW YORK

MACTEC

PCE SOIL RESULTS
Project 3612122256 Figure 4.1

Document: P:\Projects\projdoc1\Contract 000709\199\Projects\Industrial Overall Service Corporation - IRI_FS\4.0_Deliverables\4.4_Database\GIS\Map Documents\RIIR_2015_22x34.5.mxd PDF: P:\Projects\projdoc1\Contract 000709\199\Projects\Industrial Overall Service Corporation - IRI_FS\4.0_Deliverables\4.4_Database\GIS\Map Documents\RIIR_2015_22x34.5.pdf 06/05/2015 11:01 AM brian.peters



Legend

PCE in Groundwater:

- < 5 µg/L
- 5 - 100 µg/L
- 100 - 1,000 µg/L
- 1,000 - 10,000 µg/L
- > 10,000 µg/L
- Non-Detect

- Interpreted Area of PCE Detected in Groundwater at Concentrations exceeding 1,000 µg/L
- Interpreted Area of PCE Detected in Groundwater at Concentrations exceeding 5 µg/L
- Property Line

PCE = Tetrachloroethene

Results Shown in µg/L from 2012-2015

µg/L = micrograms per Liter

MW-26 = Groundwater Sampling Location

MW-6 = PCE Results Shown from December 2008

MW-10 = Well Decommissioned in 2015

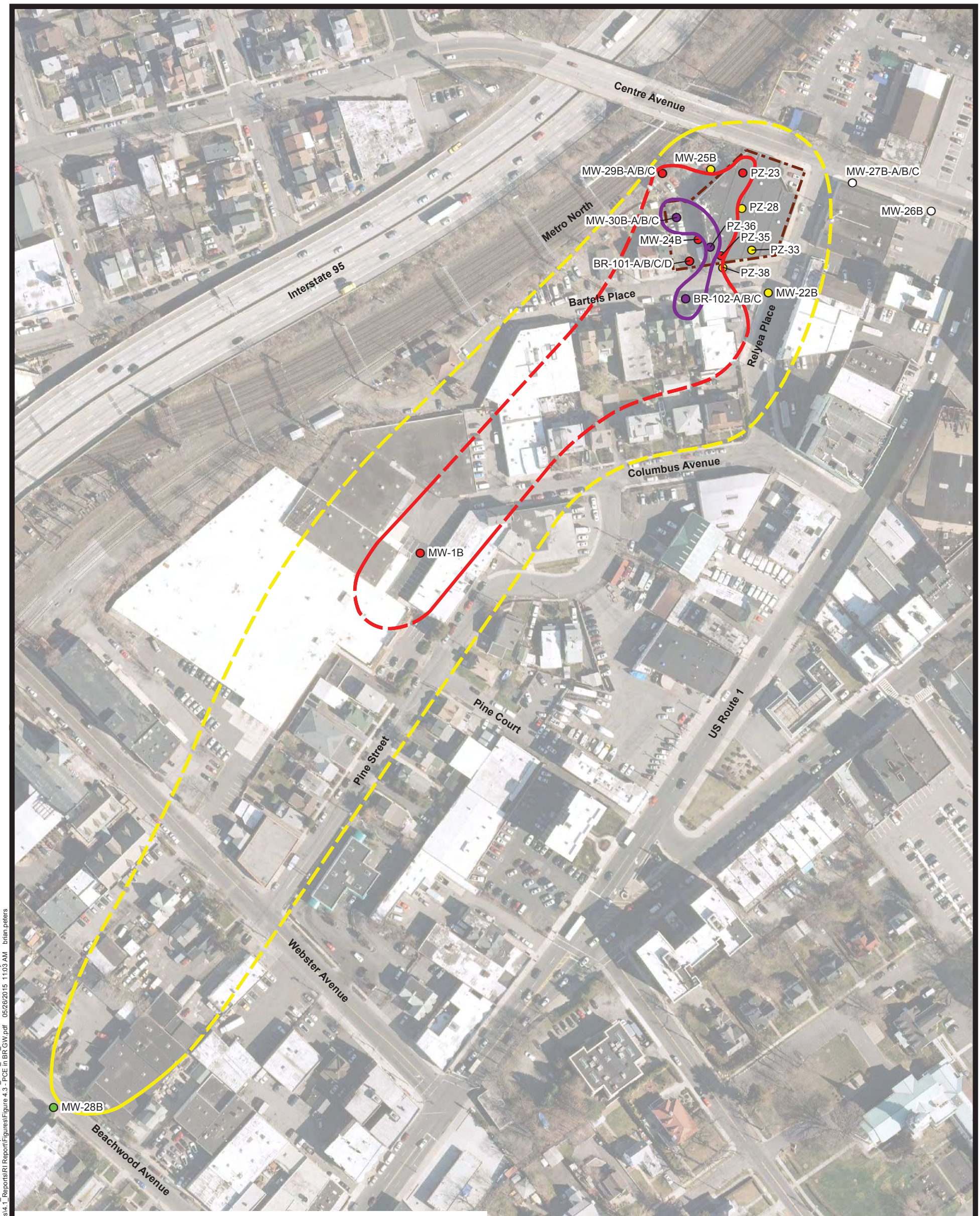
Prepared/Date: BRP 05/20/15
Checked/Date: JB 05/20/15

REMEDIAL INVESTIGATION
INDUSTRIAL OVERALL SERVICES
NEW ROCHELLE, NEW YORK

MACTEC

PCE CONCENTRATIONS IN
OVERBURDEN GROUNDWATER
Project 3612112221 Figure 4.2

Document: P:\Projects
ysdec1\Contract D007619\Projects\Industrial Overall Service Corporation - RI_FS\4.0_Deliverables\4.5_Databases\GIS\Map Documents\RI\RI_2015_GW_11x17P.mxd PDF: P:\Projects
ysdec1\Contract D007619\Projects\Industrial Overall Service Corporation - RI_FS\4.0_Deliverables\4.1_Reports\RI Report\Figures\Figure 4.2 -PCE in OB GW.pdf 05/20/2015 3:33 PM brian.peters

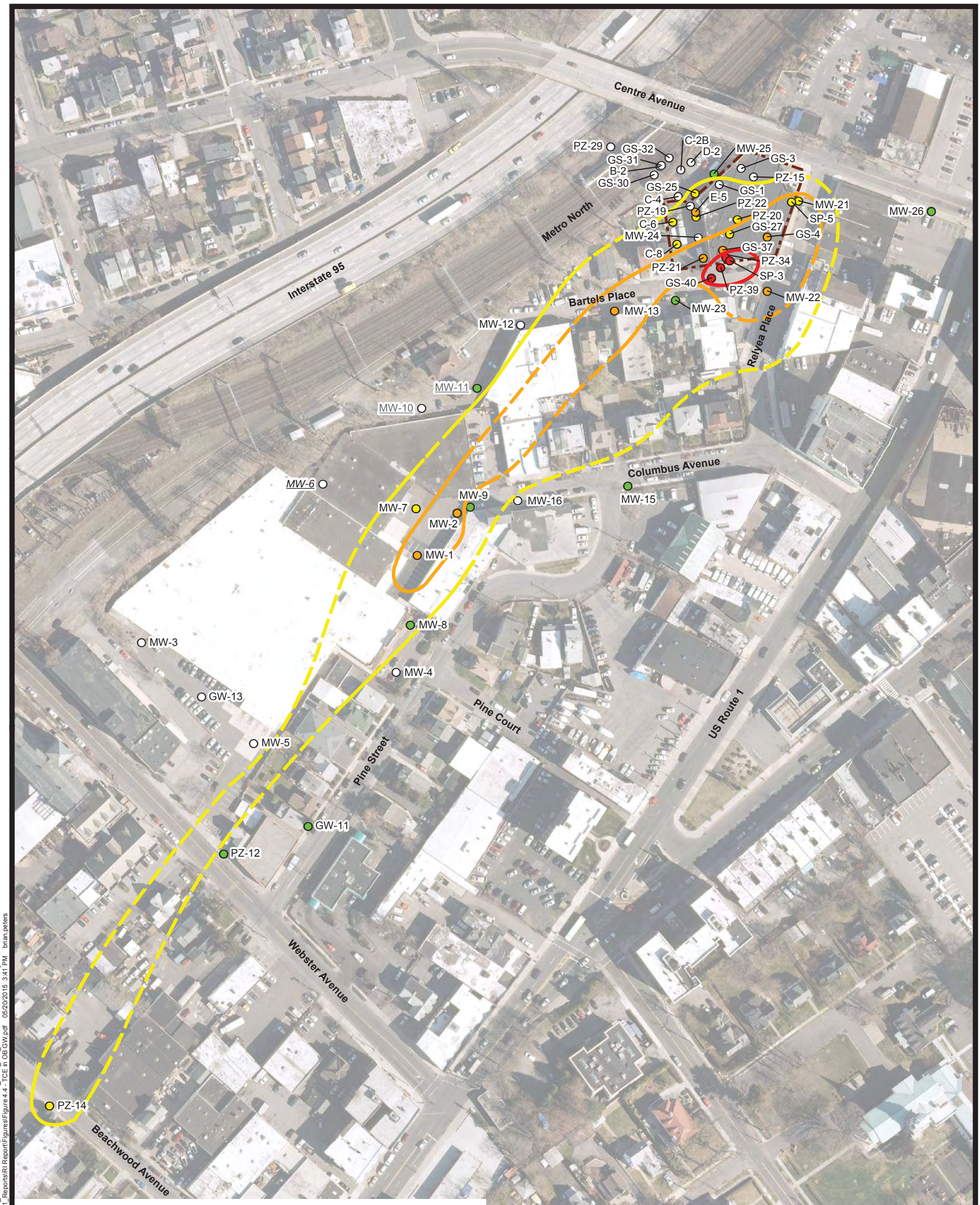


REMEDIAL INVESTIGATION
INDUSTRIAL OVERALL SERVICES
NEW ROCHELLE, NEW YORK

MACTEC

PCE CONCENTRATIONS IN
BEDROCK GROUNDWATER
Project 3612112221 Figure 4.3

Document: P:\Projects
ysdec1\Contract D007619\Projects\Industrial Overall Service Corporation - RI_FS\4.0_Deliverables\4.5_Databases\GIS\Map Documents\RI\RI_2015_GW_11x17P.mxd PDF: P:\Projects
ysdec1\Contract D007619\Projects\Industrial Overall Service Corporation - RI_FS\4.0_Deliverables\4.1_Reports\RI Report\Figures\Figure 4.3.-PCE in BR GW.pdf 05/26/2015 11:03 AM brian.peters



Legend

TCE in Groundwater:
- < 5 µg/L
- 5 - 100 µg/L
- 100 - 1,000 µg/L
- > 1,000 µg/L
- Non-Detect

- Interpreted Area of TCE Detected in Groundwater at Concentrations exceeding 1,000 µg/L
- Interpreted Area of TCE Detected in Groundwater at Concentrations exceeding 100 µg/L
- Interpreted Area of TCE Detected in Groundwater at Concentrations exceeding 5 µg/L
- Property Line

TCE = Trichloroethene

Results Shown in µg/L from 2012-2015

µg/L = micrograms per Liter

MW-26 = Groundwater Sampling Location

MW-6 = TCE Results Shown from December 2008

MW-10 = Well Decommissioned in 2015

N

0 70 140 Feet

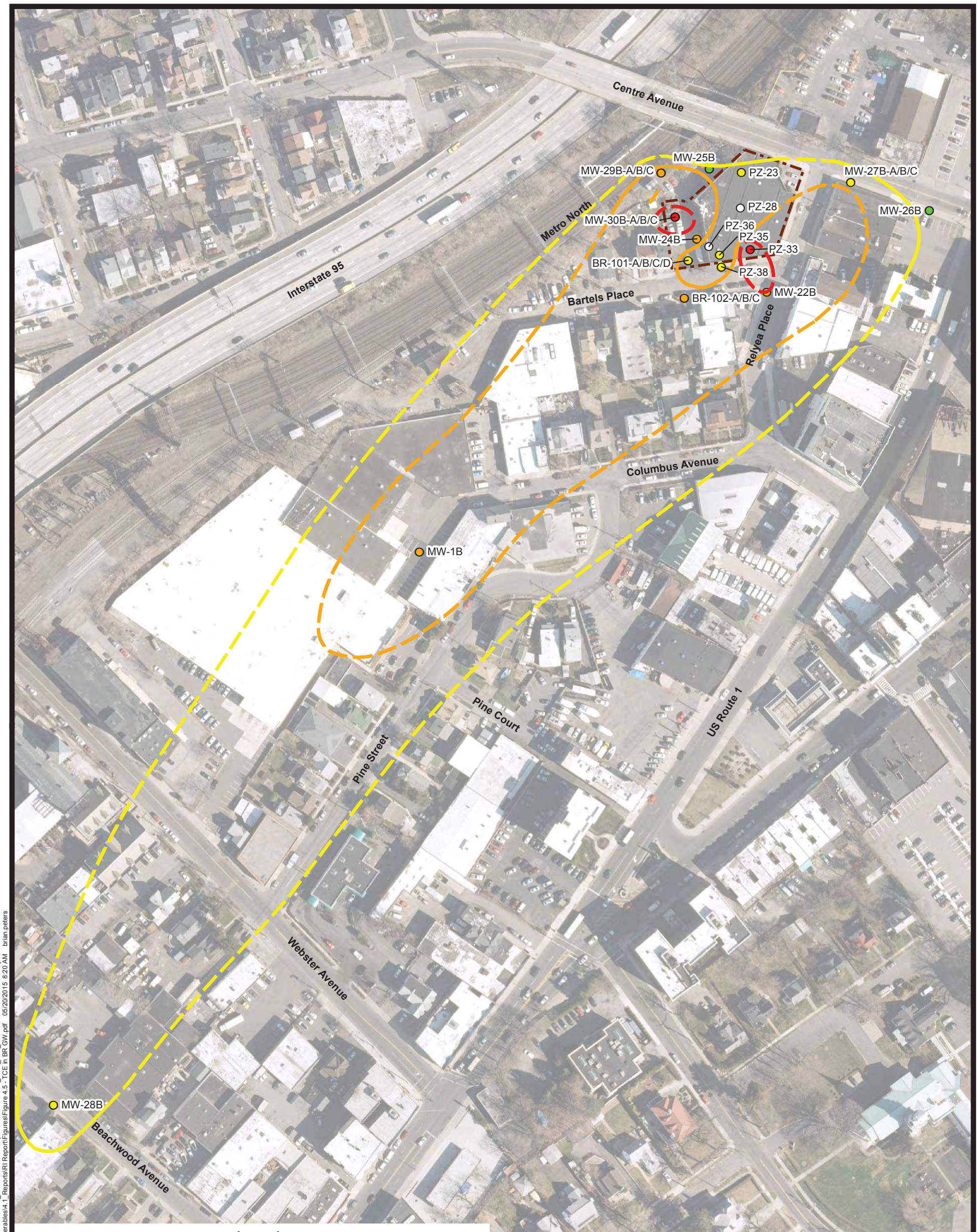
Prepared/Date: BRP 05/20/15
Checked/Date: JB 05/20/15

REMEDIAL INVESTIGATION
INDUSTRIAL OVERALL SERVICES
NEW ROCHELLE, NEW YORK

MACTEC

TCE CONCENTRATIONS IN
OVERBURDEN GROUNDWATER
Project 3612112221 Figure 4.4

Document: P:\Projects
ysdec1\Contract D007619\Projects\Industrial Overall Service Corporation - RI_FS\4.0_Deliverables\4.5_Databases\GIS\Map Documents\RI\RI_2015_GW_11x17P.mxd PDF: P:\Projects
ysdec1\Contract D007619\Projects\Industrial Overall Service Corporation - RI_FS\4.0_Deliverables\4.1_Reports\RI Report\Figures\Figure 4.4 -TCE in OB GW.pdf 05/20/2015 3:41 PM brian.peters

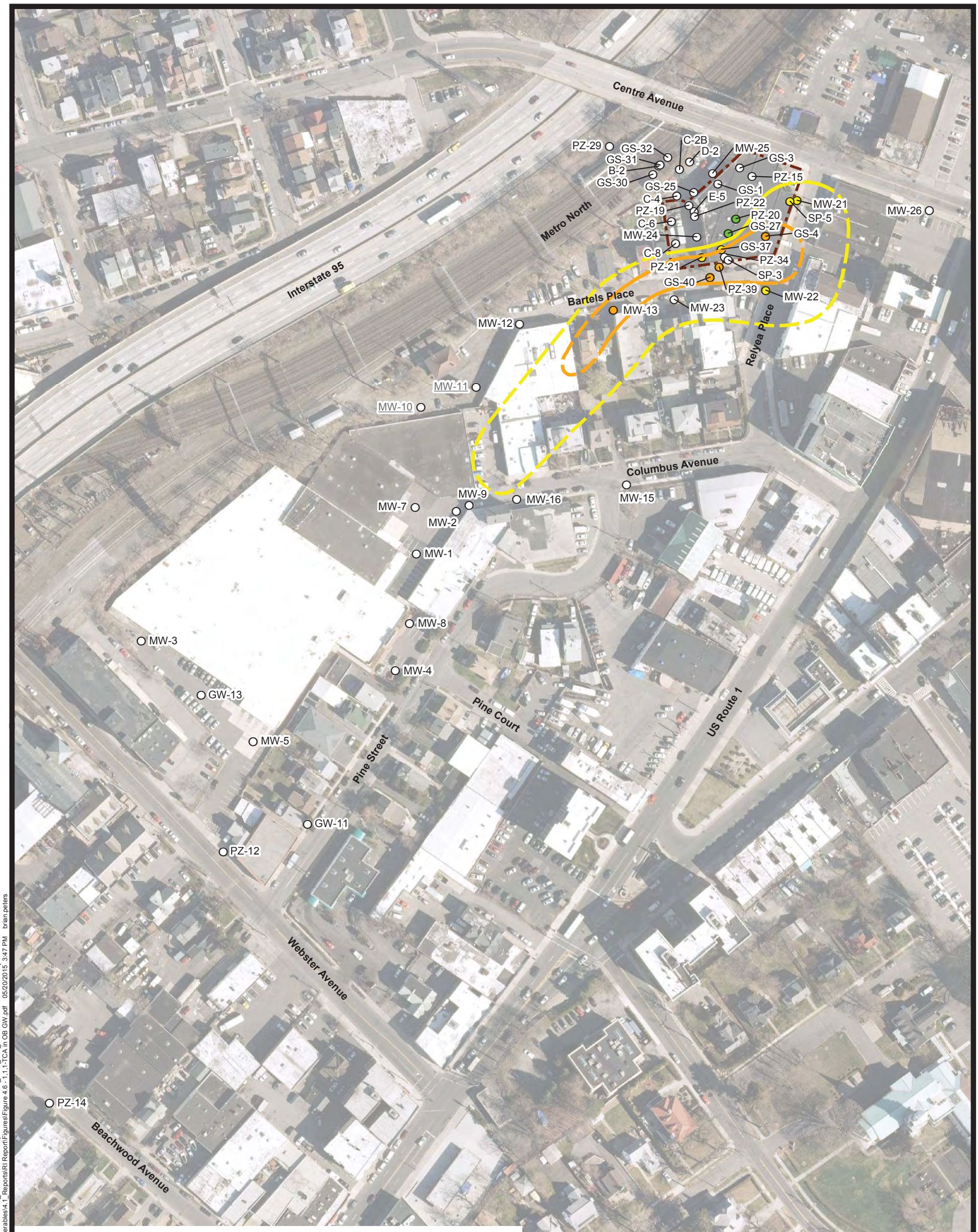


REMEDIAL INVESTIGATION
INDUSTRIAL OVERALL SERVICES
NEW ROCHELLE, NEW YORK

MACTEC

TCE CONCENTRATIONS IN
BEDROCK GROUNDWATER
Project 3612112221 Figure 4.5

Document: P:\Projects
ysdec1\Contract D007619\Projects\Industrial Overall Service Corporation - RI_FS\4.0_Deliverables\4.5_Databases\GIS\Map Documents\RI\RI_2015_GW_11X17P.mxd PDF: P:\Projects
ysdec1\Contract D007619\Projects\Industrial Overall Service Corporation - RI_FS\4.0_Deliverables\4.1_Reports\RI Report\Figures\Figure 4.5 - TCE in BR GW.pdf 05/20/2015 8:20 AM brian.peters



Legend

1,1,1-TCA in Groundwater:
- < 5 µg/L
- 5 - 100 µg/L
- 100 - 1,000 µg/L
- Non-Detect

- Interpreted Area of 1,1,1-TCA Detected in Groundwater at Concentrations exceeding 100 µg/L
- Interpreted Area of 1,1,1-TCA Detected in Groundwater at Concentrations exceeding 5 µg/L
- Property Line

1,1,1-TCA = 1,1,1-Trichloroethane

Results Shown in µg/L from 2012-2015

µg/L = micrograms per Liter

MW-26 = Groundwater Sampling Location

MW-10 = Well Decommissioned in 2015

N

0 70 140 Feet

Prepared/Date: BRP 05/20/15
Checked/Date: JB 05/20/15

REMEDIAL INVESTIGATION
INDUSTRIAL OVERALL SERVICES
NEW ROCHELLE, NEW YORK

MACTEC

1,1,1-TCA CONCENTRATIONS IN OVERBURDEN GROUNDWATER
Project 3612112221 Figure 4.6

Document: P:\Projects
ysdec1\Contract D007619\Projects\Industrial Overall Service Corporation - RI_FS\4.0_Deliverables\4.5_Databases\GIS\Map Documents\RI\RI_2015_GW_11x17P.mxd PDF: P:\Projects
ysdec1\Contract D007619\Projects\Industrial Overall Service Corporation - RI_FS\4.0_Deliverables\4.1_Reports\RI Report\Figures\Figure 4.6 - 1,1,1-TCA in OB GW.pdf 05/20/2015 3:47 PM brian.peters

REMEDIAL INVESTIGATION
INDUSTRIAL OVERALL SERVICES
NEW ROCHELLE, NEW YORK

MACTEC

1,1,1-TCA CONCENTRATIONS IN
BEDROCK GROUNDWATER
Project 3612112221 Figure 4.7

Document: P:\Projects
ysdec1\Contract D007619\Projects\Industrial Overall Service Corporation - RI_FS\4.0_Deliverables\4.5_Databases\GIS\Map Documents\RI\RI_2015_GW_11x17P.mxd PDF: P:\Projects
ysdec1\Contract D007619\Projects\Industrial Overall Service Corporation - RI_FS\4.0_Deliverables\4.1_Reports\RI Report\Figures\Figure 4.7 - 1,1,1-TCA in BR GW.pdf 06/03/2015 8:04 AM brian.peters

LEGEND

- GROUNDWATER ELEVATION MEASURED FROM 2015 (IF AVAILABLE)
- INTERPRETED GROUNDWATER SURFACE
- MW–26B — SAMPLE LOCATION
- 21+00 — STATION NUMBER
- BOE — BOTTOM OF EXPLORATION
- ESTIMATED GROUND SURFACE
- INTERPRETED WEATHERED BEDROCK FOLIATION
- SITE BUILDING
- DISSOLVED PHASE #2 FUEL OIL DETECTED IN GROUNDWATER
- INTERPRETED HYDRAULIC VERTICAL GRADIENT
- FT. MSL — FEET ABOVE MEAN SEA LEVEL
- MONITORING WELL SCREEN
- GROUNDWATER GRAB SAMPLE LOCATIONS
- LINT TRAP
- INTERPRETED AREA OF PCE EXCEEDING 5 µg/L
- INTERPRETED AREA OF PCE EXCEEDING 1,000 µg/L
- INTERPRETED AREA OF PCE EXCEEDING 10,000 µg/L
- * — INTERPRETED TO HAVE PERCHED–LIKE CONDITIONS AT THE WATER TABLE
- ND — NON–DETECT ABOVE THE REPORTING LIMIT
- A' PCE 8 — RESULTS SHOWN IN MICROGRAM PER LITER µg/L

BR-102
CONTINUED THIS SHEET

ELEVATION (FT. MSL)

MW-5	
Date	1/9/2013
Parameter	Result Qual.
cVOCc	ND

MW-2		
Date	5/20/2014	
Parameter	Result	Qual.
1,1-DCE	54	
Cis-1,2-DCE	31	
PCE	1700	
TCE	190	

MW-1B		
Date	5/20/2014	
Parameter	Result	Qual.
1,1-DCE	37	
Cis-1,2-DCE	38	
PCE	1500	
TCE	280	

MW-1		
Date	5/20/2014	
Parameter	Result	Qual.
1,1-DCE	34	
PCE	2800	
TCE	160	

PZ-14		
Date	5/20/2014	
Parameter	Result	Qual.
Cis-1,2-DCE	8	
PCE	4	
TCE	20	

PZ-12		
Date	5/21/2014	
Parameter	Result	Qual.
Cis-1,2-DCE	9	
TCE	3	

MW-28B		
Date	5/20/2014	
Parameter	Result	Qual.
Cis-1,2-DCE	14	
PCE	2	
TCE	49	

MW-26 CLIFF		
Date	10/18/2012	
Parameter	Result	Qual.
PCE	ND	
TCE	ND	

MW-27B						
Depth	30		40		56	
Date	5/22/2014		5/22/2014		5/22/2014	
Parameter	Result	Qual.	Result	Qual.	Result	Qual.
1,1-DCE	1	UJ	1	U	6	
1,1-DCA	1	U	1	U	2	
TCE	1	U	1	U	56	

MW-21		
Date	5/21/2014	
Parameter	Result	Qual.
1,1,1-TCA	6	
PCE	2	
TCE	15	

BR-102						
Depth	35		60		88	
Date	3/19/2015		3/19/2015		3/19/2015	
Parameter	Result	Qual.	Result	Qual.	Result	Qual.
1,1-DCE	440		270	J	500	U
PCE	9000		12000		18000	
TCE	400	U	180	J	500	U

MW-23		
Date	5/22/2014	
Parameter	Result	Qual.
TCE	2	

MW-13		
Date	5/20/2014	
Parameter	Result	Qual.
1,1,1-TCA	680	
1,1-DCA	35	
1,1-DCE	530	
Cis-1,2-DCE	24	
PCE	690	
TCE	640	

PZ-36		
Date	3/17/2015	
Parameter	Result	Qual.
PCE	130,000	

MW-26		
Date	5/22/2014	
Parameter	Result	Qual.
TCE	4	

MW-26B		
Date	5/22/2014	
Parameter	Result	Qual.
TCE	2	
1,1-DCE	1	

PZ-33		
Date	3/17/2015	
Parameter	Result	Qual.
1,1,1-TCA	730	
1,1-DCA	700	
PCE	82	
TCE	1300	

PZ-34		
Date	3/18/2015	
Parameter	Result	Qual.
Cis-1,2-DCE	5300	
PCE	14000	
TCE	5300	
VC	250	

SP-3		
Date	5/28/2014	
Parameter	Result	Qual.
Cis-1,2-DCE	52000	
PCE	170000	
TCE	40000	
VC	1800	

PZ-35		
Date	3/18/2015	
Parameter	Result	Qual.
1,1-DCE	28	J
PCE	2800	
TCE	29	J

INDUSTRIAL OVERALL SITE BUILDING
BARTELS PLACE
ESTIMATED GROUND SURFACE
INTERPRETED GROUNDWATER SURFACE
ESTIMATED TOP OF BEDROCK SURFACE
HIGHLY WEATHERED BEDROCK
WEATHERED BEDROCK
GROUNDWATER FLOW
MW–5, MW–1, MW–1B, MW–2, MW–28B, PZ–14, PZ–12, MW–13, MW–23, BR–102, MW–27B, MW–21, MW–26, MW–26B, MW–26CLIFF, PZ–36, PZ–35, PZ–34, SP–3, PZ–33
BOE

ELEVATION (FT. MSL): 55, 50, 45, 40, 35, 30, 25, 20, 15, 10, 5
STATION: 28+00, 29+00, 30+00, 31+00, 32+00, 33+00, 34+00, 35+00, 36+00, 37+00, 38+00, 39+00, 40+00, 41+00, 42+00, 43+00, 44+00, 45+00, 46+00, 47+00, 48+00, 49+00, 50+00, 51+00, 52+00, 53+00, 54+00

CONTINUED THIS SHEET

0 50 100 200 HORIZ
0 2.5 5 10 VERT

NO.	DATE	DSGN	BY	APVD	REVISION
-		DR	BAS	APVD	BAS
				CHK	JLR
					JWP

THIS DRAWING IS THE PROPERTY OF MACTEC, INCLUDING ALL PATENTABLE FEATURES, AND/OR CONFIDENTIAL INFORMATION AND ITS USE IS CONDITIONED UPON THE USERS AGREEMENT NOT TO REPRODUCE THE DRAWING, IN WHOLE OR PART, NOR THE USE OF THE DRAWING FOR ANY PURPOSE OTHER THAN SPECIFICALLY PERMITTED IN WRITING BY MACTEC.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

REMEDIAL INVESTIGATION
10 BARTELS PLACE
NEW ROCHELLE, NEW YORK
NYSDEC SITE NUMBER 360109
CONTRACT NO. D007619

MACTEC Engineering and Consulting, P.C.
P.O. Box 5050, 511 Congress Street
Portland, Maine 04112-7050
(207) 775-5401

MACTEC

INDUSTRIAL OVERALL SERVICES
GEOLOGIC CROSS SECTION (A'-A) WITH PCE CONCENTRATIONS IN GROUNDWATER
FIGURE 4.8

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	05-28-15
	3612112221.03
DWG	FIG. 4.8
SHEET	1 OF 1

FILE NAME: C:\Industrial Overall\Figure 4.8.dwg PLOT DATE: Mon, 08 Jun 2015 PLOT TIME: 4:39 PM

Table 2.2: Summary of Survey and Elevation Data

Location ID	Northing	Easting	Ground Elevation	Casing Elevation	Riser Elevation	Depth to Bedrock (ft bgs)	Bedrock Surface Elevation (ft msl)	Screening Interval (ft bgs)	Well Type	Boring Depth (ft bgs)
MW-1	756093.4	688953.9	55.17	55.17	54.92	>14	<41.2	5-14	OB	14
MW-1B	756096.4	688958.3	55.04	55.04	54.76	22	33	32.5-42.5	BR	45
MW-2	756155.4	689012.1	57.74	57.74	57.36	>17	<40.7	8-17	OB	17
MW-3	755966.4	688553.5	59.36	59.36	59.43	7.5	52.0	4-12	OB/BR	12
MW-4	755923.6	688923.4	54.67	54.67	54.21	>19	<36.7	9-19	OB	19
MW-5	755820.1	688716.4	53.62	53.62	53.24	>18	<35.5	8-18	OB	18
MW-7	756161.6	688952.1	55.20	55.20	54.99	>14	<41.2	5-14	OB	14
MW-8	755992.4	688944.1	55.69	55.69	55.27	>14	<41.7	4-14	OB	14
MW-9	756164.1	689030.9	58.54	58.54	58.15	>16	<42.5	6-14	OB	16
MW-10	756307.5	688960.6	65.70	65.70	65.45	10.4	55.3	5-10	OB	12.2
MW-11	756336.5	689040.8	65.02	65.02	64.72	>20	<47.6	8-18	OB	20
MW-12	756428.6	689104.1	62.59	62.59	62.37	>15	<44	3.5-13.5	OB	15
MW-13	756448.8	689240.6	66.31	66.31	65.89	>15	<51.3	5-15	OB	15
MW-15	756194.0	689260.0	69.31	69.31	69.11	19.8	49.5	6.8-16.3	OB	24
MW-16	756172.9	689099.9	60.13	60.13	59.78	>16.3	<43.8	5.1-14.6	OB	16.3
MW-21	756608.5	689508.1	88.50	88.50	88.04	20	68.5	12.4-22.4	OB	24
MW-22	756477.6	689462.5	83.64	83.64	83.46	14.5	69.1	13.4-22.8	OB/BR	22.8
MW-22B	756474.7	689464.2	84.02	84.02	83.54	17	67	30-40	BR	45
MW-23	756464.3	689329.3	72.69	72.69	72.45	>20	<52.7	8.9-18.9	OB	20
MW-24	756555.1	689362.3	76.25	76.25	76.12	>25	<51.3	14.7-24.2	OB	25
MW-24B	756551.9	689362.1	76.14	76.14	75.83	24	52.1	33-43	BR	44
MW-25	756652.2	689387.5	79.21	79.21	78.81	14	65.2	8.7-18.2	OB/BR	19
MW-25B	756654.2	689380.3	79.30	79.30	79.10	17	62.3	26.8-36.8	BR	37
MW-26	756593.6	689701.0	95.98	95.98	95.61	15	81.0	5.3-10.3	OB	10.3
MW-26B	756593.6	689701.0	95.98	95.98	95.57	15	81.0	18-28	BR	30
MW-27B[1]	756634.2	689586.4	91.46	91.46	91.14	20	71.5	20-63	BR/OH	63
MW-27BA (1,2)	756634.2	689586.4	91.46	91.46	91.22	20	71.5	29.9-30.4	BR	63
MW-27BB (3,4)	756634.2	689586.4	91.46	91.46	91.22	20	71.5	39.5-40	BR	63
MW-27BC (5,6,7)	756634.2	689586.4	91.46	91.46	91.22	20	71.5	55-56	BR	63
MW-28B	755295.0	688427.7	39.32	39.32	39.04	16.0	23.3	22.4-27.4	BR	28.5
MW-29BA (1,2)	756648.0	689310.3	78.52	78.52	78.03	32.0	46.5	23.6-24.1	OB	75.0
MW-29BB (3,4)	756648.0	689310.3	78.52	78.52	78.03	32.0	46.5	44.3-44.8	BR	75.0
MW-29BC (5,6,7)	756648.0	689310.3	78.52	78.52	78.03	32.0	46.5	60.4-62.5	BR	75.0
MW-30BA (1,2)	756584.0	689330.8	75.24	75.24	74.66	24.0	51.2	16.2-16.7	OB	70.0
MW-30BB (3,4)	756584.0	689330.8	75.24	75.24	74.66	24.0	51.2	29.5-30.0	BR	70.0
MW-30BC (5,6,7)	756584.0	689330.8	75.24	75.24	74.66	24.0	51.2	56.6-58.3	BR	70.0
BR-101A (1,2)	756520.9	689349.5	75.29	75.29	75.03	22.0	53.3	39.8-40.2	BR	100.0
BR-101B (3,4)	756520.9	689349.5	75.29	75.29	75.03	22.0	53.3	54-54.4	BR	100.0
BR-101C (5,6)	756520.9	689349.5	75.29	75.29	75.03	22.0	53.3	67.7-68.1	BR	100.0
BR-101D (7)	756520.9	689349.5	75.29	75.29	75.03	22.0	53.3	80-80.2	BR	100.0
BR-102A (1,2)	756466.2	689344.0	74.03	74.03	73.84	22.0	52.0	35-35.5	BR	100.0
BR-102B (3,4)	756466.2	689344.0	74.03	74.03	73.84	22.0	52.0	60-60.5	BR	100.0
BR-102C (5,6,7)	756466.2	689344.0	74.03	74.03	73.84	22.0	52.0	88-89	BR	100.0
MW-26CLIFF	754815.2	688205.2	23.83	23.83	23.51	UNK	UNK	UNK	UNK	19.7
MW-COSTCO1	752366.3	687352.2	13.57	13.57	13.17	UNK	UNK	UNK	UNK	20.7
MW-COSTCO2	752358.7	687346.5	13.52	13.52	13.28	UNK	UNK	UNK	UNK	23.0

Table 4.1: Background Groundwater VOCs Results

Area		*Centre Avenue*							
Location		**MW-026**	**MW-026**	**MW-026**	**MW-26B**	**MW-26B**	**MW-26B**	**MW-27BA**	**MW-27BA**
Sample Date		7/25/2012	1/9/2013	5/22/2014	7/25/2012	1/9/2013	5/22/2014	1/14/2014	5/22/2014
Sample ID		360109-MW026007	360109-MW026007	360109-MW026007	360109-MW26B025	360109-MW26B025	360109-MW26B025	360109-MW27B030	360109-MW27B030
Screen Interval (ft bgs)		5 - 10	5 - 10	5 - 10	18 - 28	18 - 28	18 - 28	29.9 - 30.4	29.9 - 30.4
Aquifer		Overburden	Overburden	Overburden	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock
Sample Method		Low flow	Low flow	Low flow	Low flow	Low flow	Low flow	Low flow	Low flow
Qc Code		FS	FS	FS	FS	FS	FS	FS	FS
Parameter	**GA GW**								
Site Related Contaminates of Concern									
Tetrachloroethene	5	1 U	1 U	1 U	**2.1**	1 U	1 U	**1.1**	1 U
Trichloroethene	5	1 U	1 U	**4**	1 U	**4.4**	**2**	1 U	1 U
Other VOCs									
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	**3**	1 U	1 U	**1**	1 U	1 UJ
Chloroform	7	1 U	1 U	1 U	1 U	**0.91** J	1 U	**2**	**2**

Notes: See Table 4A

Results are reported in micrograms per liter (ug/L)

SUPPLEMENTAL REMEDIAL INVESTIGATION REPORT
INDUSTRIAL OVERALL SERVICES
SITE # 360109

WORK ASSIGNMENT NO. D007619-07

Prepared for:

New York State Department of Environmental Conservation
Albany, New York

Prepared by:
MACTEC Engineering and Consulting, P.C.
Portland, Maine

MACTEC: 3612112221

NOVEMBER 2016

EXECUTIVE SUMMARY

The Industrial Overall Service Corporation (Industrial Overall) Site (New York State Department of Environmental Conservation Site No. 360109) (Site) is located at 10 Bartels Place in New Rochelle, Westchester County, New York. It is 0.42 acres in size and resides on a slightly sloping irregular shaped parcel. The main Site feature includes a six-sided building which occupies the majority of the property and a small parking area located to the south and southwest of the building. The surrounding area is urban with a mix of commercial and residential structures.

The Site began operations in 1950 as a uniform and industrial clothing cleaning facility for heavily soiled clothing from auto body and gasoline dispensing businesses. In 1980, Workingman's Closet, a direct factory sales division of Industrial Overall which sells new and reclaimed work clothes, was opened. The Site owner indicated that the Site operated as a dry cleaning laundering facility in the past. The exact period of operation is unknown but has been reported as between the 1960's and the 1980's. Current operations at the Site include laundering linens and uniforms for restaurant and other businesses and retail uniform sales.

MACTEC Engineering and Consulting, P.C. conducted a Supplemental Remedial Investigation (RI) to evaluate the following areas where data gaps were identified in the RI Report:

- MetroNorth Railroad (MNR) – the area of contamination adjacent to the tracks southwest of the Site had not been delineated in soil or groundwater;
- Sewer Line –both inside the pipe and in bedding material surrounding the pipe was identified as a potential soil vapor migration pathway; and
- 1,1,1- Trichloroethane (TCA) groundwater contamination – the source of 1,1,1-TCA detected in groundwater which appears to be originating upgradient of the lint trap had not been identified.

Subsequent to submittal of the Draft RI an additional data gap was identified:

- Site building – at a potential location of the former dry cleaning machine which was identified by the Site Owner;

Results of this investigation indicates:

- The former dry-cleaning machine location, newly identified by the Site owner, is not an additional source of contamination to soil and shallow groundwater in this area of the Site;

- The source of 1,1,1-TCA in groundwater appears to be the result of an upgradient source;
- The observed contaminants on the MNR property generally correspond with the surface disposal areas (western debris pile, northwestern debris pile and along the MNR tracks),and the extent of the soil contamination has be vertically and laterally delineated;
- No soil contamination was observed in the sanitary sewer bedding materials in the vicinity of the lint trap source area;
- The sanitary sewer line is not acting as a preferential pathway for contaminants originating at the lint trap to migrate and enter into nearby structures as soil vapor; and
- Vapors were detected in storm drains downgradient of the Site which may be a result of volatilization from groundwater entering the storm system.

The Qualitative Exposure Assessment indicated ecological receptors are not present; however; a potential completed exposure pathways exist for:

- Direct exposure to workers conducting sub-surface activities in the vicinity of the identified contaminated soil, groundwater or soil vapor.

Based on the results of the Supplemental RI the following data gap was identified:

- The source of and migration pathway for contaminated vapors entering a residential structure through the sanitary sewer line should be further investigated.

Groundwater sampling locations are shown on Figure 2.1A. Groundwater results are presented in the following tables and figures:

Table No.	Title
4.7	Site and Railroad Property Groundwater VOC Results

Figure No.	Title
4.2	RI & SRI PCE Concentrations in Overburden Groundwater
4.3	RI & SRI PCE Concentrations in Bedrock Groundwater
4.4	RI & SRI 1,1,1-TCA Concentrations in Overburden Groundwater
4.5	RI & SRI 1,1,1-TCA Concentrations in Bedrock Groundwater

4.2.1 Site Groundwater Sample Results

Seven groundwater samples were collected from seven locations on Site for VOC analysis. One additional background sample was collected upgradient of the Site for VOC analysis for comparison to the onsite results. A review of the Site groundwater results indicate the following findings:

- PCE was detected in seven samples at concentrations exceeding the GA Standard (5 µg/l);
    - The highest concentration of PCE detected in Site groundwater was interpreted to be located adjacent to the potential source area beneath the lint trap at a concentration of 17,000 µg/l (PZ-34);
- TCE concentrations were detected in six samples exceeding the GA Standard (5 µg/l);
    - The highest concentration of TCE detected in Site groundwater was interpreted to be located adjacent to the potential source area beneath the lint trap at a concentration of 13,000 µg/l (PZ-34);
- 1,1,1-TCA concentrations were detected in four samples exceeding the GA standard (5 µg/l);
    - The highest concentration of 1,1,1-TCA was detected in the upgradient background sample (MW-505) at a concentration of 910 µg/l and generally decreased hydraulically downgradient across the Site.

In general contaminant concentrations observed on Site during the SRI did not deviate significantly from the relative locations and concentrations observed during the RI. The impacts of contaminants in bedrock in the vicinity of the former dry cleaning unit could not be assessed due to field limitations on the bedrock well installation. The 1,1,1-TCA concentration observed in the upgradient sample at MW-505 further indicates that an upgradient source is contributing to the concentrations observed on Site.

5.0 CONTAMINANT FATE AND TRANSPORT

This section presents an assessment of contaminant movement and disposition within the environment.

5.1 CONCEPTUAL SITE MODEL UPDATE

A CSM for the Site was first presented in the FAP (MACTEC, 2012) and updated with the RI. No significant revisions were required to the CSM presented in the RI based on the SRI data.

Based on detected concentrations, PCE may be present at the Site as a DNAPL (detected in the vicinity of the lint trap in soil at 21,000 mg/kg and in groundwater at 170,000 µg/l). PCE and its breakdown products have migrated from waste disposal areas (lint trap and debris piles) into soil and overburden groundwater, and then into the bedrock groundwater. Site related contaminants have been detected at concentrations above applicable SCGs in overburden and bedrock groundwater at and downgradient of the Site. Further discussion can be found in Section 5 of the RI Report. The following sections provide relevant updated information for the CSM.

5.1.1 Contaminants of Concern

The primary Site-related COCs are PCE and its breakdown products (TCE, cis-1,2- DCE, VC). PCE has historically been used at the Site for dry cleaning operations, its use was purportedly discontinued in the 1980's. 1,1,1-TCA and its breakdown product 1,1-dichloroethane have also been detected on Site; however based on data collected in the SRI the source of 1,1,1-TCA appears to be the result of an upgradient source.

During the RI, 1,1,1-TCA was primarily detected in groundwater upgradient from identified Site-related COC source areas along the southern and eastern edge of the Site. 1,1,1-TCA was not detected in samples collected during the RI from upgradient wells (MW-26 and MW-26B) on Centre Avenue. SRI sample results indicated that 1,1,1-TCA concentrations were highest (910 µg/l) at monitoring well MW-505 located in the sidewalk on Relyea Place and generally decreased hydraulically downgradient across the Site (570 µg/l to not-detected). This location is immediately upgradient of the Site and downgradient of current and former industrial facilities located on Relyea Place. The decreasing concentration of

1,1,1-TCA from off-site hydraulically upgradient to across the Site and the lack of an identified 1,1,1-TCA source area in the RI report suggest an upgradient source for 1,1,1-TCA detections on the Site.

5.1.2 Source Areas and Points of Entry

Site Building

Low level site related contaminants were detected in the vicinity of the former dry-cleaning machine, recently identified by the Site Owner. However, soil and groundwater results do not suggest that there is an additional source of contamination in this area.

MNR Property

PCE contamination is present in surface soil along the MNR tracks exceeding the Protection of Groundwater SCO in 5 of 9 locations, and was detected as high as 14 mg/kg. Migration of contaminants through precipitation (both infiltration and erosion of soil with overland flow) likely mobilized the surficial contamination in the debris piles. PCE is present in subsurface soils above the water table (approximately seven ft bgs) at a concentrations as high as 2.6 mg/kg (SS-301). Based upon the SRI results the vertical and lateral extent of contaminated soils on the MNR property has been delineated.

In general the contaminant concentrations observed in groundwater on the MNR are consistent with the RI results. PCE was detected above GA standard in both groundwater samples at a concentration as high as 500 µg/l. The observed contaminants on the MNR property generally correspond with the surface disposal areas (western debris pile, northwestern debris pile and along the MNR tracks (Figure 4.1)).

Sanitary Sewer Bedding Material

PCE contamination was not observed exceeding the Protection of Groundwater SCO in the two soil samples collected adjacent to the sanitary sewer bedding materials in the vicinity of the lint trap. These samples were collected at a depth of 2 to 3 ft bgs which are consistent with the depth of the bottom of the pipe at 2 ft bgs in this area. Deeper samples in the same borings did detect PCE above SCOs, however these results are likely related to the downward migration of contaminants from the lint trap rather than from the sanitary sewer bedding materials.

7.0 SUMMARY AND CONCLUSIONS

7.1 SUMMARY

The Site is located at 10 Bartels Place in New Rochelle, Westchester County, New York (Figure 1.1). It is 0.42 acres in size and resides on a slightly sloping irregular shaped parcel. The main Site feature includes a six-sided building which occupies the majority of the property and a small parking area located to the south and southwest of the building. The surrounding area is urban with a mix of commercial and residential structures.

The Site began operations in 1950 as a uniform and industrial clothing cleaning facility for heavily soiled clothing from auto body and gasoline dispensing businesses. In 1980, Workingman's Closet, a direct factory sales division of Industrial Overall which sells new and reclaimed work clothes, was opened. The Site reportedly operated as a dry cleaning laundering facility for a short time during the 1980's. Current operations at the Site include, laundering linens and uniforms for restaurant and other businesses and retail uniform sales.

The SRI field investigation was completed at the Site in October 2015, and consisted of:

- Soil sampling (surface and subsurface), both on the Site and on the MNR property;
- Monitoring well installation;
- Groundwater sampling and groundwater elevation measurements from monitoring wells;
- Indoor air sampling from two residential structures located in the vicinity of the Site; and,
- Soil vapor sampling along and inside the sanitary sewer in the vicinity and downgradient of Site.

7.2 CONCLUSIONS

Results of this investigation indicates:

- The former dry-cleaning machine location, newly identified by the Site owner, is not an additional source of contamination to soil and shallow groundwater in this area of the Site;
- The source of 1,1,1-TCA in groundwater appears to be the result of an upgradient source;

APPENDIX G

Documentation of Supplemental Environmental Investigation

ENVIRONMENTAL FIELDWORK REPORT

33-35 Centre Avenue

City of New Rochelle

Westchester County, New York

October 27, 2017

WCD File: LN17112.10

Prepared By:

WCD GROUP

For pivotal matters.™

TABLE OF CONTENTS

A1.0 INTRODUCTION 1

A1.1 Purpose 1

A1.2 Limitations 1

A2.0 SUBSURFACE INVESTIGATION 1

A2.1 Summary of Services 1

A2.2 Fieldwork Activities 1

A2.3 Laboratory Analysis 2

A3.0 SUMMARY OF FINDINGS 3

ATTACHMENTS

A *Fieldwork Map*

B *Data Summary Table*

C *Laboratory Report*

A1.0 INTRODUCTION

A1.1 Purpose

This Environmental Fieldwork Report, an Appendix to the Phase I Environmental Site Assessment dated October 27, 2017 (Phase I ESA), documents activities performed and/or supervised by WCD Group, LLC (WCD) at the property located at 33-35 Centre Avenue, City of New Rochelle, Westchester County, New York. Sub-slab soil vapor sampling was performed in conjunction with preparation of the Phase I ESA to screen for potential impacts from on-site historical and current commercial operations, and from known off-site solvent contamination at the adjoining property to the west (see Phase I ESA Section 3.2).

This document describes all fieldwork methodologies for the work conducted by WCD and includes discussions of the resulting analytical data; conclusions and recommendations regarding this fieldwork are presented in the Phase I ESA report.

A1.2 Limitations

This written analysis summarizes the site characterization activities conducted on a specified portion (the "Site") of the above-referenced property and is not relevant to other portions of this property or any other property. It is a representation of those portions of the property analyzed as of the respective dates of fieldwork. Environmental services were performed in accordance with generally accepted practices and established New York State Department of Environmental Conservation (NYSDEC) protocols. This Appendix is an integral portion of the Phase I ESA report and is not intended to be used as a stand-alone document.

A2.0 SUBSURFACE INVESTIGATION

A2.1 Summary of Services

WCD installed three temporary soil vapor implants (SV-01, SV-02 and SV-03) and collected soil vapor samples to document the presence or absence of contamination. A map indicating relevant Site information and fieldwork locations is provided as Attachment A.

A2.2 Fieldwork Activities

GENERAL PROTOCOLS

All encountered material was screened with a properly calibrated MiniRAE Lite (Model PGM 7300) photo-ionization detector (PID) for the presence of any volatile organic vapors where appropriate. WCD described all encountered media in field log books, including specific characteristics, the presence of foreign materials, and field and instrument indications of contamination (e.g., staining, odors, PID readings).

WCD collected samples in general conformance with NYSDEC and New York State Department of Health (NYSDOH) sample collection and decontamination protocols. All field personnel wore

dedicated, disposable gloves during fieldwork activities, and any non-dedicated sampling instruments were decontaminated prior to media collection.

All samples were placed in laboratory-supplied containers and properly maintained while in WCD's custody. Samples were transported the following day (October 5, 2017) via courier to York Analytical Laboratories, Inc., a New York State Department of Health-certified laboratory (ELAP Certification Number 10854) for chemical analyses. Appropriate chain-of-custody procedures were followed.

COLLECTION OF SOIL VAPOR

Soil vapor samples were collected from beneath the concrete slab at the eastern-central portion of the basement (SV-01), and the southwestern (SV-02) and northeastern (SV-03) portions of the building (located to the west and north of the cleaning/plating baths, respectively).

The slab was breached utilizing a concrete drill and the holes were extended to a depth of 12 to 16 inches below the top of the slab. The end of the sample tubing (0.188-inch inner diameter Teflon) was attached to an "air stone" filter and inserted through the borehole. Clean sand was poured into the void surrounding the air stone. The holes were backfilled leaving approximately two inches of depth between the top of the sand and the slab surface. The remaining space at the top of each hole was sealed off with a non-VOC containing clay to prevent surface air from entering the system. A properly calibrated PID was used to measure volatile organics before purging. No significant PID readings were recorded at any borehole. A vacuum pump was utilized to purge the standing air from the tubing. At least three borehole and tubing volumes were purged prior to collection at a rate of 0.2 liters per minute. Following purging, the vapor samples were collected over a two-hour period using 6-liter stainless steel, laboratory supplied Summa canisters with two-hour calibrated flow controllers.

A2.3 Laboratory Analysis

STANDARDS, CRITERIA AND/OR GUIDANCE

The State of New York does not have any standards, criteria or guidance values (SCG) for volatile chemicals in subsurface vapors; the NYSDOH does, however, utilize several decision matrices for evaluating potential soil vapor intrusion for a limited number of compounds under specific circumstances (see NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York [October 2006]). Potentially applicable matrix values and/or relatively high concentrations of VOCs are identified in the report text and in data summary tables, as warranted.

SAMPLE SUBMISSION

All soil vapor samples were analyzed for volatile organic compounds (VOCs) using USEPA Method TO-15.

LABORATORY RESULTS AND DISCUSSION

A summary of the results of the laboratory analyses is presented below. Soil vapor results are referenced as micrograms per cubic meter ($\mu g/m^3$). A complete data summary table and the laboratory report are provided as Attachments B and C, respectively.

Significant contamination by chlorinated VOCs (cVOCs), primarily by industrial solvents such as trichloroethylene (TCE) and trichloroethene (TCA), was documented in sub-slab soil vapor. Significant detections included:

cVOC	SV-01	SV-02	SV-03
TCE	240,000	1,100	110,000
1,1,1-TCA	40,000	1,900	20,000
Tetrachloroethene (PCE)	1,500	5,900	4,600
1,1-Dichloroethene	4,500	340	1,300
1,1-Dichloroethane	730	36	150
trans-1,2-Dichloroethene	550	5.8	46
cis-1,2-Dichloroethene	160	5.8	89
1,2-Dichloroethane	74	7.7	17

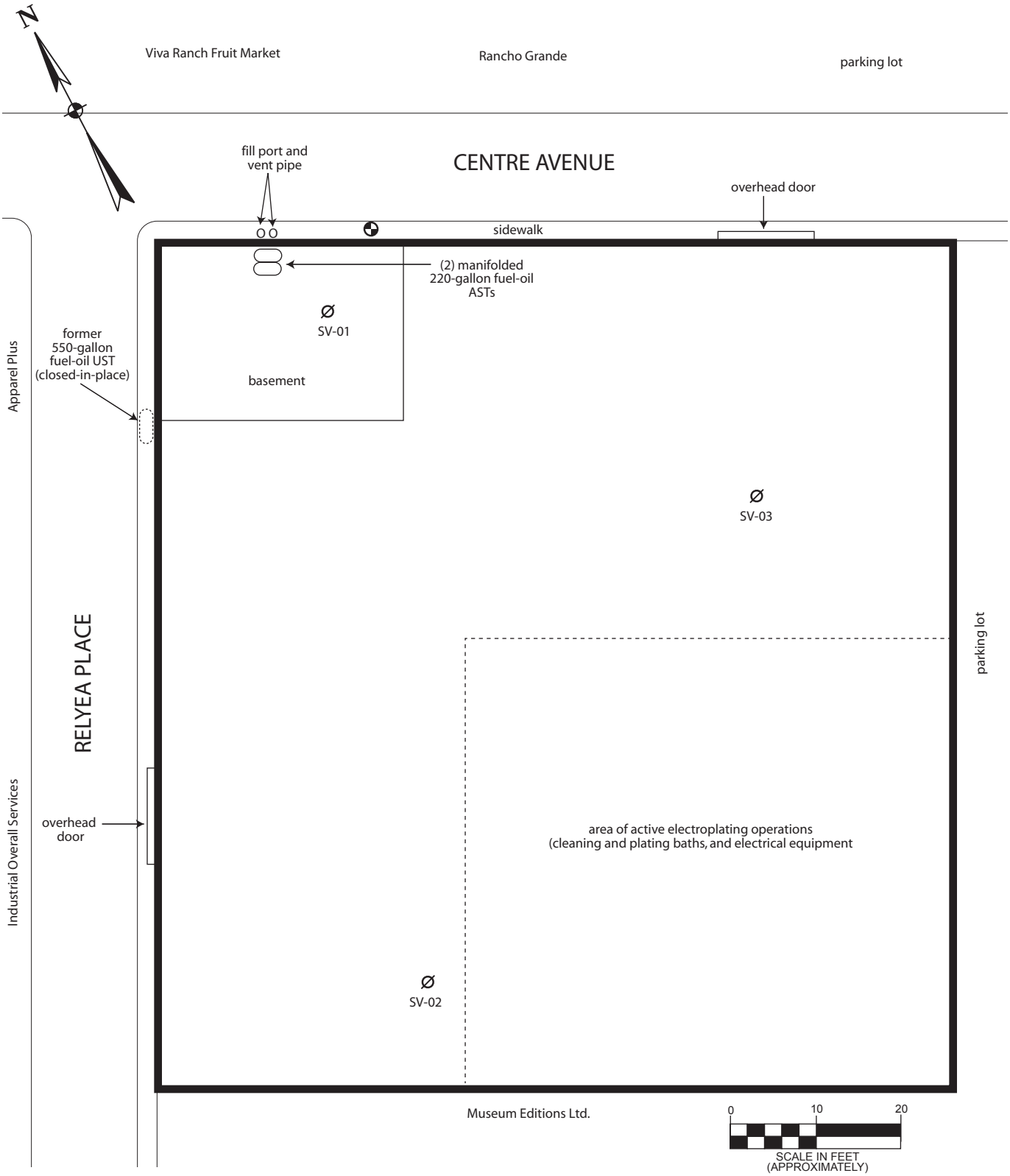
Several VOCs associated with petroleum, and other solvents, were detected in soil vapor samples at low concentrations, consistent with the urban location of the subject property.

A3.0 SUMMARY OF FINDINGS

Laboratory findings document significant concentrations of c-VOCs in vapor. These data may be from an on-site source and may indicate the presence of on-site soil and/or groundwater contamination. The presence of high concentrations of dichloroethanes and dichloroethenes (breakdown products of TCA and PCE/TCE) suggests that source materials are related to historical releases. Current data support the conclusion that no significant petroleum contamination is present near or below the building in the vicinity of the sampling locations.

ATTACHMENT A

Fieldwork Map



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

Fieldwork Map

33-35 Centre Avenue
City of New Rochelle
Westchester County, New York

Legend:

- subject property border
- sample location
- monitoring well location

WCD File: LN17112.10
October 2017
Scale as shown
Attachment A

ATTACHMENT B

Data Summary Table

Table: VOCs in Sub-slab Soil Vapor

33-35 Centre Avenue, New Rochele

WCD File: LN17112.10

Sample ID	SV-01		SV-02		SV-03	
All data in µg/m³ Sample Date	(2017-10-04)		(2017-10-04)		(2017-10-04)	
U= Not Detected ≥ value Dilution Factor	3012		58.44		3056	
VOCs, TO-15	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	10	*U*	10	*U*	10	*U*
1,1,1-Trichloroethane	40000	*D*	1900	*D*	20000	*D*
1,1,2,2-Tetrachloroethane	10	*U*	10	*U*	10	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	12	*U*	11	*U*	12	*U*
1,1,2-Trichloroethane	50	*D*	8	*U*	8.3	*U*
1,1-Dichloroethane	730	*D*	36	*D*	150	*D*
1,1-Dichloroethene	4,500	*D*	340	*D*	1,300	*D*
1,2,4-Trichlorobenzene	11	*U*	11	*U*	11	*U*
1,2,4-Trimethylbenzene	7.4	*U*	7.2	*U*	7.5	*U*
1,2-Dibromoethane	12	*U*	11	*U*	12	*U*
1,2-Dichlorobenzene	9.1	*U*	8.8	*U*	9.2	*U*
1,2-Dichloroethane	74	*D*	7.7	*D*	17	*D*
1,2-Dichloropropane	7	*U*	6.8	*U*	7.1	*U*
1,2-Dichlorotetrafluoroethane	11	*U*	10	*U*	11	*U*
1,3,5-Trimethylbenzene	7.4	*U*	7.2	*U*	7.5	*U*
1,3-Butadiene	10	*U*	9.7	*U*	10	*U*
1,3-Dichlorobenzene	9.1	*U*	8.8	*U*	9.2	*U*
1,3-Dichloropropane	7	*U*	6.8	*U*	7.1	*U*
1,4-Dichlorobenzene	9.1	*U*	8.8	*U*	9.2	*U*
1,4-Dioxane	11	*U*	11	*U*	11	*U*
2-Butanone	4.4	*U*	4.3	*U*	4.5	*U*
2-Hexanone	12	*U*	12	*U*	13	*U*
3-Chloropropene	24	*U*	23	*U*	24	*U*
4-Methyl-2-pentanone	6.2	*U*	6	*U*	6.3	*U*
Acetone	7.2	*U*	11	*D*	7.3	*U*
Acrylonitrile	3.3	*U*	3.2	*U*	3.3	*U*
Benzene	7.7	*D*	4.7	*U*	8.3	*D*
Benzyl chloride	7.8	*U*	7.6	*U*	7.9	*U*
Bromodichloromethane	10	*U*	9.8	*U*	19	*D*
Bromoform	16	*U*	15	*U*	16	*U*
Bromomethane	5.8	*U*	5.7	*U*	5.9	*U*
Carbon disulfide	8	*D*	4.5	*U*	7.1	*D*
Carbon tetrachloride	2.4	*U*	2.3	*U*	2.4	*U*
Chlorobenzene	6.9	*U*	6.7	*U*	7	*U*
Chloroethane	4	*U*	3.9	*U*	4	*U*
Chloroform	130	*D*	100	*D*	590	*D*
Chloromethane	3.1	*U*	3	*U*	3.2	*U*
cis-1,2-Dichloroethene	160	*D*	5.8	*U*	89	*D*
cis-1,3-Dichloropropene	6.8	*U*	6.6	*U*	6.9	*U*
Cyclohexane	5.2	*U*	5	*U*	7.9	*D*
Dibromochloromethane	13	*U*	12	*U*	13	*U*
Dichlorodifluoromethane	7.4	*U*	7.2	*U*	7.6	*U*
Ethyl Acetate	11	*U*	11	*U*	11	*U*
Ethylbenzene	6.5	*U*	6.3	*U*	6.6	*U*
Hexachlorobutadiene	16	*U*	16	*U*	16	*U*
Isopropanol	7.4	*U*	7.2	*U*	7.5	*U*
Methyl Methacrylate	6.2	*U*	6	*U*	6.3	*U*
Methyl tert butyl ether	5.4	*U*	5.3	*U*	5.5	*U*
Methylene chloride	25	*D*	16	*D*	88	*D*
Naphthalene	79	*U*	77	*U*	80	*U*
n-Heptane	6.2	*U*	6	*U*	6.3	*U*
n-Hexane	5.3	*U*	5.1	*U*	5.4	*U*
o-Xylene	6.5	*U*	6.3	*U*	6.6	*U*
p/m-Xylene	13	*U*	13	*U*	13	*U*
p-Ethyltoluene	7.4	*U*	7.2	*U*	7.5	*U*
Propylene	46	*D*	12	*D*	19	*D*
Styrene	6.4	*U*	6.2	*U*	6.5	*U*
Tetrachloroethene	1,500	*D*	5,900	*D*	4,600	*D*
Tetrahydrofuran	8.9	*U*	8.6	*U*	9	*U*
Toluene	5.7	*U*	5.5	*U*	5.8	*U*
trans-1,2-Dichloroethene	550	*D*	5.8	*U*	46	*D*
trans-1,3-Dichloropropene	6.8	*U*	6.6	*U*	6.9	*U*
Trichloroethene	240,000	*D*	1,100	*D*	110,000	*D*
Trichlorofluoromethane	8.5	*U*	8.2	*U*	8.6	*U*
Vinyl acetate	5.3	*U*	5.1	*U*	5.4	*U*
Vinyl bromide	6.6	*U*	6.4	*U*	6.7	*U*
Vinyl chloride	3.8	*U*	3.7	*U*	3.9	*U*

Detected concentrations

Notes: NA = not available

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

ATTACHMENT C

Laboratory Report

Technical Report

prepared for:

WCD Group - Poughkeepsie NY
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Victoria Panico

Report Date: 10/12/2017
Client Project ID: LN17122.10
York Project (SDG) No.: 17J0156

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 10/12/2017
Client Project ID: LN17122.10
York Project (SDG) No.: 17J0156

WCD Group - Poughkeepsie NY
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Victoria Panico

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 05, 2017 and listed below. The project was identified as your project: **LN17122.10**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
17J0156-01	SV-01	Soil Vapor	10/04/2017	10/05/2017
17J0156-02	SV-02	Soil Vapor	10/04/2017	10/05/2017
17J0156-03	SV-03	Soil Vapor	10/04/2017	10/05/2017

General Notes for York Project (SDG) No.: 17J0156

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:

Date: 10/12/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SV-01 **York Sample ID:** 17J0156-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0156	LN17122.10	Soil Vapor	October 4, 2017 3:00 pm	10/05/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	10	15.06	EPA TO-15 Certifications:	10/09/2017 14:31	10/09/2017 14:31	LDS
71-55-6	**1,1,1-Trichloroethane**	**40000**		ug/m³	160	301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/11/2017 13:58	10/11/2017 13:58	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	10	15.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	10/09/2017 14:31	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	12	15.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	10/09/2017 14:31	LDS
79-00-5	**1,1,2-Trichloroethane**	**50**		ug/m³	8.2	15.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	10/09/2017 14:31	LDS
75-34-3	**1,1-Dichloroethane**	**730**		ug/m³	6.1	15.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	10/09/2017 14:31	LDS
75-35-4	**1,1-Dichloroethylene**	**4500**		ug/m³	120	301	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/11/2017 13:58	10/11/2017 13:58	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	11	15.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	10/09/2017 14:31	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	7.4	15.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	10/09/2017 14:31	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	12	15.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	10/09/2017 14:31	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	9.1	15.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	10/09/2017 14:31	LDS
107-06-2	**1,2-Dichloroethane**	**74**		ug/m³	6.1	15.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	10/09/2017 14:31	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	7.0	15.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	10/09/2017 14:31	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	11	15.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	10/09/2017 14:31	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	7.4	15.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	10/09/2017 14:31	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	10	15.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	10/09/2017 14:31	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	9.1	15.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	10/09/2017 14:31	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	7.0	15.06	EPA TO-15 Certifications:	10/09/2017 14:31	10/09/2017 14:31	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	9.1	15.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	10/09/2017 14:31	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	11	15.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	10/09/2017 14:31	LDS
78-93-3	2-Butanone	ND		ug/m³	4.4	15.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	10/09/2017 14:31	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	12	15.06	EPA TO-15 Certifications:	10/09/2017 14:31	10/09/2017 14:31	LDS

Sample Information

Client Sample ID: **SV-01** **York Sample ID:** **17J0156-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0156	LN17122.10	Soil Vapor	October 4, 2017 3:00 pm	10/05/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	24	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	6.2	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
67-64-1	Acetone	ND		ug/m³	7.2	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
107-13-1	Acrylonitrile	ND		ug/m³	3.3	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
71-43-2	**Benzene**	**7.7**		ug/m³	4.8	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
100-44-7	Benzyl chloride	ND		ug/m³	7.8	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	10	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
75-25-2	Bromoform	ND		ug/m³	16	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
74-83-9	Bromomethane	ND		ug/m³	5.8	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
75-15-0	**Carbon disulfide**	**8.0**		ug/m³	4.7	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	2.4	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
108-90-7	Chlorobenzene	ND		ug/m³	6.9	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
75-00-3	Chloroethane	ND		ug/m³	4.0	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
67-66-3	**Chloroform**	**130**		ug/m³	7.4	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
74-87-3	Chloromethane	ND		ug/m³	3.1	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
156-59-2	**cis-1,2-Dichloroethylene**	**160**		ug/m³	6.0	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	6.8	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
110-82-7	Cyclohexane	ND		ug/m³	5.2	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	13	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m³	7.4	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	11	15.06	EPA TO-15 Certifications:	10/09/2017 14:31	10/09/2017 14:31	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	6.5	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	16	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS

Sample Information

Client Sample ID: **SV-01** **York Sample ID:** **17J0156-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0156	LN17122.10	Soil Vapor	October 4, 2017 3:00 pm	10/05/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	ND		ug/m³	7.4	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	6.2	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	5.4	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
75-09-2	**Methylene chloride**	**25**		ug/m³	10	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
91-20-3	* Naphthalene	ND		ug/m³	79	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NJDEP-Queens	10/09/2017 14:31	LDS
142-82-5	n-Heptane	ND		ug/m³	6.2	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
110-54-3	n-Hexane	ND		ug/m³	5.3	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
95-47-6	o-Xylene	ND		ug/m³	6.5	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	13	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	7.4	15.06	EPA TO-15 Certifications:	10/09/2017 14:31	10/09/2017 14:31	LDS
115-07-1	*** Propylene**	**46**		ug/m³	2.6	15.06	EPA TO-15 Certifications:	10/09/2017 14:31	10/09/2017 14:31	LDS
100-42-5	Styrene	ND		ug/m³	6.4	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
127-18-4	**Tetrachloroethylene**	**1500**		ug/m³	2.6	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	8.9	15.06	EPA TO-15 Certifications:	10/09/2017 14:31	10/09/2017 14:31	LDS
108-88-3	Toluene	ND		ug/m³	5.7	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
156-60-5	**trans-1,2-Dichloroethylene**	**550**		ug/m³	6.0	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	6.8	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
79-01-6	**Trichloroethylene**	**240000**		ug/m³	400	3012	EPA TO-15 Certifications:	10/11/2017 15:40 NELAC-NY12058,NJDEP-Queens	10/11/2017 15:40	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	8.5	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
108-05-4	Vinyl acetate	ND		ug/m³	5.3	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
593-60-2	Vinyl bromide	ND		ug/m³	6.6	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	3.8	15.06	EPA TO-15 Certifications:	10/09/2017 14:31 NELAC-NY12058,NJDEP-Queens	10/09/2017 14:31	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.2 %*	*70-130*

Sample Information

Client Sample ID: **SV-01** **York Sample ID:** **17J0156-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0156	LN17122.10	Soil Vapor	October 4, 2017 3:00 pm	10/05/2017

Sample Information

Client Sample ID: **SV-02** **York Sample ID:** **17J0156-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0156	LN17122.10	Soil Vapor	October 4, 2017 3:00 pm	10/05/2017

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	10	14.61	EPA TO-15 Certifications:	10/09/2017 15:19	10/09/2017 15:19	LDS
71-55-6	**1,1,1-Trichloroethane**	**1900**		ug/m³	8.0	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	10	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	11	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	8.0	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
75-34-3	**1,1-Dichloroethane**	**36**		ug/m³	5.9	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
75-35-4	**1,1-Dichloroethylene**	**340**		ug/m³	5.8	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	11	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	7.2	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	11	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	8.8	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
107-06-2	**1,2-Dichloroethane**	**7.7**		ug/m³	5.9	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	6.8	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	10	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	7.2	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	9.7	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	8.8	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	6.8	14.61	EPA TO-15 Certifications:	10/09/2017 15:19	10/09/2017 15:19	LDS

Sample Information

Client Sample ID: SV-02 **York Sample ID:** 17J0156-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0156	LN17122.10	Soil Vapor	October 4, 2017 3:00 pm	10/05/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	8.8	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	11	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
78-93-3	2-Butanone	ND		ug/m³	4.3	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	12	14.61	EPA TO-15 Certifications:	10/09/2017 15:19	10/09/2017 15:19	LDS
107-05-1	3-Chloropropene	ND		ug/m³	23	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	6.0	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
67-64-1	**Acetone**	**11**		ug/m³	6.9	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
107-13-1	Acrylonitrile	ND		ug/m³	3.2	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
71-43-2	Benzene	ND		ug/m³	4.7	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
100-44-7	Benzyl chloride	ND		ug/m³	7.6	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	9.8	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
75-25-2	Bromoform	ND		ug/m³	15	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
74-83-9	Bromomethane	ND		ug/m³	5.7	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
75-15-0	Carbon disulfide	ND		ug/m³	4.5	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	2.3	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
108-90-7	Chlorobenzene	ND		ug/m³	6.7	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
75-00-3	Chloroethane	ND		ug/m³	3.9	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
67-66-3	**Chloroform**	**100**		ug/m³	7.1	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
74-87-3	Chloromethane	ND		ug/m³	3.0	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	5.8	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	6.6	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
110-82-7	Cyclohexane	ND		ug/m³	5.0	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	12	14.61	EPA TO-15 Certifications:	10/09/2017 15:19 NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	LDS

Sample Information

Client Sample ID: **SV-02** **York Sample ID:** **17J0156-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0156	LN17122.10	Soil Vapor	October 4, 2017 3:00 pm	10/05/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/m³	7.2	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	11	14.61	EPA TO-15 Certifications:	10/09/2017 15:19	10/09/2017 15:19	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	6.3	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	16	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
67-63-0	Isopropanol	ND		ug/m³	7.2	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	6.0	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	5.3	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
75-09-2	**Methylene chloride**	**16**		ug/m³	10	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
91-20-3	* Naphthalene	ND		ug/m³	77	14.61	EPA TO-15 Certifications: NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
142-82-5	n-Heptane	ND		ug/m³	6.0	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
110-54-3	n-Hexane	ND		ug/m³	5.1	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
95-47-6	o-Xylene	ND		ug/m³	6.3	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	13	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	7.2	14.61	EPA TO-15 Certifications:	10/09/2017 15:19	10/09/2017 15:19	LDS
115-07-1	*** Propylene**	**12**		ug/m³	2.5	14.61	EPA TO-15 Certifications:	10/09/2017 15:19	10/09/2017 15:19	LDS
100-42-5	Styrene	ND		ug/m³	6.2	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
127-18-4	**Tetrachloroethylene**	**5900**		ug/m³	9.9	58.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 16:53	10/09/2017 16:53	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	8.6	14.61	EPA TO-15 Certifications:	10/09/2017 15:19	10/09/2017 15:19	LDS
108-88-3	Toluene	ND		ug/m³	5.5	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	5.8	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	6.6	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
79-01-6	**Trichloroethylene**	**1100**		ug/m³	2.0	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	8.2	14.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/09/2017 15:19	10/09/2017 15:19	LDS

Sample Information

Client Sample ID: **SV-02** **York Sample ID:** **17J0156-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0156	LN17122.10	Soil Vapor	October 4, 2017 3:00 pm	10/05/2017

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND		ug/m³	5.1	14.61	EPA TO-15	10/09/2017 15:19	10/09/2017 15:19	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	6.4	14.61	EPA TO-15	10/09/2017 15:19	10/09/2017 15:19	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	3.7	14.61	EPA TO-15	10/09/2017 15:19	10/09/2017 15:19	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.3 %*	*70-130*

Sample Information

Client Sample ID: **SV-03** **York Sample ID:** **17J0156-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0156	LN17122.10	Soil Vapor	October 4, 2017 3:00 pm	10/05/2017

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	10	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:			
71-55-6	**1,1,1-Trichloroethane**	**20000**		ug/m³	170	305.6	EPA TO-15	10/11/2017 14:47	10/11/2017 14:47	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	10	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	12	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	8.3	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	**1,1-Dichloroethane**	**150**		ug/m³	6.2	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	**1,1-Dichloroethylene**	**1300**		ug/m³	6.1	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	11	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	7.5	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	12	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	9.2	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	**1,2-Dichloroethane**	**17**		ug/m³	6.2	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SV-03** **York Sample ID:** **17J0156-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0156	LN17122.10	Soil Vapor	October 4, 2017 3:00 pm	10/05/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/m³	7.1	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	11	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	7.5	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	10	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	9.2	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	7.1	15.28	EPA TO-15 Certifications:	10/09/2017 16:06	10/09/2017 16:06	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	9.2	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	11	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
78-93-3	2-Butanone	ND		ug/m³	4.5	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	13	15.28	EPA TO-15 Certifications:	10/09/2017 16:06	10/09/2017 16:06	LDS
107-05-1	3-Chloropropene	ND		ug/m³	24	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	6.3	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
67-64-1	Acetone	ND		ug/m³	7.3	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
107-13-1	Acrylonitrile	ND		ug/m³	3.3	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
71-43-2	**Benzene**	**8.3**		ug/m³	4.9	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
100-44-7	Benzyl chloride	ND		ug/m³	7.9	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
75-27-4	**Bromodichloromethane**	**19**		ug/m³	10	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
75-25-2	Bromoform	ND		ug/m³	16	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
74-83-9	Bromomethane	ND		ug/m³	5.9	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
75-15-0	**Carbon disulfide**	**7.1**		ug/m³	4.8	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	2.4	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
108-90-7	Chlorobenzene	ND		ug/m³	7.0	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS
75-00-3	Chloroethane	ND		ug/m³	4.0	15.28	EPA TO-15 Certifications:	10/09/2017 16:06 NELAC-NY12058,NJDEP-Queens	10/09/2017 16:06	LDS

Sample Information

Client Sample ID: **SV-03** **York Sample ID:** **17J0156-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0156	LN17122.10	Soil Vapor	October 4, 2017 3:00 pm	10/05/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	**Chloroform**	**590**		ug/m³	7.5	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	Chloromethane	ND		ug/m³	3.2	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	**cis-1,2-Dichloroethylene**	**89**		ug/m³	6.1	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	6.9	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	**Cyclohexane**	**7.9**		ug/m³	5.3	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	13	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	Dichlorodifluoromethane	ND		ug/m³	7.6	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	11	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	6.6	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	16	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	Isopropanol	ND		ug/m³	7.5	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	6.3	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	5.5	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	**Methylene chloride**	**88**		ug/m³	11	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
91-20-3	* Naphthalene	ND		ug/m³	80	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NJDEP-Queens			
142-82-5	n-Heptane	ND		ug/m³	6.3	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	n-Hexane	ND		ug/m³	5.4	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	o-Xylene	ND		ug/m³	6.6	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	p- & m- Xylenes	ND		ug/m³	13	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	* p-Ethyltoluene	ND		ug/m³	7.5	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:			
115-07-1	*** Propylene**	**19**		ug/m³	2.6	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:			
100-42-5	Styrene	ND		ug/m³	6.5	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**4600**		ug/m³	2.6	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **SV-03** **York Sample ID:** **17J0156-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0156	LN17122.10	Soil Vapor	October 4, 2017 3:00 pm	10/05/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
109-99-9	* Tetrahydrofuran	ND		ug/m³	9.0	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:			
108-88-3	Toluene	ND		ug/m³	5.8	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	**trans-1,2-Dichloroethylene**	**46**		ug/m³	6.1	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	6.9	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	**Trichloroethylene**	**110000**		ug/m³	410	3056	EPA TO-15	10/11/2017 16:27	10/11/2017 16:27	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	8.6	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	5.4	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	6.7	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	3.9	15.28	EPA TO-15	10/09/2017 16:06	10/09/2017 16:06	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.8 %*	*70-130*

Analytical Batch Summary

Batch ID: BJ70454 **Preparation Method:** EPA TO15 PREP **Prepared By:** LDS

YORK Sample ID	Client Sample ID	Preparation Date
17J0156-01	SV-01	10/09/17
17J0156-02	SV-02	10/09/17
17J0156-02RE1	SV-02	10/09/17
17J0156-03	SV-03	10/09/17
BJ70454-BLK1	Blank	10/09/17
BJ70454-BS1	LCS	10/09/17

Batch ID: BJ70651 **Preparation Method:** EPA TO15 PREP **Prepared By:** LDS

YORK Sample ID	Client Sample ID	Preparation Date
17J0156-01RE1	SV-01	10/11/17
17J0156-01RE2	SV-01	10/11/17
17J0156-03RE1	SV-03	10/11/17
17J0156-03RE2	SV-03	10/11/17
BJ70651-BLK1	Blank	10/11/17
BJ70651-BS1	LCS	10/11/17

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70454 - EPA TO15 PREP											
Blank (BJ70454-BLK1)									Prepared & Analyzed: 10/09/2017		
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.40	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
Naphthalene	ND	5.2	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70454 - EPA TO15 PREP											
Blank (BJ70454-BLK1)								Prepared & Analyzed: 10/09/2017			
n-Heptane	ND	0.41	ug/m³								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.17	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.26	"								
Surrogate: p-Bromofluorobenzene	*8.45*		*ppbv*	*10.0*		*84.5*	*70-130*				
LCS (BJ70454-BS1)								Prepared & Analyzed: 10/09/2017			
1,1,1,2-Tetrachloroethane	10.0		ppbv	10.0		100	70-130				
1,1,1-Trichloroethane	9.12		"	10.0		91.2	70-130				
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.86		"	10.0		98.6	70-130				
1,1,2-Trichloroethane	9.92		"	10.0		99.2	70-130				
1,1-Dichloroethane	10.1		"	10.0		101	70-130				
1,1-Dichloroethylene	9.33		"	10.0		93.3	70-130				
1,2,4-Trichlorobenzene	7.55		"	10.0		75.5	70-130				
1,2,4-Trimethylbenzene	9.82		"	10.0		98.2	70-130				
1,2-Dibromoethane	9.57		"	10.0		95.7	70-130				
1,2-Dichlorobenzene	9.59		"	10.0		95.9	70-130				
1,2-Dichloroethane	8.47		"	10.0		84.7	70-130				
1,2-Dichloropropane	9.89		"	10.0		98.9	70-130				
1,2-Dichlorotetrafluoroethane	8.79		"	10.0		87.9	70-130				
1,3,5-Trimethylbenzene	9.91		"	10.0		99.1	70-130				
1,3-Butadiene	8.01		"	10.0		80.1	70-130				
1,3-Dichlorobenzene	9.60		"	10.0		96.0	70-130				
1,3-Dichloropropane	9.73		"	10.0		97.3	70-130				
1,4-Dichlorobenzene	9.78		"	10.0		97.8	70-130				
1,4-Dioxane	9.19		"	10.0		91.9	70-130				
2-Butanone	8.41		"	10.0		84.1	70-130				
2-Hexanone	9.26		"	10.0		92.6	70-130				
3-Chloropropene	8.88		"	10.0		88.8	70-130				
4-Methyl-2-pentanone	9.11		"	10.0		91.1	70-130				
Acetone	6.84		"	10.0		68.4	70-130	Low Bias			
Acrylonitrile	9.51		"	10.0		95.1	70-130				
Benzene	9.60		"	10.0		96.0	70-130				
Benzyl chloride	9.18		"	10.0		91.8	70-130				
Bromodichloromethane	9.54		"	10.0		95.4	70-130				
Bromoform	10.3		"	10.0		103	70-130				
Bromomethane	8.90		"	10.0		89.0	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70454 - EPA TO15 PREP											
LCS (BJ70454-BS1)								Prepared & Analyzed: 10/09/2017			
Carbon disulfide	11.0		ppbv	10.0		110	70-130				
Carbon tetrachloride	9.00		"	10.0		90.0	70-130				
Chlorobenzene	9.62		"	10.0		96.2	70-130				
Chloroethane	9.43		"	10.0		94.3	70-130				
Chloroform	9.13		"	10.0		91.3	70-130				
Chloromethane	7.36		"	10.0		73.6	70-130				
cis-1,2-Dichloroethylene	7.80		"	10.0		78.0	70-130				
cis-1,3-Dichloropropylene	10.4		"	10.0		104	70-130				
Cyclohexane	10.1		"	10.0		101	70-130				
Dibromochloromethane	9.81		"	10.0		98.1	70-130				
Dichlorodifluoromethane	11.1		"	10.0		111	70-130				
Ethyl acetate	9.11		"	10.0		91.1	70-130				
Ethyl Benzene	10.4		"	10.0		104	70-130				
Hexachlorobutadiene	10.3		"	10.0		103	70-130				
Isopropanol	8.13		"	10.0		81.3	70-130				
Methyl Methacrylate	9.92		"	10.0		99.2	70-130				
Methyl tert-butyl ether (MTBE)	9.04		"	10.0		90.4	70-130				
Methylene chloride	9.35		"	10.0		93.5	70-130				
Naphthalene	9.59		"	10.0		95.9	70-130				
n-Heptane	9.57		"	10.0		95.7	70-130				
n-Hexane	8.68		"	10.0		86.8	70-130				
o-Xylene	9.81		"	10.0		98.1	70-130				
p- & m- Xylenes	19.6		"	20.0		98.0	70-130				
p-Ethyltoluene	10.3		"	10.0		103	70-130				
Propylene	9.82		"	10.0		98.2	70-130				
Styrene	9.32		"	10.0		93.2	70-130				
Tetrachloroethylene	8.64		"	10.0		86.4	70-130				
Tetrahydrofuran	9.71		"	10.0		97.1	70-130				
Toluene	9.59		"	10.0		95.9	70-130				
trans-1,2-Dichloroethylene	9.56		"	10.0		95.6	70-130				
trans-1,3-Dichloropropylene	9.89		"	10.0		98.9	70-130				
Trichloroethylene	8.79		"	10.0		87.9	70-130				
Trichlorofluoromethane (Freon 11)	9.66		"	10.0		96.6	70-130				
Vinyl acetate	8.98		"	10.0		89.8	70-130				
Vinyl bromide	11.2		"	10.0		112	70-130				
Vinyl Chloride	8.87		"	10.0		88.7	70-130				
Surrogate: p-Bromofluorobenzene	*9.82*		*"*	*10.0*		*98.2*	*70-130*				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70651 - EPA TO15 PREP											
Blank (BJ70651-BLK1)									Prepared & Analyzed: 10/11/2017		
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.40	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
Naphthalene	ND	5.2	"								
n-Heptane	ND	0.41	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70651 - EPA TO15 PREP											
Blank (BJ70651-BLK1)								Prepared & Analyzed: 10/11/2017			
n-Hexane	ND	0.35	ug/m³								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.17	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.26	"								
Surrogate: p-Bromofluorobenzene	*8.66*		*ppbv*	*10.0*		*86.6*	*70-130*				
LCS (BJ70651-BS1)								Prepared & Analyzed: 10/11/2017			
1,1,1,2-Tetrachloroethane	9.83		ppbv	10.0		98.3	70-130				
1,1,1-Trichloroethane	8.83		"	10.0		88.3	70-130				
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.53		"	10.0		95.3	70-130				
1,1,2-Trichloroethane	9.60		"	10.0		96.0	70-130				
1,1-Dichloroethane	9.73		"	10.0		97.3	70-130				
1,1-Dichloroethylene	9.18		"	10.0		91.8	70-130				
1,2,4-Trichlorobenzene	7.67		"	10.0		76.7	70-130				
1,2,4-Trimethylbenzene	9.68		"	10.0		96.8	70-130				
1,2-Dibromoethane	9.22		"	10.0		92.2	70-130				
1,2-Dichlorobenzene	9.50		"	10.0		95.0	70-130				
1,2-Dichloroethane	8.22		"	10.0		82.2	70-130				
1,2-Dichloropropane	9.62		"	10.0		96.2	70-130				
1,2-Dichlorotetrafluoroethane	8.30		"	10.0		83.0	70-130				
1,3,5-Trimethylbenzene	9.73		"	10.0		97.3	70-130				
1,3-Butadiene	7.59		"	10.0		75.9	70-130				
1,3-Dichlorobenzene	9.46		"	10.0		94.6	70-130				
1,3-Dichloropropane	9.50		"	10.0		95.0	70-130				
1,4-Dichlorobenzene	9.65		"	10.0		96.5	70-130				
1,4-Dioxane	9.68		"	10.0		96.8	70-130				
2-Butanone	8.23		"	10.0		82.3	70-130				
2-Hexanone	9.33		"	10.0		93.3	70-130				
3-Chloropropene	8.68		"	10.0		86.8	70-130				
4-Methyl-2-pentanone	9.15		"	10.0		91.5	70-130				
Acetone	6.66		"	10.0		66.6	70-130	Low Bias			
Acrylonitrile	9.36		"	10.0		93.6	70-130				
Benzene	9.26		"	10.0		92.6	70-130				
Benzyl chloride	8.99		"	10.0		89.9	70-130				
Bromodichloromethane	9.23		"	10.0		92.3	70-130				
Bromoform	10.2		"	10.0		102	70-130				
Bromomethane	8.32		"	10.0		83.2	70-130				
Carbon disulfide	10.7		"	10.0		107	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70651 - EPA TO15 PREP											
LCS (BJ70651-BS1)								Prepared & Analyzed: 10/11/2017			
Carbon tetrachloride	8.72		ppbv	10.0		87.2	70-130				
Chlorobenzene	9.47		"	10.0		94.7	70-130				
Chloroethane	13.2		"	10.0		132	70-130	High Bias			
Chloroform	8.81		"	10.0		88.1	70-130				
Chloromethane	6.86		"	10.0		68.6	70-130	Low Bias			
cis-1,2-Dichloroethylene	7.66		"	10.0		76.6	70-130				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	70-130				
Cyclohexane	9.93		"	10.0		99.3	70-130				
Dibromochloromethane	9.46		"	10.0		94.6	70-130				
Dichlorodifluoromethane	10.6		"	10.0		106	70-130				
Ethyl acetate	8.82		"	10.0		88.2	70-130				
Ethyl Benzene	10.3		"	10.0		103	70-130				
Hexachlorobutadiene	10.6		"	10.0		106	70-130				
Isopropanol	7.92		"	10.0		79.2	70-130				
Methyl Methacrylate	9.67		"	10.0		96.7	70-130				
Methyl tert-butyl ether (MTBE)	8.90		"	10.0		89.0	70-130				
Methylene chloride	9.02		"	10.0		90.2	70-130				
Naphthalene	9.81		"	10.0		98.1	70-130				
n-Heptane	9.18		"	10.0		91.8	70-130				
n-Hexane	8.47		"	10.0		84.7	70-130				
o-Xylene	9.63		"	10.0		96.3	70-130				
p- & m- Xylenes	19.2		"	20.0		96.2	70-130				
p-Ethyltoluene	10.1		"	10.0		101	70-130				
Propylene	9.62		"	10.0		96.2	70-130				
Styrene	9.12		"	10.0		91.2	70-130				
Tetrachloroethylene	8.39		"	10.0		83.9	70-130				
Tetrahydrofuran	9.52		"	10.0		95.2	70-130				
Toluene	9.33		"	10.0		93.3	70-130				
trans-1,2-Dichloroethylene	9.32		"	10.0		93.2	70-130				
trans-1,3-Dichloropropylene	9.59		"	10.0		95.9	70-130				
Trichloroethylene	8.65		"	10.0		86.5	70-130				
Trichlorofluoromethane (Freon 11)	9.31		"	10.0		93.1	70-130				
Vinyl acetate	8.78		"	10.0		87.8	70-130				
Vinyl bromide	11.0		"	10.0		110	70-130				
Vinyl Chloride	8.39		"	10.0		83.9	70-130				
Surrogate: p-Bromofluorobenzene	*9.80*		*"*	*10.0*		*98.0*	*70-130*				

Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
CCV-A	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to dectected analytes only.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record - AIR

YORK ANALYTICAL LABORATORIES INC

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 17J0156

YOUR Information

Company: WCD Group
Address: 24 Davis Ave. Poughkeepsie, NY
Phone No. 845-452-1658
Contact Person: Victoria Panico
E-Mail Address: vpanico@wcdgroup.com

Report To:

Company: "
Address: "
Phone No. "
Attention:
E-Mail Address:

Invoice To:

Company: "
Address: "
Phone No.
Attention: Brenda Wells
E-Mail Address: bwells@wcdgroup.com

YOUR Project ID

LN17122.10

Purchase Order No.

Samples from: CT___ NY___ NJ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☐

Report Type/Deliverables

- Summary Report ____
- Summary w/ QA Summary ____
- CT RCP Package ____
- NY ASP A Package ____
- NY ASP B/CLP Pkg ____
- NJDEP Reduced ____

Electronic Deliverables:

- EDD (Specify Type) ____
- Standard Excel ____
- Regulatory Comparison Excel ____

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Victoria Panico
Samples Collected/Authorized By (Signature)

Victoria Panico
Name (printed)

Air Matrix Codes

AI - INDOOR Ambient Air
AO- OUTDOOR Amb. Air
AE- Vapor Extraction Well/ Process Gas/Effluent
AS- SOIL Vapor/Sub-Slab

Additional Notes:

Please enter the following Field Data

Detection Limits Required

- ≤ 1 ug/m³ ____
- NYSDEC VI Limits ____ (VI = vapor intrusion)
- NJDEP low level ____
- Routine Survey ____
- Other ____

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Canister ID	Flow Cont.ID	ANALYSES REQUESTED	Sampling Media
SV-01	AS 10/4/17	AS	-30	-5	24110	Y45		6 Liter canister ___ Tedlar Bag ___
SV-02	10/4/17	AS	-30	-6	23801	Y40		6 Liter canister ___ Tedlar Bag ___
SV-03	10/4/17	AS	-30	-5	20755	Y35		6 Liter canister ___ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___

Comments

Christine Arone 10/5/17 8:45
Samples Relinquished By Date/Time

J. Hoh 10/5/17 - 2028
Samples Relinquished By Date/Time

Samples Received By Date/Time

10-5-17 2028
Samples Received in LAB by Date/Time

SAMPLES RECEIVED 10-5-17 20:28

APPENDIX H

Scope of Services

Phase I Environmental Site Assessment
Scope of Services

Task 1.0 Description of Subject Property and Surrounding Area Physical Settings

1.1 Description of property location, topography, geology, hydrogeology, surface hydrology and wetlands
1.2 Identification of adjoining and surrounding area properties

Task 2.0 Historic Investigation (Review of Applicable, Reasonably Ascertainable Sources)

2.1 Review of historic maps and plans (to the earliest date of available maps)
2.2 Review of aerial photographs
2.3 Review of local records (e.g., building department), including cursory ownership information and City Directories, if applicable.
2.4 Interviews with User, Key Site Manager, and other knowledgeable individuals
2.5 Review of User or property owner provided documents and/or analytical results

Task 3.0 Federal and State Regulatory Agency Records Review

3.1 Review of ASTM-required federal, state, and/or tribal databases at required search distances and analysis of the relationship of each Site (e.g., upgradient, downgradient) to the Subject Property;
- Federal NPL (1.0 mile) and delisted NPL sites (0.5 mile)
- Federal CERCLIS list and CERCLIS NFRAP site list (0.5 mile)
- Federal RCRA CORRACTS facilities list (1.0 mile)
- Federal RCRA non-CORRACTS TSD facilities list (0.5 mile)
- Federal RCRA generators list (subject/adjoining properties)
- Federal ERNS list (subject property)
- Federal, state, and tribal institutional control/engineering control registries (subject property)
- State- and tribal-equivalent NPL (1.0 mile)
- State- and tribal-equivalent CERCLIS (0.5 mile)
- State and tribal Brownfield and voluntary cleanup sites (0.5 mile)
- State and tribal leaking storage tank lists (0.5 mile)
- State (including locally administered) and tribal registered storage tank lists (subject/adjoining)
- State and tribal landfill and/or solid waste disposal site lists (0.5 mile)
- NYC E-Designation List

3.2 Review of additional federal and state environmental databases:
- State spill file records (0.5 mile)
- State MOSF list (0.5 mile)
- State radon data (by local municipality as available)
- Federal and state wastewater discharge permits (subject/adjoining properties)

3.3 Interviews (as applicable) with government representative regarding regulatory compliance

Task 4.0 Physical Inspection

4.1 Inspection of property and structures for potential contamination and contaminant sources, including:
- Hazardous/medical/radioactive waste storage and disposal areas
- Petroleum and/or chemical storage (including tanks and associated piping)
- Spatial extent and current condition of suspect asbestos-containing materials (ACM), suspect lead-based paint (LBP) and mold
- Site conditions that may indicate the potential for radon and lead in drinking water
- If ACM or LBP is identified as presumed or suspect, provide estimates of the quantity of such material and costs for abasement to the extent feasible.
- Wastewater and stormwater discharge systems
- Equipment potentially containing polychlorinated biphenyls (PCBs)

4.2 Inspection of property for the following:
- Presence of contamination (e.g., debris, soil staining)
- Evidence of prior structures and uses
- Unusual or man-made topographical formations (e.g., berms, sinkholes)
- On-site surface water quality
- Evidence and location of wells
- Vegetative stress

4.3 Identification of overt on-site sensitive environmental receptors (e.g., wetlands)
4.4 Limited inspection of adjoining and nearby properties for:
- Potential off-site sources of contamination
- Sensitive environmental receptors

4.5 If appropriate, interviews with owners/tenants/operators and other available knowledgeable individuals present during physical inspection

Task 5.0 Preparation of Written Summary Report

5.1 Summary of findings of Tasks 1.0 through 4.0
5.2 Identification of any Recognized Environmental Conditions and/or other potential concerns
5.3 Conclusions and Recommendations, including any specific additional investigatory or remedial work
5.4 Production and transmission of the final Phase I ESA to Client in PDF format, and hard copy if requested.

APPENDIX I

Qualifications of Environmental Professionals

Paul H. Ciminello, QEP
EXECUTIVE VICE PRESIDENT
PCIMINELLO@WCDGROUP.COM

EDUCATION

Master of Environmental Management, 1986
School of the Environment, Duke University, Durham, North Carolina

Master of Arts in Public Policy Sciences, 1986
Institute of Policy Sciences and Public Affairs, Duke University, Durham, North Carolina

Bachelor of Arts, 1980
Tufts University, Medford, Massachusetts

CERTIFICATIONS AND TRAINING

Qualified Environmental Professional (QEP), Institute of Professional Environmental Practice (Cert. Number 08130024)
In compliance with OSHA Hazardous Materials Safety (29 CFR 1910) requirements (updated 2012)
Certified Air Quality Specialist, Environmental Assessment Association, 2007
Certified Environmental Manager, Environmental Assessment Association, 2006
NJ Dept. of Environmental Protection Licensed Subsurface Evaluator (License Number: 0014686)
NYS Dept. of Labor Certified Asbestos Building Inspector (Cert. Number: AH92-14884)
NYS Department of State, Division of Licensing Services, Real Estate Instructor

PROFESSIONAL EXPERIENCE

Executive Vice President, WCD Group, LLC — *2017 to present*
President, Ecosystems Strategies, Inc., Poughkeepsie, New York — *1992 to 2016*

Coordinates corporate strategic planning, financial management and marketing activities. Oversees corporate work on state and federal superfund sites and manages education/training services. Responsible for technical services in areas of pollution prevention, contaminant delineation and site remediation. Twenty-five years experience in the investigation and remediation of organic and inorganic contamination at commercial and residential properties. Major recent projects of relevance include:

- Irvington Waterfront Park (Irvington, NY): Project Manager for site investigation and remedial design of abandoned industrial riverfront properties. Documented soil and groundwater contamination and designed remediation including soil removal and site capping. Project completed in 2000; project awarded the 2000 Gold Medal Award by Consulting Engineers Council of New York State.

- Greyston Bakery Site (Yonkers, NY): Project Manager for site investigation and remedial design of former manufactured gas plant site for future use as a bakery. Documented soil, groundwater and soil gas contamination. Remedial systems included installations of a DNAPL collection system, a barrier layer, a subslab depressurization system under the building, and groundwater monitoring. Project completed in 2004.

- 400 Block Redevelopment (Poughkeepsie, NY): Project Manager for site investigation and remedial design of multi-use industrial development property (boiler repair, clothing manufacturer, auto repair) for future retail/residential use. Documented soil (petroleum, PCBs, metals) and groundwater (petroleum) contamination. Remedial systems include: soil (and tank) removal, installation of a barrier, and groundwater monitoring. Project completed in 2006.

- Prospect Court Housing Site (Bronx, NY): Project Manager for site investigation and remediation of a former gas station/auto repair facility. Documented contamination included both dissolved and free-phase petroleum hydrocarbons, dissolved halogenated solvents, and metals contamination in soil. Remedial systems consisted of In-Situ Chemical Oxidation, soil excavation, vapor interception systems, and on-going groundwater monitoring. Project secured Certificate of Completion from the NYSDEC in December 2012 and received the "Brownfield Innovation Award" from the New York City Brownfield Partnership in 2013.

- Parkview Commons Site (Bronx, NY): Project Manager for site investigation and remedial design of former gas station/auto repair facility for future use as a residential/commercial building. Certificate of Completion was secured from the NYSDEC in 2007.

Senior Hazardous Waste Specialist, U.S. Hydrogeologic, Inc., Poughkeepsie, New York 1986 to 1992

Supervisor for corporate hazardous and solid waste investigatory and remedial services. Major projects included:

- Coordination of subsurface investigations at a New York State Superfund site (former industrial facility); project manager in charge of site reclassification (delisted as of January, 1991).
- Coordination of petroleum storage tank management plan for Dutchess County (NY) Department of Public Works, including an assessment of regulatory compliance, product utilization and physical conditions of more than 100 tanks at over 20 facilities.

Adjunct Professor, (various institutions) *1991 to Present*

Dutchess Community College, Poughkeepsie, New York (1991-1996)
Marist College, Poughkeepsie, New York (1999-present)
Vassar College, Poughkeepsie, New York (2007, 2013)

Courses: Macroeconomics, Environmental Economics (DCC)
Introduction to Environmental Issues (Marist)
Environmental Geology Seminar in Environmental Investigation and Remediation (Vassar)

Policy Intern, Southern Growth Policies Board, North Carolina *1985*

Prepared several in-depth and short analyses of environmental and economic issues, with specific concern for their impact on Southern state policies. Analyses included: hazardous waste facility setting policies and environmental impacts of "high tech" industries on host communities.

Research Assistant, University of Oregon, Eugene, Oregon *1983*

Analyzed (with Dr. John Baldwin, Chairman of the Department of Planning, Public Policy and Management, U. of Oregon) the "Oregon Riparian Tax Incentive Program". Designed survey, conducted interviews and analyzed data. Summary paper with programmatic recommendations, was presented at the Annual Conference of the National Association of Environmental Educators.

PRESENTATIONS

- "Environmental Risks in Lending", Training for Hudson Valley Federal Credit Union, February 2014
- "Environmental Risks in Lending" Training Session for Pawling Savings Bank employees, December 18 and 19, 1989; and July 1, 1993.
- "Identifying Environmental Concerns in Appraisals", Workshops for Lakewood Appraisal Corporation, October, and November, 1989 and April, 1990.
- "State and Local Groundwater Protection Strategies", Annual meeting of the New York State Association of Towns, February, 1990.
- "Environmental Audits on Orchards and Agricultural Properties", Resource Education Institute, Inc., Real Estate Site Assessment and Environmental Audits Conference, December 4, 1990.
- "Environmental Audits on Orchards and Agricultural Properties", National Water Well Association Annual Conference, July 29-31, 1991.

- "Principles of Environmental Economics for Ground Water Professionals", National Groundwater Association Outdoor Action Conference, May 27, 1993.
- "Impact of Environmental Liabilities on Real Estate Transactions", a NYS Department of Education approved course for licensed real estate professionals, March 1995; April 1995; May 1995; October 1995.
- "Brownfields Redevelopment in New York: A Discussion of Two Case Studies", New England Environmental Conference 1996, March, 1996.
- "Quantifying Environmental Liabilities", a NYS Department of Education approved course for licensed real estate professionals, March 1997.
- "Environmental Assessments in Urban Settings", Vassar College, Fall 1999 and Fall 2000.
- "Navigating Property Contaminant Problems", Land Trust Alliance Rally 2001, Oct 2001.

ARTICLES

Ciminello, P. 1993. A Primer on Petroleum Bulk Storage Tanks and Petroleum Contamination of Property, ASHI Technical Journal, Volume 3, No. 1

Ciminello, P. 1991. Environmental Audits on Orchard and Other Agricultural Properties, Proceedings of the National Water Well Association Annual Conference

Ciminello, P. 1991. Property Managers Should Carefully Examine Current Fuel Storage Practices, NYS Real Estate Journal, Vol. 3, No. 9

Ciminello, P. 1991. New DEC Regulations Affect Development of Agricultural Lands, NYS Real Estate Journal, Vol. 3, No. 6

Ciminello, P., Hodges-Copple, J. 1986. Managing Toxic Risks From High Tech Manufacturing, Growth and Environmental Management Series (Southern Growth Policies Board)

Ciminello, P. 1986. State Assistance in Financing Water Treatment Facilities, Growth and Environmental Management Series (Southern Growth Policies Board)

Ciminello, P. 1985. Plants Amid Plantings: The Future Role of Environmental Factors in Business Climate Ratings, Southern Growth ALERT (Southern Growth Policies Board)

Ciminello, P., J. Baldwin, N. Duhnkrack,1984, An Incentive Approach to Riparian Lands Conservation, Monographs in Environmental Education and Environmental Studies (North American Association of Environmental Educators)

PROFESSIONAL AFFILIATIONS

American Water Resources Association
National Groundwater Association
Hazardous Materials Control Research Institute
Environmental Assessment Association

ADDITIONAL INFORMATION

Member, Dutchess County (NY) Youth Board (1987-1992); Chairman, 1992
Member, City of Poughkeepsie (NY) School District Ad Hoc Committee on Teen Parents and Pregnancy Prevention (1991)
Member, City of Poughkeepsie School District Budget Advisory Committee (1994 to 2000)
Member, City of Poughkeepsie PTA and Middle School Building Level Team

Scott Spitzer
Director of Environmental Investigations
sspitzer@wcdgroup.com

PROFESSIONAL EXPERIENCE

Director of Environmental Investigations, WCD Group, LLC, Poughkeepsie, NY *2017 - Present*
Director of Environmental Investigations, Ecosystems Strategies, Poughkeepsie, NY *2013 - 2017*

Management and quality review of environmental site assessments, technical environmental investigations, and remedial projects including Brownfield sites. Conducts research to obtain field and regulatory information about the environmental status of a designated area. Reviews all documents prepared by WCD Poughkeepsie Office to ensure consistency and technical accuracy. Responsibilities associated with the preparation of site assessments include: investigating site histories, conducting facility inspections, reviewing regulatory agency records, documenting facility compliance with relevant State and Federal regulations, and preparing reports. Management of complex technical environmental investigations (including sites currently on the NYSDEC Registry of Inactive Hazardous Waste Sites), including coordinating subcontractors, overseeing fieldwork, designing and implementing sampling plans, preparing technical reports, and interfacing with regulatory agency personnel.

Senior Project Manager, Long-Form Reports, The 451 Group, Inc., New York, NY *2008-2011*

- Managed the production of over 150 technical white papers.

Senior Project Manager, Ecosystems Strategies, Inc., Poughkeepsie, NY *2001 - 2008*

- Conducted Environmental Site Investigations and prepared final site assessment reports. Over 300 Investigations and Final Reports completed as lead manager.
- Investigated site histories.
- Conducted facility inspections.
- Reviewed regulatory agency records.
- Documented facility compliance with relevant State and Federal regulations.
- Conducted Phase II Technical Environmental Investigations and prepared technical reports.
- Researched field and regulatory information.
- Managed tank removals.
- Coordinated subcontractors.
- Oversaw fieldwork and handled collection of material, soil and water samples.

Select Projects

Scenic Hudson Land Trust, Inc., Beacon Waterfront Project, Beacon, NY

ESI conducted soil and groundwater investigations on a former MOSF and adjacent scrap yard. Projects involved soil remediation of both petroleum and PCB-contaminated soils and long-term groundwater monitoring. Both projects were classified as Voluntary Clean-Up projects by the NYSDEC and closure status was attained.

Sakmann Restaurant Corporation Site, Fort Montgomery, NY

Conducted Phase I Environmental Site Assessment and Phase II Subsurface Investigations for former filling station and automotive repair garage contaminated by solvent and waste-oil discharges to an on-site drywell.

Designed and implemented a sampling plan for soils impacted by chlorinated hydrocarbons, petroleum, and metals. Created Workplan (in coordination with the NYSDEC Voluntary Cleanup Program) for remediation of on-site contamination and long-term sampling of on-site groundwater monitoring wells.

Staten Island Marina Site, Staten Island, NY

Conducted Phase I Environmental Site Assessment and Phase II Subsurface Investigation for an active marine facility engaged in boat painting and engine maintenance activities. Coordinated the delineation of metals contamination over a three-acre area and analyzed potential impacts from on-site fill materials. Submitted remedial and budgetary analysis in support of regulatory agency approval for conversion of boatyard into a public park.

Octagon House Development Site, Roosevelt Island, NY

Conducted Phase I Environmental Site Assessment and Phase II Subsurface Investigations at the former site of a large, urban hospital. Interpreted the results of geotechnical studies, extended test pits, and conducted extensive soil sampling, to document subsurface soil conditions in support of client's application to the U.S. Housing and Urban Development Agency (HUD). Created Workplan (in coordination with the NYCDEP Office of Environmental Planning and Assessment) for site-wide remediation of contaminated soils and secured NYCDEP approval for site remediation as required by HUD.

Camp Glen Gray Boy Scout Facility, Mahwah, NJ

Conducted Phase I Environmental Site Assessment and Phase II Subsurface Investigations at an approximately 800-acre campground containing numerous structures. Documented subsurface soil conditions at the locations of aboveground and underground storage tanks, and delineated lead contamination at a former firing range. Assisted in design and implementation of remediation plans for removal of petroleum and lead contaminated soils, and obtained NJDEP approvals.

EDUCATION

SUNY at Stony Brook, Bachelor of Science - Biology, SUNY at Stony Brook *May 1992*
SUNY at Purchase, extensive studies in Environmental Science

PROFESSIONAL CERTIFICATIONS

OSHA Hazardous Waste Site Operations and Emergency Response (HAZWOPER) – 40 hr

PHASE II

ENVIRONMENTAL

SITE ASSESSMENT

33-35 Centre Avenue

City of New Rochelle

Westchester County, New York

January 24, 2018

WCD File: LN17112.20

Environmental & Construction Risk Management

24 Davis Ave., Poughkeepsie, NY 12603 T: 845-452-1658 F: 845-485-7083 wcdgroup.com

PHASE II

ENVIRONMENTAL

SITE ASSESSMENT

January 24, 2018

WCD File: LN17112.20

Prepared By:

WCD Group, LLC
24 Davis Avenue
Poughkeepsie, New York 12603

Prepared For:

The LJI Management Corp.
162 Washington Avenue
New Rochelle, New York 10801

The undersigned has reviewed this Phase II Environmental Site Assessment and certifies to The LJI Management Corp. that the information provided in this document is accurate as of the date of issuance by this office.

The undersigned is a Qualified Environmental Professional as defined by 6 NYCRR Part 375-1.2 (ak) and supporting documents. The undersigned possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding the presence of releases or threatened releases to the surface or subsurface of the site or off-site areas, sufficient to meet the objectives and performance factors for the areas of practice identified in NYSDEC guidance document DER-10.

Paul H. Ciminello January 24, 2018

Qualified Environmental Professional Date Signature

TABLE OF CONTENTS

1.0 INTRODUCTION 1

1.1 Purpose 1

1.2 Limitations 1

1.3 Site Location and Description 1

1.4 Previous Environmental Reports 1

2.0 SUBSURFACE INVESTIGATION 3

2.1 Summary of Services 3

2.2 Fieldwork Activities 3

2.2.1 Site Preparation Services 3

2.2.2 Fieldwork Methodology 3

2.3 Laboratory Analysis 5

2.3.1 Standards, Criteria and/or Guidance 5

2.3.2 Sample Submission 5

2.3.3 Laboratory Results 5

3.0 CONCLUSIONS AND RECOMMENDATIONS 7

APPENDICES

A Fieldwork Map

B Boring Logs

C Data Summary Tables

D Laboratory Report

1.0 INTRODUCTION

1.1 Purpose

This Phase II Environmental Site Assessment (Report) documents environmental fieldwork performed by WCD Group, LLC (WCD) at the property located at 33-35 Centre Avenue, New Rochelle, Westchester County, New York (Site). Fieldwork was performed to further investigate known and suspect contamination documented in previous investigations (see Section 1.4, below). The specific purpose of this Report is to summarize the work performed by WCD and WCD's subcontractors, and to suggest, if appropriate, further investigative and/or remedial options regarding identified on-site conditions.

This Report describes all fieldwork methodologies for the work conducted by WCD, includes discussions of the resulting analytical data from collected samples and provides conclusions and recommendations drawn from the fieldwork and analytical data.

1.2 Limitations

This written analysis summarizes the site characterization activities conducted on a specified portion of the above-referenced property and is not relevant to other portions of this property or any other property. It is a representation of those portions of the property analyzed as of the respective dates of fieldwork. This Report cannot be held accountable for activities or events resulting in contamination after the dates of fieldwork.

Services summarized in this Report were performed in accordance with generally accepted practices and established New York State Department of Environmental Conservation (NYSDEC) protocols. Unless specifically noted, the findings and conclusions contained herein must be considered not as scientific certainties, but as probabilities based on professional judgement.

1.3 Site Location and Description

The Site contains a one-story commercial building, currently used for electroplating operations. A Fieldwork Map indicating specific Site characteristics is provided in Appendix A.

1.4 Previous Environmental Reports

A Phase I Environmental Site Assessment (Phase I ESA) performed on the property by WCD in October 2017 identified significant commercial uses of the Site, including historical automotive repair, and current and historical electroplating operations (beginning in the early 1970s). These commercial uses were noted to have likely resulted in releases of petroleum, chlorinated solvents and/or metals to the subsurface.

Concurrent soil vapor sampling documented very high levels of the industrial chlorinated solvents trichloroethene (TCE, a compound likely to have been historically used at the subject

property) and trichloroethane (TCA), as well as relatively high levels of tetrachloroethene (PCE) and TCE/TCA breakdown products, consistent with a potential on-site contaminant source area (grossly contaminated soil and/or groundwater) beneath the building. Chemical staining and residue were observed on floors in the vicinity of the electroplating area, suggesting a high potential for subsurface metal contamination.

The Phase I ESA also identified an Inactive Hazardous Waste Disposal (IHWD) Site at the western adjoining property (Industrial Overall Services, a former dry cleaning facility), currently undergoing active investigation due to contamination from chlorinated volatile organic compounds (cVOCs). WCD reviewed a Remedial Investigation Report and Supplemental Remedial Investigation Report (collectively the "RIR"; issued in November 2016), which indicated that releases of PCE at the IHWD site (as well as at the adjoining Metro North Railroad property) had resulted in significant soil, soil vapor and groundwater contamination (groundwater impacts extend as far as 1,900 feet to downgradient locations to the southwest). Compounds found in contaminated media include TCE and other breakdown products of PCE. TCA, an industrial solvent generally used for degreasing operations unrelated to dry cleaning, was identified at high concentrations in monitoring wells located on Relyea Place (between the IHWD site and the subject property). Low levels of PCE and TCE (below NYSDEC groundwater standards) were detected in several monitoring wells located in the Centre Avenue sidewalk north of the subject property.

Figures presented in the RIR provide "interpreted" groundwater contours of cVOC contamination, indicating potential impacts from PCE, TCE and TCA beneath the building on the subject property. The RIR indicates that TCA contamination may have resulted from historical uses pre-dating the dry cleaning operations at the IHWD site, but states that the source of TCA in groundwater appears to be the result of an upgradient, off-site source.

2.0 SUBSURFACE INVESTIGATION

2.1 Summary of Services

WCD coordinated and supervised the extension of six soil borings at the Site and conversion of three borings to temporary groundwater monitoring wells, and collected soil and groundwater samples to document the presence or absence of contamination. This Report is divided into individual sections that document fieldwork methodology (Section 2.2) and laboratory results (Section 2.3), and present WCD's conclusions and recommendations (Section 3.0). A map indicating all fieldwork locations and selected Site features is provided in Appendix A.

2.2 Fieldwork Activities

2.2.1 Site Preparation Services

WCD requested a complete utility markout (as required by New York State Department of Labor regulations) and on-site personnel reviewed the markout and underground utility locations prior to the initiation of fieldwork.

2.2.2 Fieldwork Methodology

General Protocols

All encountered material was screened with a properly calibrated MiniRAE 3000 (Model PGM 7320) photo-ionization detector (PID) for the presence of any volatile organic vapors where appropriate. WCD described all encountered media in field log books, including specific characteristics, the presence of foreign materials, and field and instrument indications of contamination (e.g., staining, odors, PID readings). Soil boring logs are provided in Appendix B.

WCD collected samples in general conformance with NYSDEC and NYSDOH fieldwork protocols. All field personnel wore dedicated, disposable gloves during relevant fieldwork activities, and any non-dedicated sampling instruments were decontaminated prior to media collection.

All samples were collected into appropriately-sized containers provided by the laboratory (with preservatives as required for the specific analysis), and were maintained at proper temperatures (using ice-packs and coolers as needed) while in WCD's custody. Samples were transported the following day via courier to York Analytical Laboratories, Inc., a New York State Department of Health-certified laboratory (ELAP Certification Number 10854), for chemical analyses. Appropriate chain-of-custody procedures were followed.

Extension of Soil Borings

Six soil borings were extended on December 27, 2017. Borings were extended inside the building near formerly installed soil vapor implants. Boring SB-01 was located in the partial basement (SB-01), approximately 8-10 feet below the starting grade of the remaining five boring

locations. Borings SB-02 and SB-03 were located at the southwestern portion of the building and borings SB-04 and SB-05 were located at the northeastern portion.

Borings SB-02 through SB-06 were extended by personnel from Core Down Drilling using a track-mounted Geoprobe direct-push corer equipped with disposable acetate sleeves (used to prevent the cross contamination of soil samples). Soil was recovered at each mechanized boring location at intervals of 4 feet until refusal was reached (maximum refusal depth at the mechanized locations was 12.5 feet bsg). Boring SB-01 was extended using a hand-held Geoprobe direct-push corer (also equipped with disposable acetate sleeves). Soil was recovered at the manual boring location at intervals of 2 feet until refusal was reached.

Subsurface soils encountered beneath the on-site building during the extension of the soil borings generally consisted of less than 1 foot of likely fill materials, consisting of variable color, variable texture sands, silts, and clays with some gravel and minimal debris (metal, rock, asphalt, brick), overlying brown sands with some rock fragments.

Field evidence of contamination (elevated PID readings and mild to moderate chemical odors) was noted at all borings except SB-01. Contamination was noted at borings SB-02 and SB-03 between approximately 9-13' bsg and at SB-04 through SB-06 between approximately 1-5' bsg.

Saturated soils were encountered during the extension of borings SB-01 and SB-03 at or near the surface (beneath the building slab) and at SB-02 at approximately 12' bsg.

Soil samples were collected directly from the acetate sleeves utilizing clean, disposable equipment. Soil collection for VOC analysis was conducted according to USEPA Method 5035 fieldwork protocols, utilizing laboratory sampling kits.

Temporary Monitoring Well Installation, Development and Sampling

Soil borings SB-01 through SB-03 were completed as temporary monitoring wells TGW-01 through TGW-03, respectively. Each well was constructed of one-inch PVC casing and 0.01-inch slotted PVC well screening. TGW-01 was installed to 3.5' bsg and TGW-02 and TGW-03 were installed to 12.5' and 12' bsg (well screen from 7.5-12.5' and from 7'-12', respectively).

The wells were allowed to stabilize for at least 30 minutes following installation. The approximate volumes of groundwater in the wells were calculated (based on well depths and depth to water measurements) and at least one purge volume of water (three times the static well volume) was removed before groundwater samples were collected, using dedicated bailers for each well. No groundwater samples were filtered prior to submission to the laboratory.

A moderate "sweet" odor was noted at TGW-03 (no other field evidence of contamination was observed).

2.3 Laboratory Analysis

2.3.1 Standards, Criteria and/or Guidance

Soil

Laboratory results for organic compounds and metals detected in soils are compared to NYSDEC Remedial Program Soil Cleanup Objectives (SCOs) for Unrestricted Use (UU) and Restricted-Residential Use (RRU) as provided in 6 NYCRR Subpart 375, Tables 375-6.8(a) and 375-6.8(b), and (as needed) Soil Cleanup Levels (for gasoline and fuel oil contaminated Soils) presented in NYSDEC CP-51 (Soil Cleanup Guidance, October 2010) Tables 2 through 3.

Groundwater

Laboratory results for all compounds detected in water are compared to NYSDEC Division of Water Ambient Water Quality Standards and Guidance Values (AWQS), provided in Technical and Operational Guidance Series 1.1.1.

2.3.2 Sample Submission

Submission of samples for laboratory analysis was based on observations made by WCD personnel during the extension of the soil borings, including the presence or absence of elevated PID readings, unusual odors, discoloration, or, any other unusual patterns.

Sample Type	Sample ID(s)	Laboratory Analysis
Soil	SB-01 (3.5'), SB-02 (12'), SB-03 (5'), SB-03 (12'), SB-04 (3'), SB-05 (5'), SB-06 (4')	VOCs
	SB-01 (2.5'-3.5'), SB-02 (11'-12.5'), SB-03 (4'-6'), SB-03 (10'-12'), SB-04 (3'-3.5'), SB-05 (4'-5'), SB-06 (4'-5')	Polycyclic aromatic hydrocarbons (PAHs), TAL metals
Groundwater	TGW-01, TGW-02, TGW-03	VOCs
USEPA methodologies: VOCs (8260), PAHs (8270), metals (6010/7473)		

2.3.3 Laboratory Results

A summary of the results of the laboratory analyses is presented below. Results are referenced as parts per million (ppm, equivalent to milligrams per kilogram) for soil and parts per billion (ppb, nominally equivalent to micrograms per liter) for groundwater. Data summary tables and the laboratory report are provided as Appendices C and D, respectively.

SOIL

VOCs

An elevated concentration of 1,4-dioxane (16 ppm, RRU SCO 13 ppm, UU SCO 0.1 ppm) was detected at SB-05 5'. 1,4-dioxin was detected at the UU SCO at SB-06 4' and at a low-level (0.079 ppm) at SB-03 12'. [Note: 1,4-Dioxane has historically been used as a stabilizer and corrosion inhibitor for chlorinated solvents, particularly 1,1,1-TCA.]

Elevated concentrations of TCE (UU SCO 0.47 ppm) were detected at SB-03 12' (1.0 ppm) and SB-06 4' (0.56 ppm). Trace- to low-level concentrations of TCE were also detected at SB-01 3.5', SB-02 12', SB-04 3' and SB-05 5'.

Trace- to low-level concentrations of TCA and several other solvents were detected in multiple soil samples.

PAHs

Trace- to low-level concentrations of several PAHs were detected at SB-01 2.5-3.5' and SB-03 10-12'. No other PAHs were detected.

TAL Metals

Elevated metals were detected in all samples. Notable peak concentrations included chromium (RRU SCO 180 ppm) at SB-02 11'-12.5' (269 ppm) and nickel (RRU SCO 310 ppm) at SB-02 11'-12.5' (2,770 ppm).

GROUNDWATER

VOCs

Significantly elevated concentrations of cVOCs and related breakdown products were detected in the groundwater samples (AWQS 5 ppb for all noted VOCs), including TCE (peak 15,000 ppb at TGW-03), TCA (peak 930 ppb at TGW-03), 1,1-dichloroethane (DCA; peak 29 ppb at TGW-02), 1,1-dichloroethylene (1,1-DCE, peak 87 ppb at TGW-03) and PCE (peak 22 ppb at TGW-03). Low-level concentrations of several other VOCs were detected in the samples.

3.0 CONCLUSIONS AND RECOMMENDATIONS

This office has completed the services summarized in Section 2.0 on specified portions of the property, located at 33-35 Centre Avenue, New Rochelle, Westchester County, New York. Services included the extension of six soil borings, installation of three temporary groundwater monitoring wells, and the collection of soil and groundwater samples to further investigate known and suspect contamination from on-site operations (electroplating) and historical commercial uses, and possible impacts from an off-site former dry cleaning facility.

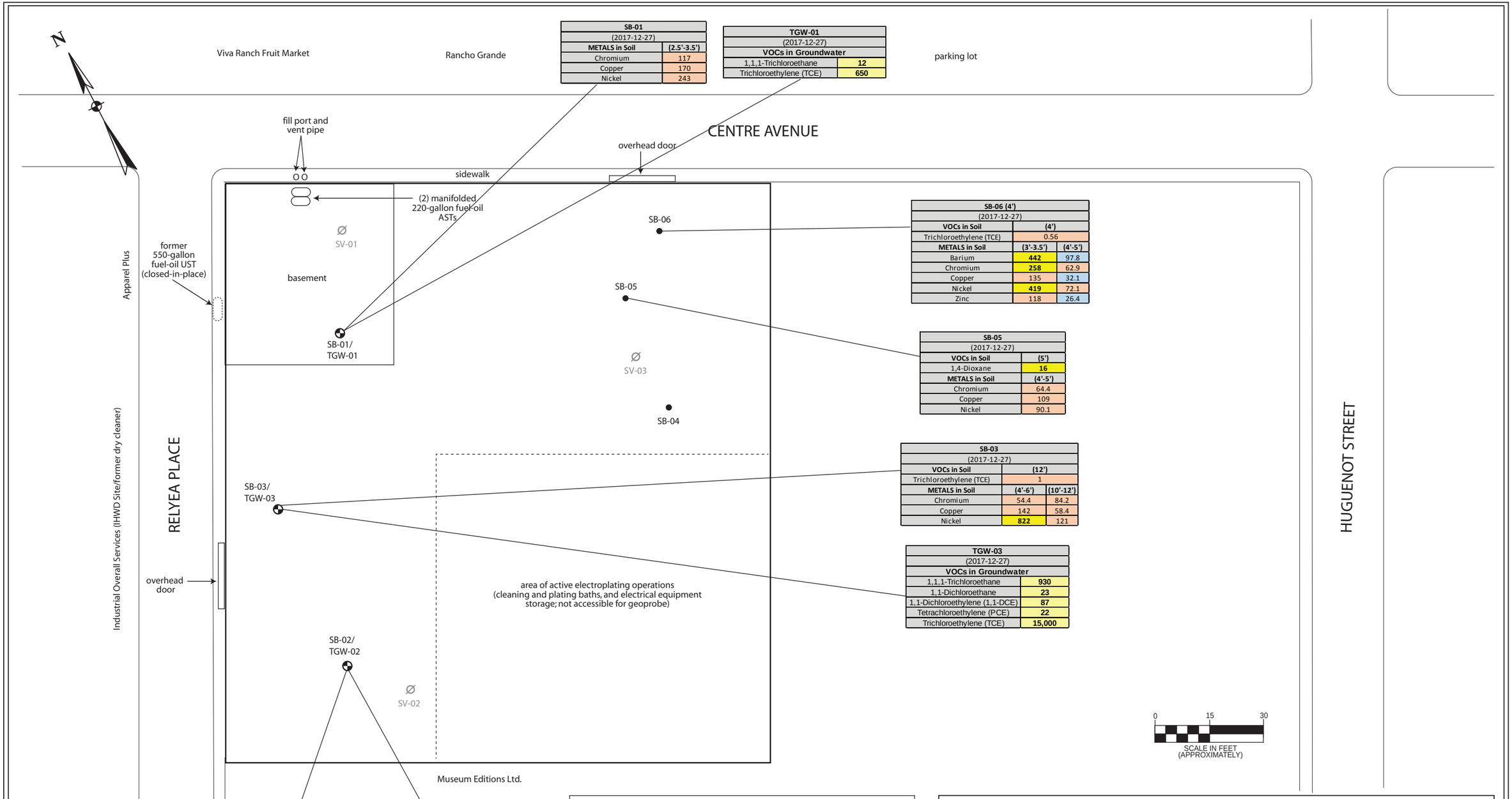
Based on the services provided and data generated, the following conclusions and recommendations (in **bold**) have been made.

Groundwater at the western portion of the Site is significantly impacted by chlorinated VOCs (cVOCs), including trichloroethene (TCE, a compound likely to have been historically used at the subject property) and 1,1,1-trichloroethane (TCA), and their breakdown products. Low levels of TCE and TCA were detected in on-site soils above and at the groundwater interface, and 1,4-dioxane, a stabilizer/corrosion inhibitor commonly added to TCA and other cVOCs, was detected at elevated concentrations in several samples. These findings are consistent with previous site investigation data that document very high levels of TCE and TCA in sub-slab soil vapor, and support the conclusion that releases of cVOCs have occurred at the subject property. The presence of elevated levels of metals in Site soils, notably chromium and nickel, is likely to be related to releases from on-site electroplating operations.

It is recommended that additional investigation be conducted to fully document and delineate on-site contamination. Consideration should be given enrolling the site in the New York State Brownfield Cleanup Program.

APPENDIX A

Fieldwork Map



SB-01 (2017-12-27)	
METALS in Soil	**(2.5'-3.5')**
Chromium	117
Copper	170
Nickel	243

TGW-01 (2017-12-27)	
VOCs in Groundwater	
1,1,1-Trichloroethane	**12**
Trichloroethylene (TCE)	**650**

SB-06 (4') (2017-12-27)		
VOCs in Soil	**(4')**	
Trichloroethylene (TCE)	0.56	
METALS in Soil	**(3'-3.5')**	**(4'-5')**
Barium	**442**	97.8
Chromium	**258**	62.9
Copper	135	32.1
Nickel	**419**	72.1
Zinc	118	26.4

SB-05 (2017-12-27)	
VOCs in Soil	**(5')**
1,4-Dioxane	**16**
METALS in Soil	**(4'-5')**
Chromium	64.4
Copper	109
Nickel	90.1

SB-03 (2017-12-27)		
VOCs in Soil	**(12')**	
Trichloroethylene (TCE)	1	
METALS in Soil	**(4'-6')**	**(10'-12')**
Chromium	54.4	84.2
Copper	142	58.4
Nickel	**822**	121

TGW-03 (2017-12-27)	
VOCs in Groundwater	
1,1,1-Trichloroethane	**930**
1,1-Dichloroethane	**23**
1,1-Dichloroethylene (1,1-DCE)	**87**
Tetrachloroethylene (PCE)	**22**
Trichloroethylene (TCE)	**15,000**

SB-02 (2017-12-27)	
METALS in Soil	**(11'-12.5')**
Chromium	**269**
Copper	223
Nickel	**2,770**
Zinc	389

TGW-02 (2017-12-27)	
VOCs in Groundwater	
1,1,1-Trichloroethane	**97**
1,1-Dichloroethane	**29**
1,1-Dichloroethylene (1,1-DCE)	**18**
Tetrachloroethylene (PCE)	**20**
Trichloroethylene (TCE)	**1,500**

Legend:

- Ø soil vapor sample location (October 2017)
- monitoring well/soil boring location
- soil boring location

All soil data in mg/Kg (ppm)
Analyte Detected
Analyte Above UUSCO
Analyte Above RRUSCO

All groundwater data in µg/L (parts per billion, ppb)
Concentrations above AWQS

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

Fieldwork Map

33-35 Centre Avenue
City of New Rochelle
Westchester County, New York

WCD GROUP "For pivotal matters."

WCD File: LN17112.10

Scale as shown

January 2018 | Appendix A

APPENDIX B

Boring Logs

Soil Boring Log

SB-01 (Sheet 1 of 1)	33-35 Centre Avenue New Rochelle, Westchester County, New York	WCD File LN17112.20
	Date: 2017-12-27 Driller (Rig) Manual Geoprobe, 2' macro-core	
	WCD Staff: C. Siegrist Weather: Sunny, 20s F	

Boring Interval (recovery)	Surface Material: Concrete Slab Soil / Material Description	Moisture	PID (ppm)	Odors	Staining	NAPL	Samples Collected
0 – 2' (30%)	Medium brown, silty SAND ****** Saturated at 0' *****	Wet	0.8	ND	ND	ND	
2 – 4' (75%)	Medium brown, silty SAND ****** End of Boring at 3.5' (refusal) *****	Wet	0.2	ND	ND	ND	

Notes

Fill Materials

No obvious fill materials encountered

Field Evidence of Contamination

Not encountered

Saturated Soils

0 – 3.5' (water immediately seeped up through borehole after the concrete floor was breached)

Field Notes

Installed temporary monitoring well TGW-01 to 3.5' bsg

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

SB-02 (Sheet 1 of 1)	33-35 Centre Avenue New Rochelle, Westchester County, New York	WCD File LN17112.20
	Date: 2017-12-27 Driller (Rig) Core Down Drilling (Geoprobe, 4' macro-core)	
	WCD Staff: C. Siegrist Weather: Sunny, 20s F	

Boring Interval (recovery)	Surface Material: Concrete Slab Soil / Material Description	Moisture	PID (ppm)	Odors	Staining	NAPL	Samples Collected
0 – 4' (75%)	Weathered concrete, rock and asphalt	Moist	0.0	ND	ND	ND	
	Variable color, variable texture SAND	Moist	0.0	ND	ND	ND	
	Light brown, sandy SILT with some clay patches	Moist	0.0	ND	ND	ND	
4 – 8' (100%)	Medium brown, SAND with some gravel, silt and clay patches	Dry-moist	0.0	ND	ND	ND	
8 – 12' (100%)	Dark-light brown, SAND	Moist	4.7	ND	ND	ND	
	Yellow/brown, SAND	Moist	14.2	Faint	ND	ND	
12 – 16' (20%)	Dark brown, SAND	Wet	14.0	Faint	ND	ND	
	****** Saturated at 12' *****						
	****** End of Boring at 12.5' (refusal) *****						

Notes

Fill Materials

~0 – 1'

Field Evidence of Contamination

Slightly elevated PID readings, faint chemical odors from ~9 – 12.5'

Saturated Soils

12 – 12.5'

Field Notes

Installed temporary monitoring well TGW -02 to 12.5' bsg

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

SB-03 (Sheet 1 of 1)	33-35 Centre Avenue New Rochelle, Westchester County, New York	WCD File LN17112.20
	Date: 2017-12-27	Driller (Rig): Core Down Drilling (Geoprobe, 4' macro-core)
	WCD Staff: C. Siegrist	Weather: Sunny, 20s F

Boring Interval (Recovery)	Surface Material: Concrete Slab Soil / Material Description	Moisture	PID (ppm)	Odors	Staining	NAPL	Samples Collected
0 – 4' (60%)	Medium brown, CLAY with metal fragments (to 4") and some silt patches	Wet	0.1	ND	ND	ND	
	Gray, CLAY	Wet	0.0	ND	ND	ND	
4 – 8' (100%)	Gray/orange/brown, CLAY	Wet	0.0	Yes	ND	ND	
	Medium brown, SAND with some silt/clay patches, trace rock (5-8')	Moist	0.0	ND	ND	ND	
8 – 12' (100%)	Medium brown, silty SAND with some clay	Moist	0.0	ND	ND	ND	
	Light brown/orange, SAND	Moist	45.2	ND	ND	ND	
	yellow/brown SAND	Moist	79.9	Yes	ND	ND	
	****** End of Boring at 12' *****						

Notes

Fill Materials

~0 – 1'

Field Evidence of Contamination

Elevated PID readings, chemical odors (sweet) from ~10 – 12'

Saturated Soils

0 – 6'

Field Notes

Installed temporary monitoring well TGW-03 to 12' bsg

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

SB-04 (Sheet 1 of 1)	33-35 Centre Avenue New Rochelle, Westchester County, New York	WCD File LN17112.20
	Date: 2017-12-27 Driller (Rig) Core Down Drilling (Geoprobe, 4' macro-core)	
	WCD Staff: C. Siegrist Weather: Sunny, 20s F	

Boring Interval (recovery)	Surface Material: Concrete Slab Soil / Material Description	Moisture	PID (ppm)	Odors	Staining	NAPL	Samples Collected
0 – 4' (75%)	Black, SAND	Moist	0.0	ND	ND	ND	
	Medium brown/gray, CLAY with some silt	Moist	37.9	ND	ND	ND	
	Dark brown, SAND with some gravel	Moist	65.0	Faint	ND	ND	
	****** End of Boring at 4' (refusal) *****						

Notes

Fill Materials

~0 – 1'

Field Evidence of Contamination

Elevated PID readings, faint chemical odor from ~0.5 – 4'

Saturated Soils

Not encountered

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

SB-05 (Sheet 1 of 1)	33-35 Centre Avenue New Rochelle, Westchester County, New York	WCD File LN17112.20
	Date: 2017-12-27 Driller (Rig) Core Down Drilling (Geoprobe, 4' macro-core)	
	WCD Staff: C. Siegrist Weather: Sunny, 20s F	

Boring Interval (Recovery)	Surface Material: Concrete Slab Soil / Material Description	Moisture	PID (ppm)	Odors	Staining	NAPL	Samples Collected
0 – 4' (75%)	Gray/brown/black, SAND with some gravel	Dry	46	ND	ND	ND	
	Dark brown/white, SAND	Dry	162	Yes	ND	ND	
4 – 8' (80%)	Gray/white/brown/black, SAND with some gravel	Dry	172	Yes	ND	ND	
	Light brown, SAND with rock fragments	Dry	45	ND	ND	ND	
	****** End of Boring at 6' (refusal) *****						

Notes

Fill Materials

No obvious fill materials encountered

Field Evidence of Contamination

Elevated PID readings, chemical odor from ~4 – 5'

Saturated Soils

Not encountered

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

SB-06 (Sheet 1 of 1)	33-35 Centre Avenue New Rochelle, Westchester County, New York	WCD File LN17112.20
	Date: 2017-12-27 Driller (Rig) Core Down Drilling (Geoprobe, 4' macro-core)	
	WCD Staff: C. Siegrist Weather: Sunny, 20s F	

Boring Interval (recovery)	Surface Material: Concrete Slab Soil / Material Description	Moisture	PID (ppm)	Odors	Staining	NAPL	Samples Collected
0 – 4' (85%)	Brown/orange, CLAY with some SILT	Dry	1.4	ND	ND	ND	
	Brown/orange, SAND	Dry	35	Faint	ND	ND	
5 – 10' (75%)	Brown/orange, SAND	Dry	30.5	Faint	ND	ND	
	Brown/orange, SAND with rock fragments	Dry	0.8	ND	ND	ND	
	****** End of Boring at 7.5' (refusal) *****						

Notes

Fill Materials

No obvious fill materials encountered

Field Evidence of Contamination

Elevated PID readings, faint chemical odor from ~4 – 5'

Saturated Soils

Not encountered

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

APPENDIX C

Data Summary Tables

Table 1: VOCs in Soils

WCD File: LN17112.20

All data in mg/Kg (ppm)		**Sample ID**	**SB-01 (3.5')**		**SB-02 (12')**		**SB-03 (5')**		**SB-03 (12')**	
U= Not Detected ≥ indicated value		Sample Date	(2017-12-27)		(2017-12-27)		(2017-12-27)		(2017-12-27)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		100	
VOCs, 8260	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
1,1,1-Trichloroethane	0.68	100	0.0026	*J*	0.0025	*U*	0.0023	*U*	0.059	
1,1,2,2-Tetrachloroethane	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
1,1,2-Trichloroethane	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
1,1-Dichloroethane	0.27	26	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.004	*J*
1,2,3-Trichlorobenzene	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
1,2,3-Trichloropropane	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
1,2-Dibromoethane	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
1,2-Dichlorobenzene	1.1	100	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
1,2-Dichloroethane	0.02	3.1	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
1,2-Dichloropropane	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
1,3-Dichlorobenzene	2.4	49	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
1,4-Dichlorobenzene	1.8	13	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
1,4-Dioxane	0.1	13	0.037	*U*	0.05	*U*	0.045	*U*	0.079	*J*
2-Butanone (MEK)	0.12	100	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
2-Hexanone	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
4-Methyl-2-pentanone	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Acetone	0.05	100	0.0037	*U*	0.005	*U*	0.0045	*U*	0.0048	*U*
Acrolein	NA	NA	0.0037	*U*	0.005	*U*	0.0045	*U*	0.0048	*U*
Acrylonitrile	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Benzene	0.06	4.8	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Bromochloromethane	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Bromodichloromethane	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Bromoform	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Bromomethane	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Carbon disulfide	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Carbon tetrachloride	0.76	2.4	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Chlorobenzene	1.1	100	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Chloroethane	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Chloroform	0.37	49	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Chloromethane	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Cyclohexane	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Dibromochloromethane	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Dibromomethane	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Dichlorodifluoromethane	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Ethyl Benzene	1	41	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Hexachlorobutadiene	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Isopropylbenzene	2.3	100	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Methyl acetate	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Methylcyclohexane	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Methylene chloride	0.05	100	0.0037	*U*	0.005	*U*	0.0053	*J*	0.0059	*J*
n-Butylbenzene	12	100	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
n-Propylbenzene	3.9	100	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
o-Xylene	0.26	100	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
p- & m- Xylenes	0.26	100	0.0037	*U*	0.005	*U*	0.0045	*U*	0.0048	*U*
p-Isopropyltoluene	10	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
sec-Butylbenzene	11	100	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Styrene	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
tert-Butyl alcohol (TBA)	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
tert-Butylbenzene	5.9	100	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Tetrachloroethylene (PCE)	1.3	19	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Toluene	0.7	100	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Trichloroethylene (TCE)	0.47	21	0.12		0.0073		0.0023	*U*	1	*D*
Trichlorofluoromethane	NA	NA	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Vinyl chloride (VC)	0.02	0.9	0.0019	*U*	0.0025	*U*	0.0023	*U*	0.0024	*U*
Xylenes, Total	0.26	100	0.0056	*U*	0.0074	*U*	0.0068	*U*	0.0073	*U*

Analyte Detected

Analyte Above UUSCO

Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

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

Table 1: VOCs in Soils

WCD File: LN17112.20

All data in mg/Kg (ppm)		**Sample ID**	**SB-04 (3')**		**SB-05 (5')**		**SB-06 (4')**	
U= Not Detected ≥ indicated value		Sample Date	(2017-12-27)		(2017-12-27)		(2017-12-27)	
Data above SCOs shown in **Bold**		Dilution Factor	1		100		100	
VOCs, 8260	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
1,1,1-Trichloroethane	0.68	100	0.01		0.0079		0.03	
1,1,2,2-Tetrachloroethane	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
1,1,2-Trichloroethane	NA	NA	0.0027	*U*	0.0046		0.0024	*U*
1,1-Dichloroethane	0.27	26	0.0027	*U*	0.0023	*U*	0.0024	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0027	*U*	0.0023	*U*	0.0024	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
1,2,3-Trichloropropane	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0027	*U*	0.0023	*U*	0.0024	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
1,2-Dibromoethane	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
1,2-Dichlorobenzene	1.1	100	0.0027	*U*	0.0023	*U*	0.0024	*U*
1,2-Dichloroethane	0.02	3.1	0.0027	*U*	0.0023	*U*	0.0024	*U*
1,2-Dichloropropane	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0027	*U*	0.0023	*U*	0.0024	*U*
1,3-Dichlorobenzene	2.4	49	0.0027	*U*	0.0023	*U*	0.0024	*U*
1,4-Dichlorobenzene	1.8	13	0.0027	*U*	0.0023	*U*	0.0024	*U*
1,4-Dioxane	0.1	13	0.055	*U*	**16**	*D*	0.1	
2-Butanone (MEK)	0.12	100	0.0027	*U*	0.0023	*U*	0.0024	*U*
2-Hexanone	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
4-Methyl-2-pentanone	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
Acetone	0.05	100	0.0055	*U*	0.0046	*U*	0.0048	*U*
Acrolein	NA	NA	0.0055	*U*	0.0046	*U*	0.0048	*U*
Acrylonitrile	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
Benzene	0.06	4.8	0.0027	*U*	0.0023	*U*	0.0024	*U*
Bromochloromethane	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
Bromodichloromethane	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
Bromoform	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
Bromomethane	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
Carbon disulfide	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
Carbon tetrachloride	0.76	2.4	0.0027	*U*	0.0023	*U*	0.0024	*U*
Chlorobenzene	1.1	100	0.0027	*U*	0.0023	*U*	0.0024	*U*
Chloroethane	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
Chloroform	0.37	49	0.0027	*U*	0.0023	*U*	0.0024	*U*
Chloromethane	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0027	*U*	0.0023	*U*	0.0024	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
Cyclohexane	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
Dibromochloromethane	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
Dibromomethane	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
Dichlorodifluoromethane	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
Ethyl Benzene	1	41	0.0027	*U*	0.0023	*U*	0.0024	*U*
Hexachlorobutadiene	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
Isopropylbenzene	2.3	100	0.0027	*U*	0.0023	*U*	0.0024	*U*
Methyl acetate	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0027	*U*	0.0023	*U*	0.0024	*U*
Methylcyclohexane	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
Methylene chloride	0.05	100	0.0078	*J*	0.0071	*J*	0.0052	*J*
n-Butylbenzene	12	100	0.0027	*U*	0.0023	*U*	0.0024	*U*
n-Propylbenzene	3.9	100	0.0027	*U*	0.0023	*U*	0.0024	*U*
o-Xylene	0.26	100	0.0027	*U*	0.0023	*U*	0.0024	*U*
p- & m- Xylenes	0.26	100	0.0055	*U*	0.0046	*U*	0.0048	*U*
p-Isopropyltoluene	10	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
sec-Butylbenzene	11	100	0.0027	*U*	0.0023	*U*	0.0024	*U*
Styrene	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
tert-Butyl alcohol (TBA)	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
tert-Butylbenzene	5.9	100	0.0027	*U*	0.0023	*U*	0.0024	*U*
Tetrachloroethylene (PCE)	1.3	19	0.0027	*U*	0.0023	*U*	0.0024	*U*
Toluene	0.7	100	0.0027	*U*	0.0023	*U*	0.0024	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0027	*U*	0.0023	*U*	0.0024	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
Trichloroethylene (TCE)	0.47	21	0.1		0.22	*E*	0.56	*D*
Trichlorofluoromethane	NA	NA	0.0027	*U*	0.0023	*U*	0.0024	*U*
Vinyl chloride (VC)	0.02	0.9	0.0027	*U*	0.0023	*U*	0.0024	*U*
Xylenes, Total	0.26	100	0.0082	*U*	0.0069	*U*	0.0072	*U*

Analyte Detected

Analyte Above UUSCO

Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

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

Table 2: PAHs in Soils

WCD File: LN17112.20

All data in mg/Kg (ppm)		**Sample ID**	**SB-01 (2.5'-3.5')**		**SB-02 (11'-12.5')**		**SB-03 (4'-6')**	
U= Not Detected ≥ indicated value		Sample Date	(2017-12-27)		(2017-12-27)		(2017-12-27)	
Data above SCOs shown in **Bold**		Dilution Factor	2		2		2	
SVOCs, 8270	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
2-Methylnaphthalene	NA	NA	0.0481	*U*	0.0476	*U*	0.0501	*U*
Acenaphthene	20	100	0.0481	*U*	0.0476	*U*	0.0501	*U*
Acenaphthylene	100	100	0.0481	*U*	0.0476	*U*	0.0501	*U*
Anthracene	100	100	0.0481	*U*	0.0476	*U*	0.0501	*U*
Benzo(a)anthracene	1	1	0.0481	*U*	0.0476	*U*	0.0501	*U*
Benzo(a)pyrene	1	1	0.0481	*U*	0.0476	*U*	0.0501	*U*
Benzo(b)fluoranthene	1	1	0.0481	*U*	0.0476	*U*	0.0501	*U*
Benzo(g,h,i)perylene	100	100	0.0481	*U*	0.0476	*U*	0.0501	*U*
Benzo(k)fluoranthene	0.8	3.9	0.0481	*U*	0.0476	*U*	0.0501	*U*
Chrysene	1	3.9	0.0481	*U*	0.0476	*U*	0.0501	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.0481	*U*	0.0476	*U*	0.0501	*U*
Fluoranthene	100	100	0.0752	*JD*	0.0476	*U*	0.0501	*U*
Fluorene	30	100	0.0481	*U*	0.0476	*U*	0.0501	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.0491	*JD*	0.0476	*U*	0.0501	*U*
Naphthalene	12	100	0.0481	*U*	0.0476	*U*	0.0501	*U*
Phenanthrene	100	100	0.0481	*U*	0.0476	*U*	0.0501	*U*
Pyrene	100	100	0.0637	*JD*	0.0476	*U*	0.0501	*U*

Analyte Detected

Analyte Above UUSCO

Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

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

Table 2: PAHs in Soils

WCD File: LN17112.20

All data in mg/Kg (ppm)		**Sample ID**	**SB-03 (10'-12')**		**SB-04 (3'-3.5')**		**SB-05 (4'-5')**		**SB-06 (4'-5')**	
U= Not Detected ≥ indicated value		Sample Date	(2017-12-27)		(2017-12-27)		(2017-12-27)		(2017-12-27)	
Data above SCOs shown in **Bold**		Dilution Factor	2		2		2		2	
SVOCs, 8270	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
2-Methylnaphthalene	NA	NA	0.0505	*U*	0.047	*U*	0.0469	*U*	0.0468	*U*
Acenaphthene	20	100	0.0505	*U*	0.047	*U*	0.0469	*U*	0.0468	*U*
Acenaphthylene	100	100	0.0505	*U*	0.047	*U*	0.0469	*U*	0.0468	*U*
Anthracene	100	100	0.0505	*U*	0.047	*U*	0.0469	*U*	0.0468	*U*
Benzo(a)anthracene	1	1	0.0505	*U*	0.047	*U*	0.0469	*U*	0.0468	*U*
Benzo(a)pyrene	1	1	0.0505	*U*	0.047	*U*	0.0469	*U*	0.0468	*U*
Benzo(b)fluoranthene	1	1	0.0505	*U*	0.047	*U*	0.0469	*U*	0.0468	*U*
Benzo(g,h,i)perylene	100	100	0.0505	*U*	0.047	*U*	0.0469	*U*	0.0468	*U*
Benzo(k)fluoranthene	0.8	3.9	0.0505	*U*	0.047	*U*	0.0469	*U*	0.0468	*U*
Chrysene	1	3.9	0.0505	*U*	0.047	*U*	0.0469	*U*	0.0468	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.0505	*U*	0.047	*U*	0.0469	*U*	0.0468	*U*
Fluoranthene	100	100	0.0975	*JD*	0.047	*U*	0.0469	*U*	0.0468	*U*
Fluorene	30	100	0.0505	*U*	0.047	*U*	0.0469	*U*	0.0468	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.0505	*U*	0.047	*U*	0.0469	*U*	0.0468	*U*
Naphthalene	12	100	0.0505	*U*	0.047	*U*	0.0469	*U*	0.0468	*U*
Phenanthrene	100	100	0.0505	*U*	0.047	*U*	0.0469	*U*	0.0468	*U*
Pyrene	100	100	0.0693	*JD*	0.047	*U*	0.0469	*U*	0.0468	*U*

Analyte Detected

Analyte Above UUSCO

Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

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

Table 3: TAL Metals in Soils
WCD File: LN17112.20

All data in mg/Kg (ppm)		**Sample ID**	**SB-01 (2.5'-3.5')**		**SB-02 (11'-12.5')**		**SB-03 (4'-6")**		**SB-03 (10'-12')**	
U= Not Detected ≥ indicated value		Sample Date	(2017-12-27)		(2017-12-27)		(2017-12-27)		(2017-12-27)	
Data above SCOs shown in **Bold**		Dilution Factor	1		20		1		1	
Metals, 6010 and 7473	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	8,170		23,300		15,000		11,000	
Antimony	NA	NA	2.78		6.6		2.06		2.57	
Arsenic	13	16	1.48		1.17		3.62		1.21	*U*
Barium	350	400	68.4		259		84.9		94.7	
Beryllium	7.2	72	0.116	*U*	0.114	*U*	0.12	*U*	0.121	*U*
Cadmium	2.5	4.3	0.348	*U*	0.343	*U*	0.361	*U*	0.363	*U*
Calcium	NA	NA	1,750		1,170		9,420		502	
Chromium	30	180	117		**269**		54.4		84.2	
Cobalt	NA	NA	20		32.3		15.4		10.6	
Copper	50	270	170	*B*	223	*B*	142	*B*	58.4	*B*
Iron	NA	NA	14,800		32,600		29,800		17,100	
Lead	63	400	14.1		5.8		13.9		3.15	
Magnesium	NA	NA	2,800		11,400		8,150		5,330	
Manganese	1,600	2,000	546		826		189		368	
Mercury	0.18	0.81	0.0348	*U*	0.0343	*U*	0.0361	*U*	0.0363	*U*
Nickel	30	310	243		**2,770**		**822**		121	
Potassium	NA	NA	2,170	*B*	29,700	*BD*	2,840	*B*	4,250	*B*
Selenium	3.9	180	1.55		2.3		3		1.82	
Silver	2	180	0.579	*U*	0.571	*U*	0.601	*U*	0.605	*U*
Sodium	NA	NA	192	*B*	523	*B*	817	*B*	904	*B*
Thallium	NA	NA	1.16	*U*	1.14	*U*	1.2	*U*	1.21	*U*
Vanadium	NA	NA	17.6		56.7		45		22.3	
Zinc	109	10,000	42.4		389		80		39	

Analyte Detected
Analyte Above UUSCO
Analyte Above RRUSCO

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

Table 3: TAL Metals in Soils

WCD File: LN17112.20

All data in mg/Kg (ppm)		**Sample ID**	**SB-04 (3'-3.5')**		**SB-05 (4'-5')**		**SB-06 (4'-5')**	
U= Not Detected ≥ indicated value		Sample Date	(2017-12-27)		(2017-12-27)		(2017-12-27)	
Data above SCOs shown in **Bold**		Dilution Factor	10		1		1	
Metals, 6010 and 7473	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	34,900		23,300		11,100	
Antimony	NA	NA	7.9		3.28		1.81	
Arsenic	13	16	1.28		1.13	*U*	1.12	*U*
Barium	350	400	**442**		241		97.8	
Beryllium	7.2	72	0.113	*U*	0.113	*U*	0.112	*U*
Cadmium	2.5	4.3	1.02		0.834		0.336	*U*
Calcium	NA	NA	113		7,860		1,060	
Chromium	30	180	**258**		64.4		62.9	
Cobalt	NA	NA	33		26.2		13.3	
Copper	50	270	135	*B*	109	*B*	32.1	*B*
Iron	NA	NA	27,000	*D*	19,900	*D*	17,200	
Lead	63	400	5.16		4.74		3.75	
Magnesium	NA	NA	21,000		10,900		6,400	
Manganese	1,600	2,000	656		762		628	
Mercury	0.18	0.81	0.0338	*U*	0.0338	*U*	0.0336	*U*
Nickel	30	310	**419**		90.1		72.1	
Potassium	NA	NA	8,430	*BD*	6,760	*BD*	2,500	*B*
Selenium	3.9	180	2.96		2.53		1.19	
Silver	2	180	0.563	*U*	0.563	*U*	0.56	*U*
Sodium	NA	NA	747	*B*	408	*B*	204	*B*
Thallium	NA	NA	1.13	*U*	1.13	*U*	1.12	*U*
Vanadium	NA	NA	89		61		21.5	
Zinc	109	10,000	118		82.8		26.4	

Analyte Detected

Analyte Above UUSCO

Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

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

Table 4: VOCs in Groundwater

WCD File: LN17112.20

All data in µg/L (parts per billion, ppb)	**Sample ID**	**TGW-01**		**TGW-02**		**TGW-03**	
U= Not Detected ≥ indicated value	Sample Date	(2017-12-27)		(2017-12-27)		(2017-12-27)	
Data above AWQS shown in **Bold**	Dilution Factor	10		10		200	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1,1-Trichloroethane	5	**12**		**97**		**930**	*D*
1,1,2,2-Tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-Trichloroethane	1	0.2	*U*	0.2	*U*	0.2	*U*
1,1-Dichloroethane	5	1.5		**29**		**23**	
1,1-Dichloroethylene (1,1-DCE)	5	2		**18**		**87**	
1,2,3-Trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-Trichloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-Trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-Trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dibromo-3-chloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dibromoethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dichloroethane	0.6	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dichloropropane	1	0.2	*U*	0.2	*U*	0.2	*U*
1,3,5-Trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
1,3-Dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*
1,4-Dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*
1,4-Dioxane	NA	40	*U*	40	*U*	40	*U*
2-Butanone (MEK)	50	0.2	*U*	0.2	*U*	0.2	*U*
2-Hexanone	50	0.2	*U*	0.2	*U*	0.2	*U*
4-Methyl-2-pentanone	NA	0.2	*U*	0.2	*U*	0.2	*U*
Acetone	50	1	*U*	1.5	*J*	1.5	*J*
Acrolein	5	0.2	*U*	0.2	*U*	0.2	*U*
Acrylonitrile	5	0.2	*U*	0.2	*U*	0.2	*U*
Benzene	1	0.2	*U*	0.2	*U*	0.2	*U*
Bromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
Bromodichloromethane	50	0.2	*U*	0.2	*U*	0.2	*U*
Bromoform	50	0.2	*U*	0.2	*U*	0.2	*U*
Bromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*
Carbon disulfide	NA	0.2	*U*	0.2	*U*	0.2	*U*
Carbon tetrachloride	5	0.2	*U*	0.2	*U*	0.2	*U*
Chlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
Chloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
Chloroform	7	0.2	*U*	0.63		0.2	*U*
Chloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,2-Dichloroethylene (cis-DCE)	5	0.71		2.8		0.2	*U*
cis-1,3-Dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*
Cyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*
Dibromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
Dibromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*
Dichlorodifluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
Ethyl Benzene	5	0.2	*U*	0.2	*U*	0.2	*U*
Hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*	0.2	*U*
Isopropylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
Methyl acetate	NA	0.2	*U*	0.2	*U*	0.2	*U*
Methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.2	*U*	0.2	*U*
Methylcyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*
Methylene chloride	5	1	*U*	1	*U*	1	*U*
n-Butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
n-Propylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
o-Xylene	5	0.2	*U*	0.2	*U*	0.2	*U*
p- & m- Xylenes	5	0.5	*U*	0.5	*U*	0.5	*U*
p-Isopropyltoluene	5	0.2	*U*	0.2	*U*	0.2	*U*
sec-Butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
Styrene	5	0.2	*U*	0.2	*U*	0.2	*U*
tert-Butyl alcohol (TBA)	NA	0.5	*U*	0.5	*U*	0.5	*U*
tert-Butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
Tetrachloroethylene (PCE)	5	1.7		**20**		**22**	
Toluene	5	0.2	*U*	0.2	*U*	0.45	*J*
trans-1,2-Dichloroethylene (trans-DCE)	5	0.43	*J*	0.2	*U*	1.2	
trans-1,3-Dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,4-dichloro-2-butene	NA	0.2	*U*	0.2	*U*	0.2	*U*
Trichloroethylene (TCE)	5	**650**	*D*	**1,500**	*D*	**15,000**	*D*
Trichlorofluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
Vinyl chloride (VC)	2	0.2	*U*	0.2	*U*	0.2	*U*
Xylenes, Total	5	0.6	*U*	0.6	*U*	0.6	*U*

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

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

APPENDIX D

Laboratory Report

Technical Report

prepared for:

WCD Group
23 Route 31 North, Suite B26
Pennington NJ, 08534
Attention: Claire Siegrist

Report Date: 01/24/2018
Client Project ID: LN171112
York Project (SDG) No.: 17L1081

Revision No. 3.0

Report Date: 01/24/2018
Client Project ID: LN171112
York Project (SDG) No.: 17L1081

WCD Group
23 Route 31 North, Suite B26
Pennington NJ, 08534
Attention: Claire Siegrist

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on December 28, 2017 and listed below. The project was identified as your project: **LN171112**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
17L1081-01	SB-01 (3.5')	Soil	12/27/2017	12/28/2017
17L1081-02	SB-02 (12')	Soil	12/27/2017	12/28/2017
17L1081-03	SB-03 (5')	Soil	12/27/2017	12/28/2017
17L1081-04	SB-03 (12')	Soil	12/27/2017	12/28/2017
17L1081-05	SB-04 (3')	Soil	12/27/2017	12/28/2017
17L1081-06	SB-05 (5')	Soil	12/27/2017	12/28/2017
17L1081-07	SB-06 (4')	Soil	12/27/2017	12/28/2017
17L1081-11	SB-01 (2.5'-3.5')	Soil	12/27/2017	12/28/2017
17L1081-12	SB-02 (11'-12.5')	Soil	12/27/2017	12/28/2017
17L1081-13	SB-03 (4'-6')	Soil	12/27/2017	12/28/2017
17L1081-14	SB-03 (10'-12')	Soil	12/27/2017	12/28/2017
17L1081-15	SB-04 (3'-3.5')	Soil	12/27/2017	12/28/2017
17L1081-16	SB-05 (4'-5')	Soil	12/27/2017	12/28/2017
17L1081-17	SB-06 (4'-5')	Soil	12/27/2017	12/28/2017
17L1081-21	TGW-01	Water	12/27/2017	12/28/2017
17L1081-22	TGW-02	Water	12/27/2017	12/28/2017
17L1081-23	TGW-03	Water	12/27/2017	12/28/2017

General Notes for York Project (SDG) No.: 17L1081

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:

Date: 01/24/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **SB-01 (3.5')** **York Sample ID:** **17L1081-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	**1,1,1-Trichloroethane**	**2.6**	J	ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/kg dry	37	74	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-01 (3.5')

York Sample ID: 17L1081-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-01 (3.5')

York Sample ID: 17L1081-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.9	7.4	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-01 (3.5') **York Sample ID:** 17L1081-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications: CTDOH			
79-01-6	**Trichloroethylene**	**120**		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.9	3.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.6	11	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:07	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.1**		%	0.100	1	SM 2540G	12/29/2017 09:57	12/29/2017 13:31	TJM
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-02 (12') **York Sample ID:** 17L1081-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-02 (12')

York Sample ID: 17L1081-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/kg dry	50	99	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/kg dry	5.0	9.9	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	5.0	9.9	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-02 (12')

York Sample ID: 17L1081-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-02 (12')

York Sample ID: 17L1081-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/kg dry	5.0	9.9	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.0	9.9	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.5	9.9	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH		
79-01-6	**Trichloroethylene**	**7.3**		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.4	15	1	EPA 8260C	01/02/2018 13:33	01/03/2018 03:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

Sample Information

Client Sample ID: SB-02 (12')

York Sample ID: 17L1081-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.3		%	0.100	1	SM 2540G Certifications: CTDOH	12/29/2017 09:57	12/29/2017 13:31	TJM

Sample Information

Client Sample ID: SB-03 (5')

York Sample ID: 17L1081-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/02/2018 13:33	01/03/2018 04:14	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/02/2018 13:33	01/03/2018 04:14	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/02/2018 13:33	01/03/2018 04:14	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/02/2018 13:33	01/03/2018 04:14	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/02/2018 13:33	01/03/2018 04:14	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/02/2018 13:33	01/03/2018 04:14	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/02/2018 13:33	01/03/2018 04:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/02/2018 13:33	01/03/2018 04:14	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/02/2018 13:33	01/03/2018 04:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/02/2018 13:33	01/03/2018 04:14	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/02/2018 13:33	01/03/2018 04:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/02/2018 13:33	01/03/2018 04:14	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/02/2018 13:33	01/03/2018 04:14	SS

Sample Information

Client Sample ID: SB-03 (5')

York Sample ID: 17L1081-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/kg dry	45	90	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/kg dry	4.5	9.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	4.5	9.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-03 (5')

York Sample ID: 17L1081-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**5.3**	CCV-E, SCAL-E, J	ug/kg dry	4.5	9.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.5	9.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-03 (5') **York Sample ID:** 17L1081-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.3	9.0	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH		
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.8	14	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:14	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**81.7**		%	0.100	1	SM 2540G	12/29/2017 09:57	12/29/2017 13:31	TJM
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB-03 (12') **York Sample ID:** 17L1081-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Sample Information

Client Sample ID: **SB-03 (12')** **York Sample ID:** **17L1081-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 04:47	SS
71-55-6	**1,1,1-Trichloroethane**	**59**		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 04:47	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 04:47	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/03/2018 04:47	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 04:47	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 04:47	SS
75-35-4	**1,1-Dichloroethylene**	**4.0**	J	ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 04:47	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 04:47	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 NELAC-NY10854,NELAC-NY12058,NJDEP	01/03/2018 04:47	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 04:47	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 04:47	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 04:47	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 04:47	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 04:47	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 04:47	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 04:47	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 04:47	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 04:47	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 04:47	SS
123-91-1	**1,4-Dioxane**	**79**	CCV-E, J	ug/kg dry	48	97	1	EPA 8260C Certifications:	01/02/2018 13:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 04:47	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 04:47	SS

Sample Information

Client Sample ID: SB-03 (12')

York Sample ID: 17L1081-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/kg dry	4.8	9.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	4.8	9.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-03 (12')

York Sample ID: 17L1081-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**5.9**	CCV-E, SCAL-E, J	ug/kg dry	4.8	9.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.8	9.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.4	9.7	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-03 (12') **York Sample ID:** 17L1081-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications: CTDOH			
79-01-6	**Trichloroethylene**	**1000**		ug/kg dry	240	480	100	EPA 8260C	01/02/2018 13:33	01/03/2018 18:41	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.3	15	1	EPA 8260C	01/02/2018 13:33	01/03/2018 04:47	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.3**		%	0.100	1	SM 2540G	12/29/2017 09:57	12/29/2017 13:31	TJM
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-04 (3') **York Sample ID:** 17L1081-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	**1,1,1-Trichloroethane**	**10**		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-04 (3')

York Sample ID: 17L1081-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/kg dry	55	110	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/kg dry	5.5	11	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	5.5	11	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-04 (3') **York Sample ID:** 17L1081-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.5	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:20	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-04 (3')

York Sample ID: 17L1081-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	01/02/2018 13:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 05:20	SS
75-09-2	**Methylene chloride**	**7.8**	CCV-E, SCAL-E, J	ug/kg dry	5.5	11	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 05:20	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 05:20	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 05:20	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/03/2018 05:20	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/03/2018 05:20	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 05:20	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 05:20	SS
100-42-5	Styrene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 05:20	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.7	11	1	EPA 8260C Certifications:	01/02/2018 13:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 05:20	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 05:20	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 05:20	SS
108-88-3	Toluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 05:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 05:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 05:20	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH	01/03/2018 05:20	SS
79-01-6	**Trichloroethylene**	**100**		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 05:20	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 05:20	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/03/2018 05:20	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.2	16	1	EPA 8260C Certifications:	01/02/2018 13:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/03/2018 05:20	SS

Sample Information

Client Sample ID: SB-04 (3') **York Sample ID:** 17L1081-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.5		%	0.100	1	SM 2540G	12/29/2017 09:57	12/29/2017 13:31	TJM
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-05 (5') **York Sample ID:** 17L1081-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	**1,1,1-Trichloroethane**	**7.9**		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	**1,1,2-Trichloroethane**	**4.6**		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: **SB-05 (5')** **York Sample ID:** **17L1081-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	**1,4-Dioxane**	**16000**	CCV-E	ug/kg dry	4600	9200	100	EPA 8260C	01/02/2018 13:33	01/03/2018 19:47	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/kg dry	4.6	9.2	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	4.6	9.2	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-05 (5')

York Sample ID: 17L1081-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**7.1**	CCV-E, SCAL-E, J	ug/kg dry	4.6	9.2	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.6	9.2	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-05 (5') **York Sample ID:** 17L1081-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.3	9.2	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.9	14	1	EPA 8260C	01/02/2018 13:33	01/03/2018 05:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.1**		%	0.100	1	SM 2540G	12/29/2017 09:57	12/29/2017 13:31	TJM
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB-06 (4') **York Sample ID:** 17L1081-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Sample Information

Client Sample ID: **SB-06 (4')** **York Sample ID:** **17L1081-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	**1,1,1-Trichloroethane**	**30**		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	**1,4-Dioxane**	**100**	CCV-E	ug/kg dry	48	96	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-06 (4')

York Sample ID: 17L1081-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/kg dry	4.8	9.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	4.8	9.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-06 (4')

York Sample ID: 17L1081-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**5.2**	CCV-E, SCAL-E, J	ug/kg dry	4.8	9.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.8	9.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.4	9.6	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-06 (4') **York Sample ID:** 17L1081-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications: CTDOH			
79-01-6	**Trichloroethylene**	**560**		ug/kg dry	240	480	100	EPA 8260C	01/02/2018 13:33	01/03/2018 20:21	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.2	14	1	EPA 8260C	01/02/2018 13:33	01/03/2018 06:27	SS
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.8**		%	0.100	1	SM 2540G	12/29/2017 09:57	12/29/2017 13:31	TJM
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-01 (2.5'-3.5') **York Sample ID:** 17L1081-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Semi-Volatiles, PAH Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	48.1	96.0	2	EPA 8270D	01/09/2018 06:41	01/11/2018 10:32	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
83-32-9	Acenaphthene	ND		ug/kg dry	48.1	96.0	2	EPA 8270D	01/09/2018 06:41	01/11/2018 10:32	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/kg dry	48.1	96.0	2	EPA 8270D	01/09/2018 06:41	01/11/2018 10:32	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	Anthracene	ND		ug/kg dry	48.1	96.0	2	EPA 8270D	01/09/2018 06:41	01/11/2018 10:32	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	48.1	96.0	2	EPA 8270D	01/09/2018 06:41	01/11/2018 10:32	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	48.1	96.0	2	EPA 8270D	01/09/2018 06:41	01/11/2018 10:32	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-01 (2.5'-3.5')

York Sample ID: 17L1081-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	48.1	96.0	2	EPA 8270D	01/09/2018 06:41	01/11/2018 10:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	48.1	96.0	2	EPA 8270D	01/09/2018 06:41	01/11/2018 10:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	48.1	96.0	2	EPA 8270D	01/09/2018 06:41	01/11/2018 10:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/kg dry	48.1	96.0	2	EPA 8270D	01/09/2018 06:41	01/11/2018 10:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	48.1	96.0	2	EPA 8270D	01/09/2018 06:41	01/11/2018 10:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**75.2**	J	ug/kg dry	48.1	96.0	2	EPA 8270D	01/09/2018 06:41	01/11/2018 10:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	48.1	96.0	2	EPA 8270D	01/09/2018 06:41	01/11/2018 10:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**49.1**	J	ug/kg dry	48.1	96.0	2	EPA 8270D	01/09/2018 06:41	01/11/2018 10:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/kg dry	48.1	96.0	2	EPA 8270D	01/09/2018 06:41	01/11/2018 10:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		ug/kg dry	48.1	96.0	2	EPA 8270D	01/09/2018 06:41	01/11/2018 10:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**63.7**	J	ug/kg dry	48.1	96.0	2	EPA 8270D	01/09/2018 06:41	01/11/2018 10:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*79.4 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*58.4 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*53.8 %*	*24-116*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8170**		mg/kg dry	5.79	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**2.78**		mg/kg dry	0.579	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**1.48**		mg/kg dry	1.16	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**68.4**		mg/kg dry	1.16	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.116	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.348	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-01 (2.5'-3.5') **York Sample ID:** 17L1081-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**1750**		mg/kg dry	5.79	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**117**		mg/kg dry	0.579	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**20.0**		mg/kg dry	0.579	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**170**		mg/kg dry	0.579	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**14800**		mg/kg dry	2.32	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**14.1**		mg/kg dry	0.579	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2800**		mg/kg dry	5.79	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**546**		mg/kg dry	0.579	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**243**		mg/kg dry	0.579	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**2170**	B	mg/kg dry	5.79	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**1.55**		mg/kg dry	1.16	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.579	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**192**	B	mg/kg dry	11.6	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.16	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**17.6**		mg/kg dry	1.16	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**42.4**		mg/kg dry	1.74	1	EPA 6010C	01/09/2018 09:44	01/09/2018 20:35	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0348	1	EPA 7473	01/09/2018 09:47	01/09/2018 12:20	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: **SB-01 (2.5'-3.5')** **York Sample ID:** **17L1081-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.3**		%	0.100	1	SM 2540G	01/09/2018 08:43	01/09/2018 15:15	TJM
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB-02 (11'-12.5')** **York Sample ID:** **17L1081-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Semi-Volatiles, PAH Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.6	94.9	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
83-32-9	Acenaphthene	ND		ug/kg dry	47.6	94.9	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/kg dry	47.6	94.9	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	Anthracene	ND		ug/kg dry	47.6	94.9	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	47.6	94.9	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47.6	94.9	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	47.6	94.9	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	47.6	94.9	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	47.6	94.9	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	Chrysene	ND		ug/kg dry	47.6	94.9	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.6	94.9	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	Fluoranthene	ND		ug/kg dry	47.6	94.9	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/kg dry	47.6	94.9	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:04	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-02 (11'-12.5') **York Sample ID:** 17L1081-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Semi-Volatiles, PAH Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.6	94.9	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/kg dry	47.6	94.9	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	Phenanthrene	ND		ug/kg dry	47.6	94.9	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	Pyrene	ND		ug/kg dry	47.6	94.9	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*80.9 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*62.5 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*52.3 %*	*24-116*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**23300**		mg/kg dry	5.71	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**6.60**		mg/kg dry	0.571	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	**Arsenic**	**1.17**		mg/kg dry	1.14	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**259**		mg/kg dry	1.14	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.114	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/kg dry	0.343	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**1170**		mg/kg dry	5.71	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**269**		mg/kg dry	0.571	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**32.3**		mg/kg dry	0.571	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**223**		mg/kg dry	0.571	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**32600**		mg/kg dry	2.28	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**5.80**		mg/kg dry	0.571	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**11400**		mg/kg dry	5.71	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-02 (11'-12.5') **York Sample ID:** 17L1081-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**826**		mg/kg dry	0.571	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**2770**		mg/kg dry	0.571	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**29700**	B	mg/kg dry	114	20	EPA 6010C	01/09/2018 09:44	01/10/2018 11:32	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**2.30**		mg/kg dry	1.14	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.571	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**523**	B	mg/kg dry	11.4	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.14	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**56.7**		mg/kg dry	1.14	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**389**		mg/kg dry	1.71	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:07	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0343	1	EPA 7473	01/09/2018 09:47	01/09/2018 12:29	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* **% Solids**	**87.6**		%	0.100	1	SM 2540G	01/09/2018 08:43	01/09/2018 15:15	TJM
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB-03 (4'-6') **York Sample ID:** 17L1081-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Sample Information

Client Sample ID: SB-03 (4'-6') **York Sample ID:** 17L1081-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Semi-Volatiles, PAH Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	50.1	100	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		ug/kg dry	50.1	100	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/kg dry	50.1	100	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		ug/kg dry	50.1	100	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	50.1	100	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	50.1	100	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	50.1	100	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	50.1	100	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	50.1	100	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/kg dry	50.1	100	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	50.1	100	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		ug/kg dry	50.1	100	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	50.1	100	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:15	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	50.1	100	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/kg dry	50.1	100	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		ug/kg dry	50.1	100	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		ug/kg dry	50.1	100	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*79.1 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*56.8 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*44.0 %*	*24-116*

Sample Information

Client Sample ID: SB-03 (4'-6')

York Sample ID: 17L1081-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**15000**		mg/kg dry	6.01	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7440-36-0	**Antimony**	**2.06**		mg/kg dry	0.601	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7440-38-2	**Arsenic**	**3.62**		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7440-39-3	**Barium**	**84.9**		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.120	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.361	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7440-70-2	**Calcium**	**9420**		mg/kg dry	6.01	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7440-47-3	**Chromium**	**54.4**		mg/kg dry	0.601	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7440-48-4	**Cobalt**	**15.4**		mg/kg dry	0.601	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7440-50-8	**Copper**	**142**		mg/kg dry	0.601	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7439-89-6	**Iron**	**29800**		mg/kg dry	2.41	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7439-92-1	**Lead**	**13.9**		mg/kg dry	0.601	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7439-95-4	**Magnesium**	**8150**		mg/kg dry	6.01	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7439-96-5	**Manganese**	**189**		mg/kg dry	0.601	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7440-02-0	**Nickel**	**822**		mg/kg dry	0.601	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7440-09-7	**Potassium**	**2840**	B	mg/kg dry	6.01	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7782-49-2	**Selenium**	**3.00**		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7440-22-4	Silver	ND		mg/kg dry	0.601	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7440-23-5	**Sodium**	**817**	B	mg/kg dry	12.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	01/09/2018 09:44	01/09/2018 21:16	BML
7440-28-0	Thallium	ND		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7440-62-2	**Vanadium**	**45.0**		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML
7440-66-6	**Zinc**	**80.0**		mg/kg dry	1.80	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:16	BML

Sample Information

Client Sample ID: SB-03 (4'-6') **York Sample ID:** 17L1081-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0361	1	EPA 7473	01/09/2018 09:47	01/09/2018 12:37	SY
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.2**		%	0.100	1	SM 2540G	01/09/2018 08:43	01/09/2018 15:15	TJM
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-03 (10'-12') **York Sample ID:** 17L1081-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	50.5	101	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:46	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
83-32-9	Acenaphthene	ND		ug/kg dry	50.5	101	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:46	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/kg dry	50.5	101	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:46	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	Anthracene	ND		ug/kg dry	50.5	101	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:46	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	50.5	101	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:46	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	50.5	101	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:46	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	50.5	101	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:46	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	50.5	101	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:46	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	50.5	101	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:46	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-03 (10'-12')

York Sample ID: 17L1081-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	ND		ug/kg dry	50.5	101	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	50.5	101	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**97.5**	J	ug/kg dry	50.5	101	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	50.5	101	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:46	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	50.5	101	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/kg dry	50.5	101	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		ug/kg dry	50.5	101	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**69.3**	J	ug/kg dry	50.5	101	2	EPA 8270D	01/09/2018 06:41	01/10/2018 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*80.0 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*62.1 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*51.0 %*	*24-116*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**11000**		mg/kg dry	6.05	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**2.57**		mg/kg dry	0.605	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		mg/kg dry	1.21	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**94.7**		mg/kg dry	1.21	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.121	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.363	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**502**		mg/kg dry	6.05	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**84.2**		mg/kg dry	0.605	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**10.6**		mg/kg dry	0.605	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-03 (10'-12') **York Sample ID:** 17L1081-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	**Copper**	**58.4**		mg/kg dry	0.605	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**17100**		mg/kg dry	2.42	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**3.15**		mg/kg dry	0.605	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**5330**		mg/kg dry	6.05	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**368**		mg/kg dry	0.605	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**121**		mg/kg dry	0.605	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**4250**	B	mg/kg dry	6.05	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**1.82**		mg/kg dry	1.21	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.605	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**904**	B	mg/kg dry	12.1	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.21	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**22.3**		mg/kg dry	1.21	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**39.0**		mg/kg dry	1.81	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:25	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0363	1	EPA 7473	01/09/2018 09:47	01/09/2018 12:46	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**82.7**		%	0.100	1	SM 2540G	01/09/2018 08:43	01/09/2018 15:15	TJM
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB-04 (3'-3.5')

York Sample ID: 17L1081-15

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.0	93.8	2	EPA 8270D	01/09/2018 06:41	01/10/2018 17:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		ug/kg dry	47.0	93.8	2	EPA 8270D	01/09/2018 06:41	01/10/2018 17:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/kg dry	47.0	93.8	2	EPA 8270D	01/09/2018 06:41	01/10/2018 17:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		ug/kg dry	47.0	93.8	2	EPA 8270D	01/09/2018 06:41	01/10/2018 17:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	47.0	93.8	2	EPA 8270D	01/09/2018 06:41	01/10/2018 17:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47.0	93.8	2	EPA 8270D	01/09/2018 06:41	01/10/2018 17:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	47.0	93.8	2	EPA 8270D	01/09/2018 06:41	01/10/2018 17:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	47.0	93.8	2	EPA 8270D	01/09/2018 06:41	01/10/2018 17:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	47.0	93.8	2	EPA 8270D	01/09/2018 06:41	01/10/2018 17:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/kg dry	47.0	93.8	2	EPA 8270D	01/09/2018 06:41	01/10/2018 17:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.0	93.8	2	EPA 8270D	01/09/2018 06:41	01/10/2018 17:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		ug/kg dry	47.0	93.8	2	EPA 8270D	01/09/2018 06:41	01/10/2018 17:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	47.0	93.8	2	EPA 8270D	01/09/2018 06:41	01/10/2018 17:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.0	93.8	2	EPA 8270D	01/09/2018 06:41	01/10/2018 17:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/kg dry	47.0	93.8	2	EPA 8270D	01/09/2018 06:41	01/10/2018 17:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		ug/kg dry	47.0	93.8	2	EPA 8270D	01/09/2018 06:41	01/10/2018 17:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		ug/kg dry	47.0	93.8	2	EPA 8270D	01/09/2018 06:41	01/10/2018 17:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*80.5 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*59.5 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*49.0 %*	*24-116*

Sample Information

Client Sample ID: SB-04 (3'-3.5')

York Sample ID: 17L1081-15

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**34900**		mg/kg dry	5.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:30	BML
7440-36-0	**Antimony**	**7.90**		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:30	BML
7440-38-2	**Arsenic**	**1.28**		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:30	BML
7440-39-3	**Barium**	**442**		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:30	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.113	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:30	BML
7440-43-9	**Cadmium**	**1.02**		mg/kg dry	0.338	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:30	BML
7440-70-2	**Calcium**	**113**		mg/kg dry	5.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:30	BML
7440-47-3	**Chromium**	**258**		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:30	BML
7440-48-4	**Cobalt**	**33.0**		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:30	BML
7440-50-8	**Copper**	**135**		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:30	BML
7439-89-6	**Iron**	**27000**		mg/kg dry	22.5	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/10/2018 11:37	BML
7439-92-1	**Lead**	**5.16**		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:30	BML
7439-95-4	**Magnesium**	**21000**		mg/kg dry	5.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:30	BML
7439-96-5	**Manganese**	**656**		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:30	BML
7440-02-0	**Nickel**	**419**		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:30	BML
7440-09-7	**Potassium**	**8430**	B	mg/kg dry	56.3	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/10/2018 11:37	BML
7782-49-2	**Selenium**	**2.96**		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:30	BML
7440-22-4	Silver	ND		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:30	BML
7440-23-5	**Sodium**	**747**	B	mg/kg dry	11.3	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	01/09/2018 09:44	01/09/2018 21:30	BML
7440-28-0	Thallium	ND		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:30	BML
7440-62-2	**Vanadium**	**89.0**		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:30	BML
7440-66-6	**Zinc**	**118**		mg/kg dry	1.69	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2018 09:44	01/09/2018 21:30	BML

Sample Information

Client Sample ID: SB-04 (3'-3.5')

York Sample ID: 17L1081-15

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0338	1	EPA 7473	01/09/2018 09:47	01/09/2018 12:55	SY
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.9**		%	0.100	1	SM 2540G	01/09/2018 08:43	01/09/2018 15:15	TJM
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-05 (4'-5')

York Sample ID: 17L1081-16

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	46.9	93.6	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:35	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
83-32-9	Acenaphthene	ND		ug/kg dry	46.9	93.6	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:35	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/kg dry	46.9	93.6	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:35	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	Anthracene	ND		ug/kg dry	46.9	93.6	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:35	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46.9	93.6	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:35	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46.9	93.6	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:35	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46.9	93.6	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:35	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46.9	93.6	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:35	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46.9	93.6	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:35	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-05 (4'-5')

York Sample ID: 17L1081-16

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	ND		ug/kg dry	46.9	93.6	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46.9	93.6	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		ug/kg dry	46.9	93.6	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	46.9	93.6	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46.9	93.6	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/kg dry	46.9	93.6	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		ug/kg dry	46.9	93.6	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		ug/kg dry	46.9	93.6	2	EPA 8270D	01/09/2018 06:41	01/11/2018 11:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*66.0 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*58.4 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*36.1 %*	*24-116*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**23300**		mg/kg dry	5.63	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**3.28**		mg/kg dry	0.563	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		mg/kg dry	1.13	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**241**		mg/kg dry	1.13	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.113	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.834**		mg/kg dry	0.338	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**7860**		mg/kg dry	5.63	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**64.4**		mg/kg dry	0.563	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**26.2**		mg/kg dry	0.563	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-05 (4'-5')

York Sample ID: 17L1081-16

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	**Copper**	**109**		mg/kg dry	0.563	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**19900**		mg/kg dry	22.5	10	EPA 6010C	01/09/2018 09:44	01/10/2018 11:43	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**4.74**		mg/kg dry	0.563	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**10900**		mg/kg dry	5.63	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**762**		mg/kg dry	0.563	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**90.1**		mg/kg dry	0.563	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**6760**	B	mg/kg dry	56.3	10	EPA 6010C	01/09/2018 09:44	01/10/2018 11:43	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**2.53**		mg/kg dry	1.13	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.563	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**408**	B	mg/kg dry	11.3	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.13	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**61.0**		mg/kg dry	1.13	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**82.8**		mg/kg dry	1.69	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:36	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0338	1	EPA 7473	01/09/2018 09:47	01/09/2018 13:03	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.8**		%	0.100	1	SM 2540G	01/09/2018 08:43	01/09/2018 15:15	TJM
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB-06 (4'-5')

York Sample ID: 17L1081-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	46.8	93.3	2	EPA 8270D	01/09/2018 06:41	01/11/2018 12:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		ug/kg dry	46.8	93.3	2	EPA 8270D	01/09/2018 06:41	01/11/2018 12:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/kg dry	46.8	93.3	2	EPA 8270D	01/09/2018 06:41	01/11/2018 12:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		ug/kg dry	46.8	93.3	2	EPA 8270D	01/09/2018 06:41	01/11/2018 12:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46.8	93.3	2	EPA 8270D	01/09/2018 06:41	01/11/2018 12:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46.8	93.3	2	EPA 8270D	01/09/2018 06:41	01/11/2018 12:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46.8	93.3	2	EPA 8270D	01/09/2018 06:41	01/11/2018 12:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46.8	93.3	2	EPA 8270D	01/09/2018 06:41	01/11/2018 12:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46.8	93.3	2	EPA 8270D	01/09/2018 06:41	01/11/2018 12:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/kg dry	46.8	93.3	2	EPA 8270D	01/09/2018 06:41	01/11/2018 12:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46.8	93.3	2	EPA 8270D	01/09/2018 06:41	01/11/2018 12:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		ug/kg dry	46.8	93.3	2	EPA 8270D	01/09/2018 06:41	01/11/2018 12:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	46.8	93.3	2	EPA 8270D	01/09/2018 06:41	01/11/2018 12:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46.8	93.3	2	EPA 8270D	01/09/2018 06:41	01/11/2018 12:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/kg dry	46.8	93.3	2	EPA 8270D	01/09/2018 06:41	01/11/2018 12:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		ug/kg dry	46.8	93.3	2	EPA 8270D	01/09/2018 06:41	01/11/2018 12:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		ug/kg dry	46.8	93.3	2	EPA 8270D	01/09/2018 06:41	01/11/2018 12:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*76.5 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*60.7 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*50.7 %*	*24-116*

Sample Information

Client Sample ID: **SB-06 (4'-5')** **York Sample ID:** **17L1081-17**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Metals, Target Analyte **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**11100**		mg/kg dry	5.60	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**1.81**		mg/kg dry	0.560	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	Arsenic	ND		mg/kg dry	1.12	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**97.8**		mg/kg dry	1.12	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.112	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/kg dry	0.336	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**1060**		mg/kg dry	5.60	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**62.9**		mg/kg dry	0.560	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**13.3**		mg/kg dry	0.560	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**32.1**		mg/kg dry	0.560	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**17200**		mg/kg dry	2.24	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**3.75**		mg/kg dry	0.560	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**6400**		mg/kg dry	5.60	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**628**		mg/kg dry	0.560	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**72.1**		mg/kg dry	0.560	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**2500**	B	mg/kg dry	5.60	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	**Selenium**	**1.19**		mg/kg dry	1.12	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.560	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**204**	B	mg/kg dry	11.2	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.12	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**21.5**		mg/kg dry	1.12	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**26.4**		mg/kg dry	1.68	1	EPA 6010C	01/09/2018 09:44	01/09/2018 21:42	BML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-06 (4'-5')

York Sample ID: 17L1081-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Soil	December 27, 2017 3:00 pm	12/28/2017

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0336	1	EPA 7473	01/09/2018 09:47	01/09/2018 13:12	SY
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.4**		%	0.100	1	SM 2540G	01/09/2018 08:43	01/09/2018 15:15	TJM
							Certifications: CTDOH			

Sample Information

Client Sample ID: TGW-01

York Sample ID: 17L1081-21

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Water	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	**1,1,1-Trichloroethane**	**12**		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	**1,1-Dichloroethane**	**1.5**		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	**1,1-Dichloroethylene**	**2.0**		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: TGW-01 **York Sample ID:** 17L1081-21

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Water	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TGW-01 **York Sample ID:** 17L1081-21

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Water	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	**cis-1,2-Dichloroethylene**	**0.71**		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TGW-01 **York Sample ID:** 17L1081-21

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Water	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**1.7**		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	**trans-1,2-Dichloroethylene**	**0.43**	J	ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	**Trichloroethylene**	**650**		ug/L	2.0	5.0	10	EPA 8260C	01/10/2018 07:30	01/10/2018 12:50	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	01/09/2018 07:30	01/09/2018 14:37	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.2 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*106 %*	*79-122*

Sample Information

Client Sample ID: TGW-02 **York Sample ID:** 17L1081-22

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Water	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	**1,1,1-Trichloroethane**	**97**		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	**1,1-Dichloroethane**	**29**		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	**1,1-Dichloroethylene**	**18**		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TGW-02 **York Sample ID:** 17L1081-22

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Water	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
67-64-1	**Acetone**	**1.5**	J	ug/L	1.0	2.0	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
67-66-3	**Chloroform**	**0.63**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
156-59-2	**cis-1,2-Dichloroethylene**	**2.8**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/09/2018 07:30	01/09/2018 15:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SR

Sample Information

Client Sample ID: TGW-02 **York Sample ID:** 17L1081-22

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Water	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**20**		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	**Trichloroethylene**	**1500**		ug/L	2.0	5.0	10	EPA 8260C	01/10/2018 07:30	01/10/2018 13:22	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TGW-02 **York Sample ID:** 17L1081-22

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Water	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:04	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*106 %*	*79-122*

Sample Information

Client Sample ID: TGW-03 **York Sample ID:** 17L1081-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Water	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	**1,1,1-Trichloroethane**	**930**		ug/L	5.0	12	25	EPA 8260C	01/10/2018 07:30	01/10/2018 13:54	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	**1,1-Dichloroethane**	**23**		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	**1,1-Dichloroethylene**	**87**		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TGW-03 **York Sample ID:** 17L1081-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Water	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**1.5**	J	ug/L	1.0	2.0	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TGW-03 **York Sample ID:** 17L1081-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Water	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		

Sample Information

Client Sample ID: TGW-03 **York Sample ID:** 17L1081-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17L1081	LN171112	Water	December 27, 2017 3:00 pm	12/28/2017

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**22**		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**0.45**	J	ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	**trans-1,2-Dichloroethylene**	**1.2**		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	**Trichloroethylene**	**15000**	HT-01 R	ug/L	40	100	200	EPA 8260C	01/11/2018 07:30	01/11/2018 12:23	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	01/09/2018 07:30	01/09/2018 15:31	SR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*79-122*

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17L1081-01	SB-01 (3.5')	40mL Vial with Stir Bar-Cool 4° C
17L1081-02	SB-02 (12')	40mL Vial with Stir Bar-Cool 4° C
17L1081-03	SB-03 (5')	40mL Vial with Stir Bar-Cool 4° C
17L1081-04	SB-03 (12')	40mL Vial with Stir Bar-Cool 4° C
17L1081-05	SB-04 (3')	40mL Vial with Stir Bar-Cool 4° C
17L1081-06	SB-05 (5')	40mL Vial with Stir Bar-Cool 4° C
17L1081-07	SB-06 (4')	40mL Vial with Stir Bar-Cool 4° C
17L1081-21	TGW-01	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17L1081-22	TGW-02	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17L1081-23	TGW-03	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
HT-01R	This flag indicates that the sample was initially analyzed within recommended hold time and that a re-run was performed outside of the hold time.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Revision Description: This report has been revised per client's request.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 17L1081

YOUR Information
Company: WCD Group LLC
Address: 1350 Broadway Ste 1909, NYC, NY 10018
Phone No. 212 631 9000
Contact Person: C. Siegrist
E-Mail Address: csiegrist@wcdgroup.com

Report To:
Company: SAME
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:
Company: SAME
Address:
Phone No.
Attention: Brenda Wells
E-Mail Address: bwells@wcdgroup.com

YOUR Project ID
LN17112

Purchase Order No.
LN17112.20

Samples from: CT ___ NY X NJ ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type
- Summary Report X
- Summary w/ QA Summary
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)
- Simple Excel
- NYSDEC EQuIS
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other
- **York Regulatory Comparison Excel Spreadsheet** X

Compare to the following Regs. (please fill in): NYSDEC Part 375

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Claire Siegrist
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SB-01 (3.5')	12/27/17	S	VOCs	1 VOA Kit
SB-02 (12')				
SB-03 (5')				
SB-03 (12')				
SB-04 (3')				
SB-05 (5')				
SB-06 (4')				
ESB-01 (7.5')				
ESB-02 (5')				
SB-03 (6.5')				

Comments

Preservation Check those Applicable
4°C ___ Frozen ___ HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By — Date/Time: 12/28/17
Samples Relinquished By — Date/Time:

Samples Received By — Date/Time: 12/28/17 11:45
Samples Received in LAB by — Date/Time: 12/28/17 1823

Temperature on Receipt 1.3 °C

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 17L1081

YOUR Information

Company: WCD Group
Address: 1350 Broadway Ste 1904, NYC, NY 10018
Phone No. 212 631 9000
Contact Person: C. Siegrist
E-Mail Address:

Report To:

Company: SAMt
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:

Company: SAMt
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID

LN17112

Purchase Order No.

LN17112.20

Samples from: CT ___ NY X NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type

- Summary Report X
- Summary w/ QA Summary
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)

- Simple Excel
- NYSDEC EQuIS
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other
- **York Regulatory Comparison Excel Spreadsheet** X

Compare to the following Regs. (please fill in):

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Claire Siegrist
Name (printed)

Matrix Codes

S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360+(Expanded No Dioxins/Furans)	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360+(Expanded Full List)	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SB-01 (2.5'-3.5')	12/27/17	S	HOLD	1 8oz jar
SB-02 (11'-12.5')				
SB-03 (4'-6')				
SB-03 (10'-12')				
SB-04 (3'-3.5')				
SB-05 (4'-5')				
SB-06 (4'-5')				
ESB-01 (6.5'-7.5')				
ESB-02 (3'-5')				
SB-03 (5'-6.5')				

Comments

Preservation Check those Applicable

Special Instructions

Field Filtered ☐
Lab to Filter ☐

4°C ___ Frozen ___ HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Samples Relinquished By — Date/Time: 12/28/17

Samples Relinquished By — Date/Time:

Samples Received By — Date/Time: 12/26/17

Samples Received in LAB by — Date/Time: 12/28/17 1833

Temperature on Receipt 1.3 °C

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 17L1081

YOUR Information

Company: WCD Group
Address: 1350 Broadway Ste 1904, NYC NY 10018
Phone No. 212 631 9000
Contact Person: C. Siegrist
E-Mail Address:

Report To:

Company: SAME
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:

Company: SAME
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID

LN17112

Purchase Order No.

LN17112.20

Samples from: CT ___ NY X NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type

- Summary Report X
- Summary w/ QA Summary
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)

- Simple Excel
- NYSDEC EQuIS
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other

York Regulatory Comparison Excel Spreadsheet X

Compare to the following Regs. (please fill in):

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Claire Siegrist
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
TGW-01	12/27/17	GW	HOLD	3 40ml vials
TGW-02	12/27/17	GW	HOLD	3 40ml vials
TGW-03	12/27/17	GW	HOLD	3 40ml vials

Comments

Preservation Check those Applicable

Special Instructions

Field Filtered ☐
Lab to Filter ☐

4°C ___ Frozen ___ HCl X MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Claire Siegrist — Samples Relinquished By — 12/28/17 — Date/Time
___ — Samples Relinquished By — ___ — Date/Time

___ — Samples Received By — 12/28/17 — Date/Time
[illegible] 12/28/17 1823 — Samples Received in LAB by — 11:48 — Date/Time

Temperature on Receipt 1.3 °C

APPENDIX C

Analytical Summary Tables

Table 5.9A
Volatile Organic Compounds in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	B-2 (3-4)		B-2 (6-7)		B-7 (1-2)		B-16 (3-4)		B-16 (7-8)		B-1 (2-3)	
SAMPLING DATE	Residential	Restricted	Unrestricted	9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019	
LAB SAMPLE ID	Use	Residential	Use	L1941309-01		L1941309-02		L1941309-03		L1941309-04		L1941309-05		L1941309-06	
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm												
Volatile Organics by EPA 5035															
Methylene chloride	51	100	0.05	0.0046	U	0.005	U	0.32	U	0.23	U	0.0048	U	0.0047	U
1,1-Dichloroethane	19	26	0.27	0.00093	U	0.001	U	0.063	U	0.046	U	0.00038	J	0.00095	U
Chloroform	10	49	0.37	0.0014	U	0.0015	U	0.095	U	0.07	U	0.00025	J	0.0014	U
Carbon tetrachloride	1.4	2.4	0.76	0.00093	U	0.001	U	0.063	U	0.046	U	0.00096	U	0.00095	U
1,2-Dichloropropane				0.00093	U	0.001	U	0.063	U	0.046	U	0.00096	U	0.00095	U
Dibromochloromethane				0.00093	U	0.001	U	0.063	U	0.046	U	0.00096	U	0.00095	U
1,1,2-Trichloroethane				0.00093	U	0.001	U	0.063	U	0.046	U	0.00096	U	0.00095	U
Tetrachloroethene	5.5	19	1.3	0.00046	U	0.0005	U	0.063		0.023	U	0.00055		0.00047	U
Chlorobenzene	100	100	1.1	0.00046	U	0.0005	U	0.032	U	0.023	U	0.00048	U	0.00047	U
Trichlorofluoromethane				0.0037	U	0.004	U	0.25	U	0.18	U	0.0038	U	0.0038	U
1,2-Dichloroethane	2.3	3.1	0.02	0.00093	U	0.001	U	0.063	U	0.046	U	0.00096	U	0.00095	U
1,1,1-Trichloroethane	100	100	0.68	0.00046	U	0.0018		0.059		0.081		0.0089		0.00017	J
Bromodichloromethane				0.00046	U	0.0005	U	0.032	U	0.023	U	0.00048	U	0.00047	U
trans-1,3-Dichloropropene				0.00093	U	0.001	U	0.063	U	0.046	U	0.00096	U	0.00095	U
cis-1,3-Dichloropropene				0.00046	U	0.0005	U	0.032	U	0.023	U	0.00048	U	0.00047	U
1,3-Dichloropropene, Total				0.00046	U	0.0005	U	0.032	U	0.023	U	0.00048	U	0.00047	U
1,1-Dichloropropene				0.00046	U	0.0005	U	0.032	U	0.023	U	0.00048	U	0.00047	U
Bromoform				0.0037	U	0.004	U	0.25	U	0.18	U	0.0038	U	0.0038	U
1,1,2,2-Tetrachloroethane				0.00046	U	0.0005	U	0.032	U	0.023	U	0.00048	U	0.00047	U
Benzene	2.9	4.8	0.06	0.00046	U	0.0005	U	0.032	U	0.023	U	0.00048	U	0.00047	U
Toluene	100	100	0.7	0.00093	U	0.001	U	0.063	U	0.046	U	0.00096	U	0.00095	U
Ethylbenzene	30	41	1	0.00093	U	0.001	U	0.063	U	0.046	U	0.00096	U	0.00095	U
Chloromethane				0.0037	U	0.004	U	0.25	U	0.18	U	0.0038	U	0.0038	U
Bromomethane				0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
Vinyl chloride	0.21	0.9	0.02	0.00093	U	0.001	U	0.063	U	0.046	U	0.00096	U	0.00095	U
Chloroethane				0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
1,1-Dichloroethene	100	100	0.33	0.00093	U	0.001	U	0.063	U	0.046	U	0.00026	J	0.00095	U
trans-1,2-Dichloroethene	100	100	0.19	0.00055	J	0.00028	J	0.095	U	0.07	U	0.00055	J	0.00054	J
Trichloroethene	10	21	0.47	0.0027		0.034		0.92		1.5		0.23		0.014	
1,2-Dichlorobenzene	100	100	1.1	0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
1,3-Dichlorobenzene	17	49	2.4	0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
1,4-Dichlorobenzene	9.8	13	1.8	0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
Methyl tert butyl ether	62	100	0.93	0.00068	J	0.002	U	0.13	U	0.093	U	0.00067	J	0.00067	J
p/m-Xylene				0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
o-Xylene				0.00093	U	0.001	U	0.063	U	0.046	U	0.00096	U	0.00095	U
Xylenes, Total	100	100	0.26	0.00093	U	0.001	U	0.063	U	0.046	U	0.00096	U	0.00095	U
cis-1,2-Dichloroethene	59	100	0.25	0.00093	U	0.001	U	0.063	U	0.046	U	0.0003	J	0.00095	U
1,2-Dichloroethene, Total				0.00055	J	0.00028	J	0.063	U	0.046	U	0.00085	J	0.00054	J
Dibromomethane				0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
Styrene				0.00093	U	0.001	U	0.063	U	0.046	U	0.00096	U	0.00095	U
Dichlorodifluoromethane				0.0093	U	0.01	U	0.63	U	0.46	U	0.0096	U	0.0095	U
Acetone	100	100	0.05	0.086		0.12		0.63	U	0.46	U	0.45	E	0.16	
Carbon disulfide				0.0093	U	0.01	U	0.63	U	0.46	U	0.0096	U	0.0095	U
2-Butanone	100	100	0.12	0.0093	U	0.01	U	0.63	U	0.46	U	0.0054	J	0.0024	J
Vinyl acetate				0.0093	U	0.01	U	0.63	U	0.46	U	0.0096	U	0.0095	U
4-Methyl-2-pentanone				0.0093	U	0.01	U	0.63	U	0.46	U	0.0096	U	0.0095	U
1,2,3-Trichloropropane				0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
2-Hexanone				0.0093	U	0.01	U	0.63	U	0.46	U	0.0096	U	0.0095	U
Bromochloromethane				0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
2,2-Dichloropropane				0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
1,2-Dibromoethane				0.00093	U	0.001	U	0.063	U	0.046	U	0.00096	U	0.00095	U
1,3-Dichloropropane				0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
1,1,1,2-Tetrachloroethane				0.00046	U	0.0005	U	0.032	U	0.023	U	0.00048	U	0.00047	U
Bromobenzene				0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
n-Butylbenzene	100	100	12	0.00093	U	0.001	U	0.063	U	0.046	U	0.00096	U	0.00095	U
sec-Butylbenzene	100	100	11	0.00093	U	0.001	U	0.063	U	0.046	U	0.00096	U	0.00095	U
tert-Butylbenzene	100	100	5.9	0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
o-Chlorotoluene				0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
p-Chlorotoluene				0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
1,2-Dibromo-3-chloropropane				0.0028	U	0.003	U	0.19	U	0.14	U	0.0029	U	0.0028	U
Hexachlorobutadiene				0.0037	U	0.004	U	0.25	U	0.18	U	0.0038	U	0.0038	U
Isopropylbenzene				0.00093	U	0.001	U	0.063	U	0.046	U	0.00096	U	0.00095	U
p-Isopropyltoluene				0.00093	U	0.001	U	0.063	U	0.046	U	0.00096	U	0.00095	U
Naphthalene	100	100	12	0.0037	U	0.004	U	0.25	U	0.18	U	0.0038	U	0.0038	U
Acrylonitrile				0.0037	U	0.004	U	0.25	U	0.18	U	0.0038	U	0.0038	U
n-Propylbenzene	100	100	3.9	0.00093	U	0.001	U	0.063	U	0.046	U	0.00096	U	0.00095	U
1,2,3-Trichlorobenzene				0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
1,2,4-Trichlorobenzene				0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
1,3,5-Trimethylbenzene	47	52	8.4	0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
1,2,4-Trimethylbenzene	47	52	3.6	0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
1,4-Dioxane	9.8	13	0.1	0.074	U	0.08	U	5.1	U	3.7	U	0.077	U	0.076	U
p-Diethylbenzene				0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
p-Ethyltoluene				0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
1,2,4,5-Tetramethylbenzene				0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
Ethyl ether				0.0019	U	0.002	U	0.13	U	0.093	U	0.0019	U	0.0019	U
trans-1,4-Dichloro-2-butene				0.0046	U	0.005	U	0.32	U	0.23	U	0.0048	U	0.0047	U

*T There are no TICs reported for the sample
* : LCS or LCSD is outside acceptance limits.
SCOs: Soil Cleanup Objectives
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.
Exceeds Unrestricted Criteria
Reporting limit exceeds one or more standards

Table 5.9A
Volatile Organic Compounds in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	B-1 (5-6)		B-1 (10-11)		B-11 (6-7)		B-11 (0-1)		B-6 (10-11)		B-6 (7-8)	
SAMPLING DATE	Residential	Restricted	Unrestricted	9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019	
LAB SAMPLE ID	Use	Residential	Use	L1941309-07		L1941309-08		L1941309-09		L1941309-10		L1941309-11		L1941309-12	
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm												
Volatile Organics by EPA 5035															
Methylene chloride	51	100	0.05	0.0022	J	0.0043	U	0.0042	U	0.0052	U	0.0044	U	0.0043	U
1,1-Dichloroethane	19	26	0.27	0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00024	J	0.00086	U
Chloroform	10	49	0.37	0.0014	U	0.0013	U	0.00031	J	0.00041	J	0.00051	J	0.00037	J
Carbon tetrachloride	1.4	2.4	0.76	0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00089	U	0.00086	U
1,2-Dichloropropane				0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00089	U	0.00086	U
Dibromochloromethane				0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00089	U	0.00086	U
1,1,2-Trichloroethane				0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00089	U	0.00086	U
Tetrachloroethene	5.5	19	1.3	0.00046	U	0.00043	U	0.00042	U	0.015		0.00044	U	0.00043	U
Chlorobenzene	100	100	1.1	0.00046	U	0.00043	U	0.00042	U	0.00052	U	0.00044	U	0.00043	U
Trichlorofluoromethane				0.0037	U	0.0035	U	0.0033	U	0.0041	U	0.0036	U	0.0034	U
1,2-Dichloroethane	2.3	3.1	0.02	0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00089	U	0.00086	U
1,1,1-Trichloroethane	100	100	0.68	0.00046	U	0.00043	U	0.00042	U	0.00051	J	0.019		0.00047	
Bromodichloromethane				0.00046	U	0.00043	U	0.00042	U	0.00052	U	0.00044	U	0.00043	U
trans-1,3-Dichloropropene				0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00089	U	0.00086	U
cis-1,3-Dichloropropene				0.00046	U	0.00043	U	0.00042	U	0.00052	U	0.00044	U	0.00043	U
1,3-Dichloropropene, Total				0.00046	U	0.00043	U	0.00042	U	0.00052	U	0.00044	U	0.00043	U
1,1-Dichloropropene				0.00046	U	0.00043	U	0.00042	U	0.00052	U	0.00044	U	0.00043	U
Bromoform				0.0037	U	0.0035	U	0.0033	U	0.0041	U	0.0036	U	0.0034	U
1,1,2,2-Tetrachloroethane				0.00046	U	0.00043	U	0.00042	U	0.00052	U	0.00044	U	0.00043	U
Benzene	2.9	4.8	0.06	0.00046	U	0.00043	U	0.00042	U	0.00052	U	0.00044	U	0.00043	U
Toluene	100	100	0.7	0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00089	U	0.00086	U
Ethylbenzene	30	41	1	0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00089	U	0.00086	U
Chloromethane				0.0037	U	0.0035	U	0.0033	U	0.0041	U	0.0036	U	0.0034	U
Bromomethane				0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
Vinyl chloride	0.21	0.9	0.02	0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00089	U	0.00086	U
Chloroethane				0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
1,1-Dichloroethene	100	100	0.33	0.00093	U	0.00087	U	0.00083	U	0.001	U	0.001		0.00086	U
trans-1,2-Dichloroethene	100	100	0.19	0.00068	J	0.00056	J	0.00052	J	0.00018	J	0.00061	J	0.00042	J
Trichloroethene	10	21	0.47	0.0044		0.001		0.00042	U	0.0008		0.049		0.0016	
1,2-Dichlorobenzene	100	100	1.1	0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
1,3-Dichlorobenzene	17	49	2.4	0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
1,4-Dichlorobenzene	9.8	13	1.8	0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
Methyl tert butyl ether	62	100	0.93	0.0019	U	0.00046	J	0.0017	U	0.0021	U	0.0018	U	0.0017	U
p/m-Xylene				0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
o-Xylene				0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00089	U	0.00086	U
Xylenes, Total	100	100	0.26	0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00089	U	0.00086	U
cis-1,2-Dichloroethene	59	100	0.25	0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00089	U	0.00086	U
1,2-Dichloroethene, Total				0.00068	J	0.00056	J	0.00052	J	0.00018	J	0.00061	J	0.00042	J
Dibromomethane				0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
Styrene				0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00089	U	0.00086	U
Dichlorodifluoromethane				0.0093	U	0.0087	U	0.0083	U	0.01	U	0.0089	U	0.0086	U
Acetone	100	100	0.05	0.18		0.26		0.1		0.045		0.12		0.12	
Carbon disulfide				0.0093	U	0.0087	U	0.0083	U	0.01	U	0.0089	U	0.0086	U
2-Butanone	100	100	0.12	0.0093	U	0.0035	J	0.0083	U	0.0026	J	0.0032	J	0.0086	U
Vinyl acetate				0.0093	U	0.0087	U	0.0083	U	0.01	U	0.0089	U	0.0086	U
4-Methyl-2-pentanone				0.0093	U	0.0087	U	0.0083	U	0.01	U	0.0089	U	0.0086	U
1,2,3-Trichloropropane				0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
2-Hexanone				0.0093	U	0.0087	U	0.0083	U	0.01	U	0.0089	U	0.0086	U
Bromochloromethane				0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
2,2-Dichloropropane				0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
1,2-Dibromoethane				0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00089	U	0.00086	U
1,3-Dichloropropane				0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
1,1,1,2-Tetrachloroethane				0.00046	U	0.00043	U	0.00042	U	0.00052	U	0.00044	U	0.00043	U
Bromobenzene				0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
n-Butylbenzene	100	100	12	0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00089	U	0.00086	U
sec-Butylbenzene	100	100	11	0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00089	U	0.00086	U
tert-Butylbenzene	100	100	5.9	0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
o-Chlorotoluene				0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
p-Chlorotoluene				0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
1,2-Dibromo-3-chloropropane				0.0028	U	0.0026	U	0.0025	U	0.0031	U	0.0027	U	0.0026	U
Hexachlorobutadiene				0.0037	U	0.0035	U	0.0033	U	0.0041	U	0.0036	U	0.0034	U
Isopropylbenzene				0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00089	U	0.00086	U
p-Isopropyltoluene				0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00089	U	0.00086	U
Naphthalene	100	100	12	0.0037	U	0.0035	U	0.0033	U	0.0041	U	0.0036	U	0.0034	U
Acrylonitrile				0.0037	U	0.0035	U	0.0033	U	0.0041	U	0.0036	U	0.0034	U
n-Propylbenzene	100	100	3.9	0.00093	U	0.00087	U	0.00083	U	0.001	U	0.00089	U	0.00086	U
1,2,3-Trichlorobenzene				0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
1,2,4-Trichlorobenzene				0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
1,3,5-Trimethylbenzene	47	52	8.4	0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
1,2,4-Trimethylbenzene	47	52	3.6	0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
1,4-Dioxane	9.8	13	0.1	0.074	U	0.069	U	0.066	U	0.083	U	0.071	U	0.069	U
p-Diethylbenzene				0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
p-Ethyltoluene				0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
1,2,4,5-Tetramethylbenzene				0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
Ethyl ether				0.0019	U	0.0017	U	0.0017	U	0.0021	U	0.0018	U	0.0017	U
trans-1,4-Dichloro-2-butene				0.0046	U	0.0043	U	0.0042	U	0.0052	U	0.0044	U	0.0043	U

*T There are no TICs reported for the sample
* : LCS or LCSD is outside acceptance limits.
SCOs: Soil Cleanup Objectives
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.
Exceeds Unrestricted Criteria
Reporting limit exceeds one or more standards

Table 5.9A
Volatile Organic Compounds in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	B-6 (1-2)		B-10 (2-3)		B-10 (7-8)		B-10 (11-12)		B-15 (3-4)		B-15 (6-7)	
SAMPLING DATE	Residential	Restricted	Unrestricted	9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019	
LAB SAMPLE ID	Use	Residential	Use	L1941309-13		L1941309-14		L1941309-15		L1941309-16		L1941309-17		L1941309-18	
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm												
Volatile Organics by EPA 5035															
Methylene chloride	51	100	0.05	0.0047	U	0.0055	U	0.0046	U	0.0049	U	0.0044	U	0.0046	U
1,1-Dichloroethane	19	26	0.27	0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
Chloroform	10	49	0.37	0.00013	J	0.0016	U	0.0014	U	0.0015	U	0.00012	J	0.0014	U
Carbon tetrachloride	1.4	2.4	0.76	0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
1,2-Dichloropropane				0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
Dibromochloromethane				0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
1,1,2-Trichloroethane				0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
Tetrachloroethene	5.5	19	1.3	0.00047	U	0.00055	U	0.00046	U	0.00049	U	0.00044	U	0.00046	U
Chlorobenzene	100	100	1.1	0.00047	U	0.00055	U	0.00046	U	0.00049	U	0.00044	U	0.00046	U
Trichlorofluoromethane				0.0038	U	0.0044	U	0.0037	U	0.0039	U	0.0036	U	0.0036	U
1,2-Dichloroethane	2.3	3.1	0.02	0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
1,1,1-Trichloroethane	100	100	0.68	0.00047	U	0.00055	U	0.00046	U	0.00049	U	0.00044	U	0.00046	U
Bromodichloromethane				0.00047	U	0.00055	U	0.00046	U	0.00049	U	0.00044	U	0.00046	U
trans-1,3-Dichloropropene				0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
cis-1,3-Dichloropropene				0.00047	U	0.00055	U	0.00046	U	0.00049	U	0.00044	U	0.00046	U
1,3-Dichloropropene, Total				0.00047	U	0.00055	U	0.00046	U	0.00049	U	0.00044	U	0.00046	U
1,1-Dichloropropene				0.00047	U	0.00055	U	0.00046	U	0.00049	U	0.00044	U	0.00046	U
Bromoform				0.0038	U	0.0044	U	0.0037	U	0.0039	U	0.0036	U	0.0036	U
1,1,2,2-Tetrachloroethane				0.00047	U	0.00055	U	0.00046	U	0.00049	U	0.00044	U	0.00046	U
Benzene	2.9	4.8	0.06	0.00047	U	0.00055	U	0.00046	U	0.00049	U	0.00044	U	0.00046	U
Toluene	100	100	0.7	0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
Ethylbenzene	30	41	1	0.00094	U	0.00019	J	0.00092	U	0.00098	U	0.00089	U	0.00091	U
Chloromethane				0.0038	U	0.0044	U	0.0037	U	0.0039	U	0.0036	U	0.0036	U
Bromomethane				0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
Vinyl chloride	0.21	0.9	0.02	0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
Chloroethane				0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
1,1-Dichloroethene	100	100	0.33	0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
trans-1,2-Dichloroethene	100	100	0.19	0.00065	J	0.0004	J	0.00025	J	0.00024	J	0.0003	J	0.00026	J
Trichloroethene	10	21	0.47	0.0011		0.00055	U	0.00046	U	0.00049	U	0.00044	U	0.00046	U
1,2-Dichlorobenzene	100	100	1.1	0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
1,3-Dichlorobenzene	17	49	2.4	0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
1,4-Dichlorobenzene	9.8	13	1.8	0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
Methyl tert butyl ether	62	100	0.93	0.0019	U	0.0022	U	0.0018	U	0.002	U	0.001	J	0.001	J
p/m-Xylene				0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
o-Xylene				0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
Xylenes, Total	100	100	0.26	0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
cis-1,2-Dichloroethene	59	100	0.25	0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
1,2-Dichloroethene, Total				0.00065	J	0.0004	J	0.00025	J	0.00024	J	0.0003	J	0.00026	J
Dibromomethane				0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
Styrene				0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
Dichlorodifluoromethane				0.0094	U	0.011	U	0.0092	U	0.0098	U	0.0089	U	0.0091	U
Acetone	100	100	0.05	0.12		0.1		0.0092	U	0.13		0.37	E	0.51	E
Carbon disulfide				0.0094	U	0.011	U	0.0092	U	0.0098	U	0.0089	U	0.0091	U
2-Butanone	100	100	0.12	0.0033	J	0.0029	J	0.0092	U	0.0098	U	0.004	J	0.0066	J
Vinyl acetate				0.0094	U	0.011	U	0.0092	U	0.0098	U	0.0089	U	0.0091	U
4-Methyl-2-pentanone				0.0094	U	0.011	U	0.0092	U	0.0098	U	0.0089	U	0.0091	U
1,2,3-Trichloropropane				0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
2-Hexanone				0.0094	U	0.011	U	0.0092	U	0.0098	U	0.0089	U	0.0091	U
Bromochloromethane				0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
2,2-Dichloropropane				0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
1,2-Dibromoethane				0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
1,3-Dichloropropane				0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
1,1,1,2-Tetrachloroethane				0.00047	U	0.00055	U	0.00046	U	0.00049	U	0.00044	U	0.00046	U
Bromobenzene				0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
n-Butylbenzene	100	100	12	0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
sec-Butylbenzene	100	100	11	0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
tert-Butylbenzene	100	100	5.9	0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
o-Chlorotoluene				0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
p-Chlorotoluene				0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
1,2-Dibromo-3-chloropropane				0.0028	U	0.0033	U	0.0028	U	0.0029	U	0.0027	U	0.0027	U
Hexachlorobutadiene				0.0038	U	0.0044	U	0.0037	U	0.0039	U	0.0036	U	0.0036	U
Isopropylbenzene				0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
p-Isopropyltoluene				0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
Naphthalene	100	100	12	0.0038	U	0.0044	U	0.0037	U	0.0039	U	0.0036	U	0.0036	U
Acrylonitrile				0.0038	U	0.0044	U	0.0037	U	0.0039	U	0.0036	U	0.0036	U
n-Propylbenzene	100	100	3.9	0.00094	U	0.0011	U	0.00092	U	0.00098	U	0.00089	U	0.00091	U
1,2,3-Trichlorobenzene				0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
1,2,4-Trichlorobenzene				0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
1,3,5-Trimethylbenzene	47	52	8.4	0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
1,2,4-Trimethylbenzene	47	52	3.6	0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
1,4-Dioxane	9.8	13	0.1	0.076	U	0.088	U	0.074	U	0.078	U	0.071	U	0.073	U
p-Diethylbenzene				0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
p-Ethyltoluene				0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
1,2,4,5-Tetramethylbenzene				0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
Ethyl ether				0.0019	U	0.0022	U	0.0018	U	0.002	U	0.0018	U	0.0018	U
trans-1,4-Dichloro-2-butene				0.0047	U	0.0055	U	0.0046	U	0.0049	U	0.0044	U	0.0046	U

*T There are no TICs reported for the sample
* : LCS or LCSD is outside acceptance limits.
SCOs: Soil Cleanup Objectives
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.
Exceeds Unrestricted Criteria
Reporting limit exceeds one or more standards

Table 5.9A
Volatile Organic Compounds in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	B-4 (4-5)		B-4 (7-8)		B-9 (3-4)		B-9 (6-7)		B-14 (8-9)		B-14 (2-3)	
SAMPLING DATE	Residential	Restricted	Unrestricted	9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019	
LAB SAMPLE ID	Use	Residential	Use	L1941584-04		L1941584-05		L1941584-07		L1941584-08		L1941584-09		L1941584-10	
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm												
Volatile Organics by EPA 5035															
Methylene chloride	51	100	0.05	0.38	U	0.0053	U	0.02		0.0048	U	0.005	U	0.0048	U
1,1-Dichloroethane	19	26	0.27	0.076	U	0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
Chloroform	10	49	0.37	0.014	J	0.00019	J	0.00028	J	0.00018	J	0.00019	J	0.00019	J
Carbon tetrachloride	1.4	2.4	0.76	0.076	U	0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
1,2-Dichloropropane				0.076	U	0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
Dibromochloromethane				0.076	U	0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
1,1,2-Trichloroethane				0.076	U	0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
Tetrachloroethene	5.5	19	1.3	0.038	U	0.00053	U	0.00036	J	0.00048	U	0.0005	U	0.00048	U
Chlorobenzene	100	100	1.1	0.038	U	0.00053	U	0.00078	U	0.00048	U	0.0005	U	0.00048	U
Trichlorofluoromethane				0.3	U	0.0042	U	0.0063	U	0.0038	U	0.004	U	0.0039	U
1,2-Dichloroethane	2.3	3.1	0.02	0.076	U	0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
1,1,1-Trichloroethane	100	100	0.68	0.038	U	0.00053	U	0.00078	U	0.00048	U	0.0005	U	0.00048	U
Bromodichloromethane				0.038	U	0.00053	U	0.00078	U	0.00048	U	0.0005	U	0.00048	U
trans-1,3-Dichloropropene				0.076	U	0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
cis-1,3-Dichloropropene				0.038	U	0.00053	U	0.00078	U	0.00048	U	0.0005	U	0.00048	U
1,3-Dichloropropene, Total				0.038	U	0.00053	U	0.00078	U	0.00048	U	0.0005	U	0.00048	U
1,1-Dichloropropene				0.038	U	0.00053	U	0.00078	U	0.00048	U	0.0005	U	0.00048	U
Bromoform				0.3	U	0.0042	U	0.0063	U	0.0038	U	0.004	U	0.0039	U
1,1,2,2-Tetrachloroethane				0.038	U	0.00053	U	0.00078	U	0.00048	U	0.0005	U	0.00048	U
Benzene	2.9	4.8	0.06	0.013	J	0.00053	U	0.00078		0.00048	U	0.0005	U	0.00048	U
Toluene	100	100	0.7	0.098		0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
Ethylbenzene	30	41	1	0.1		0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
Chloromethane				0.3	U	0.0042	U	0.0063	U	0.0038	U	0.004	U	0.0039	U
Bromomethane				0.15	U	0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
Vinyl chloride	0.21	0.9	0.02	0.076	U	0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
Chloroethane				0.15	U	0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
1,1-Dichloroethene	100	100	0.33	0.076	U	0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
trans-1,2-Dichloroethene	100	100	0.19	0.11	U	0.00036	J	0.00077	J	0.00041	J	0.00029	J	0.00014	J
Trichloroethene	10	21	0.47	0.038	U	0.00053	U	0.00078	U	0.00048	U	0.0005	U	0.00048	U
1,2-Dichlorobenzene	100	100	1.1	0.15	U	0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
1,3-Dichlorobenzene	17	49	2.4	0.15	U	0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
1,4-Dichlorobenzene	9.8	13	1.8	0.088	J	0.0021	U	0.0028	J	0.0019	U	0.002	U	0.0019	U
Methyl tert butyl ether	62	100	0.93	0.15	U	0.0011	J	0.002	J	0.00037	J	0.00032	J	0.00027	J
p/m-Xylene				0.17		0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
o-Xylene				0.057	J	0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
Xylenes, Total	100	100	0.26	0.23	J	0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
cis-1,2-Dichloroethene	59	100	0.25	0.076	U	0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
1,2-Dichloroethene, Total				0.076	U	0.00036	J	0.00077	J	0.00041	J	0.00029	J	0.00014	J
Dibromomethane				0.15	U	0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
Styrene				0.076	U	0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
Dichlorodifluoromethane				0.76	U	0.01	U	0.016	U	0.0095	U	0.01	U	0.0097	U
Acetone	100	100	0.05	0.76	U	0.36	E	0.48	E	0.27		0.1		0.082	
Carbon disulfide				0.76	U	0.01	U	0.016	U	0.0095	U	0.01	U	0.0097	U
2-Butanone	100	100	0.12	0.76	U	0.0061	J	0.0064	J	0.0095	U	0.01	U	0.0097	U
Vinyl acetate				0.76	U	0.01	U	0.016	U	0.0095	U	0.01	U	0.0097	U
4-Methyl-2-pentanone				0.76	U	0.01	U	0.016	U	0.0095	U	0.01	U	0.0097	U
1,2,3-Trichloropropane				0.15	U	0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
2-Hexanone				0.76	U	0.01	U	0.016	U	0.0095	U	0.01	U	0.0097	U
Bromochloromethane				0.15	U	0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
2,2-Dichloropropane				0.15	U	0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
1,2-Dibromoethane				0.076	U	0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
1,3-Dichloropropane				0.15	U	0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
1,1,1,2-Tetrachloroethane				0.038	U	0.00053	U	0.00078	U	0.00048	U	0.0005	U	0.00048	U
Bromobenzene				0.15	U	0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
n-Butylbenzene	100	100	12	0.22		0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
sec-Butylbenzene	100	100	11	0.21		0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
tert-Butylbenzene	100	100	5.9	0.012	J	0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
o-Chlorotoluene				0.15	U	0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
p-Chlorotoluene				0.15	U	0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
1,2-Dibromo-3-chloropropane				0.23	U	0.0032	U	0.0047	U	0.0028	U	0.003	U	0.0029	U
Hexachlorobutadiene				0.3	U	0.0042	U	0.0063	U	0.0038	U	0.004	U	0.0039	U
Isopropylbenzene				0.036	J	0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
p-Isopropyltoluene				0.027	J	0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
Naphthalene	100	100	12	1		0.0042	U	0.0063	U	0.0038	U	0.004	U	0.0039	U
Acrylonitrile				0.3	U	0.0042	U	0.0063	U	0.0038	U	0.004	U	0.0039	U
n-Propylbenzene	100	100	3.9	0.12		0.001	U	0.0016	U	0.00095	U	0.001	U	0.00097	U
1,2,3-Trichlorobenzene				0.15	U	0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
1,2,4-Trichlorobenzene				0.15	U	0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
1,3,5-Trimethylbenzene	47	52	8.4	0.031	J	0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
1,2,4-Trimethylbenzene	47	52	3.6	0.18		0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
1,4-Dioxane	9.8	13	0.1	6.1	U	0.085	U	0.12	U	0.076	U	0.08	U	0.077	U
p-Diethylbenzene				0.18		0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
p-Ethyltoluene				0.21		0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
1,2,4,5-Tetramethylbenzene				0.88		0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
Ethyl ether				0.15	U	0.0021	U	0.0031	U	0.0019	U	0.002	U	0.0019	U
trans-1,4-Dichloro-2-butene				0.38	U	0.0053	U	0.0078	U	0.0048	U	0.005	U	0.0048	U

*T There are no TICs reported for the sample
* : LCS or LCSD is outside acceptance limits.
SCOs: Soil Cleanup Objectives
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.
Exceeds Unrestricted Criteria
Reporting limit exceeds one or more standards

Table 5.9A
Volatile Organic Compounds in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	B-13 (3-4)		B-13 (6-7)		B-8 (4-5)		B-8 (5-6)		B-3 (4-5)		B-3 (6-7)	
SAMPLING DATE	Residential	Restricted	Unrestricted	9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019	
LAB SAMPLE ID	Use	Residential	Use	L1941584-11		L1941584-12		L1941584-13		L1941584-14		L1941584-15		L1941584-16	
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm												
Volatile Organics by EPA 5035															
Methylene chloride	51	100	0.05	0.0052	U	0.0067	U	0.0044	U	0.0022	J	0.0089	U	0.0052	U
1,1-Dichloroethane	19	26	0.27	0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
Chloroform	10	49	0.37	0.00022	J	0.00039	J	0.00024	J	0.00024	J	0.0027	U	0.0016	U
Carbon tetrachloride	1.4	2.4	0.76	0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
1,2-Dichloropropane				0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
Dibromochloromethane				0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
1,1,2-Trichloroethane				0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
Tetrachloroethene	5.5	19	1.3	0.00052	U	0.00067	U	0.00044	U	0.00046	U	0.00054	J	0.00052	U
Chlorobenzene	100	100	1.1	0.00052	U	0.00067	U	0.00044	U	0.00046	U	0.00089	U	0.00052	U
Trichlorofluoromethane				0.0042	U	0.0054	U	0.0036	U	0.0037	U	0.0071	U	0.0042	U
1,2-Dichloroethane	2.3	3.1	0.02	0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
1,1,1-Trichloroethane	100	100	0.68	0.00052	U	0.00067	U	0.00044	U	0.00046	U	0.00089	U	0.00052	U
Bromodichloromethane				0.00052	U	0.00067	U	0.00044	U	0.00046	U	0.00089	U	0.00052	U
trans-1,3-Dichloropropene				0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
cis-1,3-Dichloropropene				0.00052	U	0.00067	U	0.00044	U	0.00046	U	0.00089	U	0.00052	U
1,3-Dichloropropene, Total				0.00052	U	0.00067	U	0.00044	U	0.00046	U	0.00089	U	0.00052	U
1,1-Dichloropropene				0.00052	U	0.00067	U	0.00044	U	0.00046	U	0.00089	U	0.00052	U
Bromoform				0.0042	U	0.0054	U	0.0036	U	0.0037	U	0.0071	U	0.0042	U
1,1,2,2-Tetrachloroethane				0.00052	U	0.00067	U	0.00044	U	0.00046	U	0.00089	U	0.00052	U
Benzene	2.9	4.8	0.06	0.00052	U	0.00067	U	0.00044	U	0.00046	U	0.00079	J	0.00052	U
Toluene	100	100	0.7	0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
Ethylbenzene	30	41	1	0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
Chloromethane				0.0042	U	0.0054	U	0.0036	U	0.0037	U	0.0071	U	0.0042	U
Bromomethane				0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
Vinyl chloride	0.21	0.9	0.02	0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
Chloroethane				0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
1,1-Dichloroethene	100	100	0.33	0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
trans-1,2-Dichloroethene	100	100	0.19	0.00034	J	0.00047	J	0.00024	J	0.00048	J	0.00043	J	0.00025	J
Trichloroethene	10	21	0.47	0.00052	U	0.00067	U	0.00012	J	0.00046	U	0.00089	U	0.00052	U
1,2-Dichlorobenzene	100	100	1.1	0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
1,3-Dichlorobenzene	17	49	2.4	0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
1,4-Dichlorobenzene	9.8	13	1.8	0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
Methyl tert butyl ether	62	100	0.93	0.00038	J	0.0008	J	0.0005	J	0.00051	J	0.0006	J	0.0004	J
p/m-Xylene				0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
o-Xylene				0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
Xylenes, Total	100	100	0.26	0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
cis-1,2-Dichloroethene	59	100	0.25	0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
1,2-Dichloroethene, Total				0.00034	J	0.00047	J	0.00024	J	0.00048	J	0.00043	J	0.00025	J
Dibromomethane				0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
Styrene				0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
Dichlorodifluoromethane				0.01	U	0.013	U	0.0089	U	0.0093	U	0.018	U	0.01	U
Acetone	100	100	0.05	0.22		0.072		0.86	E	0.78	E	0.62	E	0.49	E
Carbon disulfide				0.01	U	0.013	U	0.0089	U	0.0093	U	0.018	U	0.01	U
2-Butanone	100	100	0.12	0.01	U	0.013	U	0.0089	U	0.0093	U	0.012	J	0.01	U
Vinyl acetate				0.01	U	0.013	U	0.0089	U	0.0093	U	0.018	U	0.01	U
4-Methyl-2-pentanone				0.01	U	0.013	U	0.0089	U	0.0093	U	0.018	U	0.01	U
1,2,3-Trichloropropane				0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
2-Hexanone				0.01	U	0.013	U	0.0089	U	0.0093	U	0.018	U	0.01	U
Bromochloromethane				0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
2,2-Dichloropropane				0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
1,2-Dibromoethane				0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
1,3-Dichloropropane				0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
1,1,1,2-Tetrachloroethane				0.00052	U	0.00067	U	0.00044	U	0.00046	U	0.00089	U	0.00052	U
Bromobenzene				0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
n-Butylbenzene	100	100	12	0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
sec-Butylbenzene	100	100	11	0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
tert-Butylbenzene	100	100	5.9	0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
o-Chlorotoluene				0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
p-Chlorotoluene				0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
1,2-Dibromo-3-chloropropane				0.0031	U	0.004	U	0.0027	U	0.0028	U	0.0054	U	0.0032	U
Hexachlorobutadiene				0.0042	U	0.0054	U	0.0036	U	0.0037	U	0.0071	U	0.0042	U
Isopropylbenzene				0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
p-Isopropyltoluene				0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
Naphthalene	100	100	12	0.0042	U	0.0054	U	0.0036	U	0.0037	U	0.041		0.0042	U
Acrylonitrile				0.0042	U	0.0054	U	0.0036	U	0.0037	U	0.0071	U	0.0042	U
n-Propylbenzene	100	100	3.9	0.001	U	0.0013	U	0.00089	U	0.00093	U	0.0018	U	0.001	U
1,2,3-Trichlorobenzene				0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
1,2,4-Trichlorobenzene				0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
1,3,5-Trimethylbenzene	47	52	8.4	0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.00051	J	0.0021	U
1,2,4-Trimethylbenzene	47	52	3.6	0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.00064	J	0.0021	U
1,4-Dioxane	9.8	13	0.1	0.083	U	0.11	U	0.071	U	0.074	U	0.14	U	0.084	U
p-Diethylbenzene				0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.00057	J	0.0021	U
p-Ethyltoluene				0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
1,2,4,5-Tetramethylbenzene				0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
Ethyl ether				0.0021	U	0.0027	U	0.0018	U	0.0018	U	0.0036	U	0.0021	U
trans-1,4-Dichloro-2-butene				0.0052	U	0.0067	U	0.0044	U	0.0046	U	0.0089	U	0.0052	U

*T There are no TICs reported for the sample
* : LCS or LCSD is outside acceptance limits.
SCOs: Soil Cleanup Objectives
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.
Exceeds Unrestricted Criteria
Reporting limit exceeds one or more standards

Table 5.9A
Volatile Organic Compounds in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	DUP		B-19 (4'-5')		B-19 (5.5'-6.5')		B-12 (3'-4')		B-12 (8'-9')		B-18 (2'-3')		B-17 (1.5'-2.5')	
SAMPLING DATE	Residential	Restricted	Unrestricted	9/11/2019		10/30/2019		10/30/2019		10/30/2019		10/30/2019		10/30/2019		10/30/2019	
LAB SAMPLE ID	Use	Residential	Use	L1941584-17		L1951248-01		L1951248-02		L1951248-03		L1951248-04		L1951248-05		L1951248-06	
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm														
Volatile Organics by EPA 5035																	
Methylene chloride	51	100	0.05	0.0047	U	0.0053	U	0.0051	U	0.0045	U	0.0054	U	0.005	U	0.005	U
1,1-Dichloroethane	19	26	0.27	0.00094	U	0.00039	J	0.002		0.00091	U	0.0002	J	0.001	U	0.001	U
Chloroform	10	49	0.37	0.0014	U	0.0016	U	0.0015	U	0.0014	U	0.0016	U	0.00016	J	0.00027	J
Carbon tetrachloride	1.4	2.4	0.76	0.00094	U	0.0011	U	0.001	U	0.00091	U	0.0011	U	0.001	U	0.001	U
1,2-Dichloropropane				0.00094	U	0.0011	U	0.001	U	0.00091	U	0.0011	U	0.001	U	0.001	U
Dibromochloromethane				0.00094	U	0.0011	U	0.001	U	0.00091	U	0.0011	U	0.001	U	0.001	U
1,1,2-Trichloroethane				0.00094	U	0.0011	U	0.001	U	0.00091	U	0.00031	J	0.001	U	0.001	U
Tetrachloroethene	5.5	19	1.3	0.00047	U	0.00051	J	0.0016		0.003		0.0016		0.0069		0.001	
Chlorobenzene	100	100	1.1	0.00047	U	0.00053	U	0.00051	U	0.00045	U	0.00054	U	0.0005	U	0.0005	U
Trichlorofluoromethane				0.0038	U	0.0042	U	0.004	U	0.0036	U	0.0043	U	0.004	U	0.004	U
1,2-Dichloroethane	2.3	3.1	0.02	0.00094	U	0.0011	U	0.001	U	0.00091	U	0.0011	U	0.001	U	0.001	U
1,1,1-Trichloroethane	100	100	0.68	0.00047	U	0.00053	U	0.0019		0.00072		0.016		0.0005	U	0.0011	
Bromodichloromethane				0.00047	U	0.00053	U	0.00051	U	0.00045	U	0.00054	U	0.0005	U	0.0005	U
trans-1,3-Dichloropropene				0.00094	U	0.0011	U	0.001	U	0.00091	U	0.0011	U	0.001	U	0.001	U
cis-1,3-Dichloropropene				0.00047	U	0.00053	U	0.00051	U	0.00045	U	0.00054	U	0.0005	U	0.0005	U
1,3-Dichloropropene, Total				0.00047	U	0.00053	U	0.00051	U	0.00045	U	0.00054	U	0.0005	U	0.0005	U
1,1-Dichloropropene				0.00047	U	0.00053	U	0.00051	U	0.00045	U	0.00054	U	0.0005	U	0.0005	U
Bromoform				0.0038	U	0.0042	U	0.004	U	0.0036	U	0.0043	U	0.004	U	0.004	U
1,1,2,2-Tetrachloroethane				0.00047	U	0.00053	U	0.00051	U	0.00045	U	0.00054	U	0.0005	U	0.0005	U
Benzene	2.9	4.8	0.06	0.00047	U	0.00053	U	0.00051	U	0.00045	U	0.00054	U	0.0005	U	0.0005	U
Toluene	100	100	0.7	0.00094	U	0.0011	U	0.001	U	0.00091	U	0.0011	U	0.001	U	0.001	U
Ethylbenzene	30	41	1	0.00094	U	0.0011	U	0.001	U	0.00091	U	0.0011	U	0.001	U	0.001	U
Chloromethane				0.0038	U	0.0042	U	0.004	U	0.0036	U	0.0043	U	0.004	U	0.004	U
Bromomethane				0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
Vinyl chloride	0.21	0.9	0.02	0.00094	U	0.0011	U	0.001	U	0.00091	U	0.0011	U	0.001	U	0.001	U
Chloroethane				0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
1,1-Dichloroethene	100	100	0.33	0.00094	U	0.00062	J	0.0012		0.00091	U	0.00042	J	0.001	U	0.001	U
trans-1,2-Dichloroethene	100	100	0.19	0.0014	U	0.0016	U	0.0015	U	0.0014	U	0.0016	U	0.0015	U	0.0015	U
Trichloroethene	10	21	0.47	0.00047	U	0.0049		0.063		0.004		0.34	E	0.00081		0.0014	
1,2-Dichlorobenzene	100	100	1.1	0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
1,3-Dichlorobenzene	17	49	2.4	0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
1,4-Dichlorobenzene	9.8	13	1.8	0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
Methyl tert butyl ether	62	100	0.93	0.00031	J	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
p/m-Xylene				0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
o-Xylene				0.00094	U	0.0011	U	0.001	U	0.00091	U	0.0011	U	0.001	U	0.001	U
Xylenes, Total	100	100	0.26	0.00094	U	0.0011	U	0.001	U	0.00091	U	0.0011	U	0.001	U	0.001	U
cis-1,2-Dichloroethene	59	100	0.25	0.00094	U	0.00027	J	0.00029	J	0.00091	U	0.0011	U	0.001	U	0.001	U
1,2-Dichloroethene, Total				0.00094	U	0.00027	J	0.00029	J	0.00091	U	0.0011	U	0.001	U	0.001	U
Dibromomethane				0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
Styrene				0.00094	U	0.0011	U	0.001	U	0.00091	U	0.0011	U	0.001	U	0.001	U
Dichlorodifluoromethane				0.0094	U	0.011	U	0.01	U	0.0091	U	0.011	U	0.01	U	0.01	U
Acetone	100	100	0.05	0.53	E	0.013		0.02		0.0091	U	0.0052	J	0.01	U	0.01	
Carbon disulfide				0.0094	U	0.011	U	0.01	U	0.0091	U	0.011	U	0.01	U	0.01	U
2-Butanone	100	100	0.12	0.0094	U	0.011	U	0.0034	J	0.0091	U	0.011	U	0.01	U	0.01	U
Vinyl acetate				0.0094	U	0.011	U	0.01	U	0.0091	U	0.011	U	0.01	U	0.01	U
4-Methyl-2-pentanone				0.0094	U	0.011	U	0.01	U	0.0091	U	0.011	U	0.01	U	0.01	U
1,2,3-Trichloropropane				0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
2-Hexanone				0.0094	U	0.011	U	0.01	U	0.0091	U	0.011	U	0.01	U	0.01	U
Bromochloromethane				0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
2,2-Dichloropropane				0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
1,2-Dibromoethane				0.00094	U	0.0011	U	0.001	U	0.00091	U	0.0011	U	0.001	U	0.001	U
1,3-Dichloropropane				0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
1,1,1,2-Tetrachloroethane				0.00047	U	0.00053	U	0.00051	U	0.00045	U	0.00054	U	0.0005	U	0.0005	U
Bromobenzene				0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
n-Butylbenzene	100	100	12	0.00094	U	0.0011	U	0.001	U	0.00091	U	0.0011	U	0.001	U	0.001	U
sec-Butylbenzene	100	100	11	0.00094	U	0.0011	U	0.001	U	0.00091	U	0.0011	U	0.001	U	0.001	U
tert-Butylbenzene	100	100	5.9	0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
o-Chlorotoluene				0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
p-Chlorotoluene				0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
1,2-Dibromo-3-chloropropane				0.0028	U	0.0032	U	0.003	U	0.0027	U	0.0032	U	0.003	U	0.003	U
Hexachlorobutadiene				0.0038	U	0.0042	U	0.004	U	0.0036	U	0.0043	U	0.004	U	0.004	U
Isopropylbenzene				0.00094	U	0.0011	U	0.001	U	0.00091	U	0.0011	U	0.001	U	0.001	U
p-Isopropyltoluene				0.00094	U	0.0011	U	0.001	U	0.00091	U	0.0011	U	0.001	U	0.001	U
Naphthalene	100	100	12	0.0038	U	0.0042	U	0.004	U	0.0036	U	0.0043	U	0.004	U	0.004	U
Acrylonitrile				0.0038	U	0.0042	U	0.004	U	0.0036	U	0.0043	U	0.004	U	0.004	U
n-Propylbenzene	100	100	3.9	0.00094	U	0.0011	U	0.001	U	0.00091	U	0.0011	U	0.001	U	0.001	U
1,2,3-Trichlorobenzene				0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
1,2,4-Trichlorobenzene				0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
1,3,5-Trimethylbenzene	47	52	8.4	0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
1,2,4-Trimethylbenzene	47	52	3.6	0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
1,4-Dioxane	9.8	13	0.1	0.075	U	0.085	U	0.081	U	0.072	U	0.086	U	0.081	U	0.08	U
p-Diethylbenzene				0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
p-Ethyltoluene				0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
1,2,4,5-Tetramethylbenzene				0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
Ethyl ether				0.0019	U	0.0021	U	0.002	U	0.0018	U	0.0022	U	0.002	U	0.002	U
trans-1,4-Dichloro-2-butene				0.0047	U	0.0053	U	0.0051	U	0.0045	U	0.0054	U	0.005	U	0.005	U

*T There are no TICs reported for the sample
* : LCS or LCSD is outside acceptance limits.
SCOs: Soil Cleanup Objectives
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.
Exceeds Unrestricted Criteria
Reporting limit exceeds one or more standards

Table 5.9B
Semivolatile Organic Compounds
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	B-2 (3-4)		B-2 (6-7)		B-7 (1-2)		B-16 (3-4)		B-16 (7-8)		B-1 (2-3)		B-1 (5-6)	
SAMPLING DATE	Residential	Restricted	Unrestricted	9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019	
LAB SAMPLE ID	Use	Residential	Use	L1941309-01		L1941309-02		L1941309-03		L1941309-04		L1941309-05		L1941309-06		L1941309-07	
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm														
Semivolatile Organics by GC/MS																	
Acenaphthene	100	100	20	0.14	U	0.15	U	0.16	U	0.14	U	0.14	U	0.14	U	0.14	U
1,2,4-Trichlorobenzene				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
Hexachlorobenzene	0.33	1.2	0.33	0.1	U	0.11	U	0.12	U	0.1	U	0.11	U	0.11	U	0.1	U
Bis(2-chloroethyl)ether				0.16	U	0.16	U	0.18	U	0.16	U	0.16	U	0.16	U	0.16	U
2-Chloronaphthalene				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	100	100	1.1	0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	17	49	2.4	0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
1,4-Dichlorobenzene	9.8	13	1.8	0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
3,3'-Dichlorobenzidine				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrotoluene				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
Fluoranthene	100	100	100	0.1	U	0.11	U	0.063	J	0.1	U	0.03	J	0.026	J	0.1	U
4-Chlorophenyl phenyl ether				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
4-Bromophenyl phenyl ether				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
Bis(2-chloroisopropyl)ether				0.21	U	0.22	U	0.24	U	0.21	U	0.22	U	0.21	U	0.21	U
Bis(2-chloroethoxy)methane				0.19	U	0.2	U	0.22	U	0.19	U	0.19	U	0.19	U	0.19	U
Hexachlorobutadiene				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
Hexachlorocyclopentadiene				0.49	U	0.52	U	0.57	U	0.49	U	0.51	U	0.5	U	0.5	U
Hexachloroethane				0.14	U	0.15	U	0.16	U	0.14	U	0.14	U	0.14	U	0.14	U
Isophorone				0.16	U	0.16	U	0.18	U	0.16	U	0.16	U	0.16	U	0.16	U
Naphthalene	100	100	12	0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
Nitrobenzene				0.16	U	0.16	U	0.18	U	0.16	U	0.16	U	0.16	U	0.16	U
NDPA/DPA				0.14	U	0.15	U	0.16	U	0.14	U	0.14	U	0.14	U	0.14	U
n-Nitrosodi-n-propylamine				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
Bis(2-ethylhexyl)phthalate				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
Butyl benzyl phthalate				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
Di-n-butylphthalate				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
Diethyl phthalate				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
Dimethyl phthalate				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
Benzo(a)anthracene	1	1	1	0.1	U	0.11	U	0.034	J	0.1	U	0.11	U	0.022	J	0.1	U
Benzo(a)pyrene	1	1	1	0.14	U	0.15	U	0.16	U	0.14	U	0.14	U	0.14	U	0.14	U
Benzo(b)fluoranthene	1	1	1	0.1	U	0.11	U	0.036	J	0.1	U	0.11	U	0.036	J	0.1	U
Benzo(k)fluoranthene	1	3.9	0.8	0.1	U	0.11	U	0.12	U	0.1	U	0.11	U	0.11	U	0.1	U
Chrysene	1	3.9	1	0.1	U	0.11	U	0.037	J	0.1	U	0.11	U	0.022	J	0.1	U
Acenaphthylene	100	100	100	0.14	U	0.15	U	0.16	U	0.14	U	0.14	U	0.14	U	0.14	U
Anthracene	100	100	100	0.1	U	0.11	U	0.12	U	0.1	U	0.11	U	0.11	U	0.1	U
Benzo(ghi)perylene	100	100	100	0.14	U	0.15	U	0.16	U	0.14	U	0.14	U	0.14	U	0.14	U
Fluorene	100	100	30	0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
Phenanthrene	100	100	100	0.1	U	0.11	U	0.053	J	0.1	U	0.11	U	0.11	U	0.1	U
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.1	U	0.11	U	0.12	U	0.1	U	0.11	U	0.11	U	0.1	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	0.14	U	0.15	U	0.16	U	0.14	U	0.14	U	0.14	U	0.14	U
Pyrene	100	100	100	0.1	U	0.11	U	0.05	J	0.1	U	0.025	J	0.024	J	0.1	U
Biphenyl				0.39	U	0.42	U	0.46	U	0.39	U	0.41	U	0.4	U	0.4	U
4-Chloroaniline				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
2-Nitroaniline				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
3-Nitroaniline				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
Dibenzofuran	14	59	7	0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
2-Methylnaphthalene				0.21	U	0.22	U	0.24	U	0.21	U	0.22	U	0.21	U	0.21	U
1,2,4,5-Tetrachlorobenzene				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
Acetophenone				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
2,4,6-Trichlorophenol				0.1	U	0.11	U	0.12	U	0.1	U	0.11	U	0.11	U	0.1	U
p-Chloro-m-cresol				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
2-Chlorophenol				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
2,4-Dichlorophenol				0.16	U	0.16	U	0.18	U	0.16	U	0.16	U	0.16	U	0.16	U
2,4-Dimethylphenol				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
2-Nitrophenol				0.37	U	0.39	U	0.43	U	0.37	U	0.39	U	0.38	U	0.38	U
4-Nitrophenol				0.24	U	0.26	U	0.28	U	0.24	U	0.25	U	0.25	U	0.24	U
2,4-Dinitrophenol				0.83	U	0.88	U	0.96	U	0.83	U	0.86	U	0.85	U	0.84	U
4,6-Dinitro-o-cresol				0.45	U	0.48	U	0.52	U	0.45	U	0.47	U	0.46	U	0.46	U
Pentachlorophenol	2.4	6.7	0.8	0.14	U	0.15	U	0.16	U	0.14	U	0.14	U	0.14	U	0.14	U
Phenol	100	100	0.33	0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
2-Methylphenol	100	100	0.33	0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	34	100	0.33	0.25	U	0.26	U	0.29	U	0.25	U	0.26	U	0.25	U	0.25	U
2,4,5-Trichlorophenol				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
Benzoic Acid				0.56	U	0.59	U	0.65	U	0.56	U	0.58	U	0.57	U	0.57	U
Benzyl Alcohol				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
Carbazole				0.17	U	0.18	U	0.2	U	0.17	U	0.18	U	0.18	U	0.18	U
1,4-Dioxane	9.8	13	0.1	0.026	U	0.027	U	0.03	U	0.026	U	0.027	U	0.026	U	0.026	U

*T There are no TICs reported for the sample
* : LCS or LCSD is outside acceptance limits.
SCOs: Soil Cleanup Objectives
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Exceeds Restricted Residential Standard
Exceeds Unrestricted Standard
Reporting limit exceeds one or more standards

Table 5.9B
Semivolatile Organic Compounds
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	B-1 (10-11)		B-11 (6-7)		B-11 (0-1)		B-6 (10-11)		B-6 (7-8)		B-6 (1-2)		B-10 (2-3)	
SAMPLING DATE	Residential	Restricted	Unrestricted	9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019	
LAB SAMPLE ID	Use	Residential	Use	L1941309-08		L1941309-09		L1941309-10		L1941309-11		L1941309-12		L1941309-13		L1941309-14	
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm														
Semivolatile Organics by GC/MS																	
Acenaphthene	100	100	20	0.14	U	0.14	U	0.16	U	0.14	U	0.14	U	0.15	U	0.031	J
1,2,4-Trichlorobenzene				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorobenzene	0.33	1.2	0.33	0.1	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U
Bis(2-chloroethyl)ether				0.15	U	0.16	U	0.18	U	0.16	U	0.16	U	0.16	U	0.16	U
2-Chloronaphthalene				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	100	100	1.1	0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	17	49	2.4	0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dichlorobenzene	9.8	13	1.8	0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
3,3'-Dichlorobenzidine				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrotoluene				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Fluoranthene	100	100	100	0.1	U	0.11	U	0.59		0.11	U	0.11	U	0.11	U	0.96	
4-Chlorophenyl phenyl ether				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Bromophenyl phenyl ether				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Bis(2-chloroisopropyl)ether				0.21	U	0.22	U	0.24	U	0.22	U	0.22	U	0.22	U	0.22	U
Bis(2-chloroethoxy)methane				0.18	U	0.2	U	0.22	U	0.2	U	0.2	U	0.2	U	0.2	U
Hexachlorobutadiene				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorocyclopentadiene				0.49	U	0.52	U	0.58	U	0.52	U	0.52	U	0.52	U	0.52	U
Hexachloroethane				0.14	U	0.14	U	0.16	U	0.14	U	0.14	U	0.15	U	0.15	U
Isophorone				0.15	U	0.16	U	0.18	U	0.16	U	0.16	U	0.16	U	0.16	U
Naphthalene	100	100	12	0.17	U	0.18	U	0.038	J	0.18	U	0.18	U	0.18	U	0.18	U
Nitrobenzene				0.15	U	0.16	U	0.18	U	0.16	U	0.16	U	0.16	U	0.16	U
NDPA/DPA				0.14	U	0.14	U	0.16	U	0.14	U	0.14	U	0.15	U	0.15	U
n-Nitrosodi-n-propylamine				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Bis(2-ethylhexyl)phthalate				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Butyl benzyl phthalate				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-butylphthalate				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Diethyl phthalate				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Dimethyl phthalate				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Benzo(a)anthracene	1	1	1	0.1	U	0.11	U	0.31		0.11	U	0.11	U	0.11	U	0.42	
Benzo(a)pyrene	1	1	1	0.14	U	0.14	U	0.24		0.14	U	0.14	U	0.15	U	0.38	
Benzo(b)fluoranthene	1	1	1	0.1	U	0.11	U	0.37		0.11	U	0.11	U	0.11	U	0.53	
Benzo(k)fluoranthene	1	3.9	0.8	0.1	U	0.11	U	0.12		0.11	U	0.11	U	0.11	U	0.16	
Chrysene	1	3.9	1	0.1	U	0.11	U	0.34		0.11	U	0.11	U	0.11	U	0.44	
Acenaphthylene	100	100	100	0.14	U	0.14	U	0.16	U	0.14	U	0.14	U	0.15	U	0.098	J
Anthracene	100	100	100	0.1	U	0.11	U	0.046	J	0.11	U	0.11	U	0.11	U	0.12	
Benzo(ghi)perylene	100	100	100	0.14	U	0.14	U	0.17		0.14	U	0.14	U	0.15	U	0.26	
Fluorene	100	100	30	0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.046	J
Phenanthrene	100	100	100	0.1	U	0.11	U	0.33		0.11	U	0.11	U	0.11	U	0.64	
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.1	U	0.11	U	0.047	J	0.11	U	0.11	U	0.11	U	0.059	J
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	0.14	U	0.14	U	0.18		0.14	U	0.14	U	0.15	U	0.27	
Pyrene	100	100	100	0.1	U	0.11	U	0.47		0.11	U	0.11	U	0.11	U	0.86	
Biphenyl				0.39	U	0.41	U	0.46	U	0.41	U	0.41	U	0.42	U	0.42	U
4-Chloroaniline				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitroaniline				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
3-Nitroaniline				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Dibenzofuran	14	59	7	0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.029	J
2-Methylnaphthalene				0.21	U	0.22	U	0.027	J	0.22	U	0.22	U	0.22	U	0.22	U
1,2,4,5-Tetrachlorobenzene				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Acetophenone				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4,6-Trichlorophenol				0.1	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U
p-Chloro-m-cresol				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chlorophenol				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dichlorophenol				0.15	U	0.16	U	0.18	U	0.16	U	0.16	U	0.16	U	0.16	U
2,4-Dimethylphenol				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitrophenol				0.37	U	0.39	U	0.44	U	0.39	U	0.39	U	0.4	U	0.4	U
4-Nitrophenol				0.24	U	0.25	U	0.28	U	0.25	U	0.25	U	0.26	U	0.26	U
2,4-Dinitrophenol				0.82	U	0.87	U	0.97	U	0.87	U	0.87	U	0.88	U	0.88	U
4,6-Dinitro-o-cresol				0.45	U	0.47	U	0.53	U	0.47	U	0.47	U	0.48	U	0.48	U
Pentachlorophenol	2.4	6.7	0.8	0.14	U	0.14	U	0.16	U	0.14	U	0.14	U	0.15	U	0.15	U
Phenol	100	100	0.33	0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Methylphenol	100	100	0.33	0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	34	100	0.33	0.25	U	0.26	U	0.29	U	0.26	U	0.26	U	0.26	U	0.26	U
2,4,5-Trichlorophenol				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Benzoic Acid				0.56	U	0.59	U	0.66	U	0.59	U	0.59	U	0.6	U	0.59	U
Benzyl Alcohol				0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Carbazole				0.17	U	0.18	U	0.06	J	0.18	U	0.18	U	0.18	U	0.047	J
1,4-Dioxane	9.8	13	0.1	0.026	U	0.027	U	0.03	U	0.027	U	0.027	U	0.028	U	0.028	U

*T There are no TICs reported for the sample
* : LCS or LCSD is outside acceptance limits.
SCOs: Soil Cleanup Objectives
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Exceeds Restricted Residential Standard
Exceeds Unrestricted Standard
Reporting limit exceeds one or more standards

Table 5.9B
Semivolatile Organic Compounds
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	B-10 (7-8)		B-10 (11-12)		B-15 (3-4)		B-15 (6-7)		B-4 (4-5)		B-4 (7-8)		B-9 (3-4)	
SAMPLING DATE	Residential	Restricted	Unrestricted	9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/11/2019		9/11/2019		9/11/2019	
LAB SAMPLE ID	Use	Residential	Use	L1941309-15		L1941309-16		L1941309-17		L1941309-18		L1941584-04		L1941584-05		L1941584-07	
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm														
Semivolatile Organics by GC/MS																	
Acenaphthene	100	100	20	0.065	J	0.14	U	0.14	U	0.15	U	1.9	J	0.15	U	0.064	J
1,2,4-Trichlorobenzene				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
Hexachlorobenzene	0.33	1.2	0.33	0.11	U	0.11	U	0.11	U	0.11	U	2.1	U	0.11	U	0.11	U
Bis(2-chloroethyl)ether				0.17	U	0.16	U	0.16	U	0.17	U	3.2	U	0.16	U	0.17	U
2-Chloronaphthalene				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
1,2-Dichlorobenzene	100	100	1.1	0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
1,3-Dichlorobenzene	17	49	2.4	0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
1,4-Dichlorobenzene	9.8	13	1.8	0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.033	J
3,3'-Dichlorobenzidine				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
2,4-Dinitrotoluene				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
2,6-Dinitrotoluene				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
Fluoranthene	100	100	100	2.9		0.11	U	0.32		0.027	J	41		0.18		4.1	
4-Chlorophenyl phenyl ether				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
4-Bromophenyl phenyl ether				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
Bis(2-chloroisopropyl)ether				0.22	U	0.22	U	0.22	U	0.22	U	4.2	U	0.22	U	0.22	U
Bis(2-chloroethoxy)methane				0.2	U	0.19	U	0.19	U	0.2	U	3.8	U	0.2	U	0.2	U
Hexachlorobutadiene				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
Hexachlorocyclopentadiene				0.54	U	0.52	U	0.51	U	0.53	U	10	U	0.52	U	0.53	U
Hexachloroethane				0.15	U	0.14	U	0.14	U	0.15	U	2.8	U	0.15	U	0.15	U
Isophorone				0.17	U	0.16	U	0.16	U	0.17	U	3.2	U	0.16	U	0.17	U
Naphthalene	100	100	12	0.1	J	0.18	U	0.18	U	0.18	U	1.6	J	0.18	U	0.15	J
Nitrobenzene				0.17	U	0.16	U	0.16	U	0.17	U	3.2	U	0.16	U	0.17	U
NDPA/DPA				0.15	U	0.14	U	0.14	U	0.15	U	2.8	U	0.15	U	0.15	U
n-Nitrosodi-n-propylamine				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
Bis(2-ethylhexyl)phthalate				0.19	U	0.18	U	0.17	J	0.18	U	22		0.18	U	0.14	J
Butyl benzyl phthalate				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
Di-n-butylphthalate				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
Di-n-octylphthalate				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
Diethyl phthalate				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
Dimethyl phthalate				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
Benzo(a)anthracene	1	1	1	1.4		0.11	U	0.18		0.11	U	16		0.11		1.7	
Benzo(a)pyrene	1	1	1	1.4		0.14	U	0.17		0.15	U	14		0.12	J	1.6	
Benzo(b)fluoranthene	1	1	1	1.8		0.11	U	0.22		0.11	U	18		0.15		2.1	
Benzo(k)fluoranthene	1	3.9	0.8	0.66		0.11	U	0.07	J	0.11	U	6		0.044	J	0.7	
Chrysene	1	3.9	1	1.5		0.11	U	0.2		0.11	U	17		0.11		1.8	
Acenaphthylene	100	100	100	0.38		0.14	U	0.038	J	0.15	U	1.7	J	0.15	U	0.37	
Anthracene	100	100	100	0.32		0.11	U	0.038	J	0.11	U	5.9		0.11	U	0.49	
Benzo(ghi)perylene	100	100	100	1		0.14	U	0.12	J	0.15	U	8.6		0.091	J	1.1	
Fluorene	100	100	30	0.093	J	0.18	U	0.18	U	0.18	U	4.8		0.18	U	0.1	J
Phenanthrene	100	100	100	1.3		0.11	U	0.13		0.022	J	21		0.058	J	2.4	
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.22		0.11	U	0.037	J	0.11	U	2	J	0.11	U	0.25	
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	1		0.14	U	0.11	J	0.15	U	9.1		0.089	J	1.1	
Pyrene	100	100	100	2.7		0.11	U	0.3		0.023	J	34		0.18		3.6	
Biphenyl				0.43	U	0.41	U	0.41	U	0.42	U	8.1	U	0.42	U	0.42	U
4-Chloroaniline				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
2-Nitroaniline				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
3-Nitroaniline				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
4-Nitroaniline				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
Dibenzofuran	14	59	7	0.071	J	0.18	U	0.18	U	0.18	U	2	J	0.18	U	0.085	J
2-Methylnaphthalene				0.033	J	0.22	U	0.22	U	0.22	U	1.2	J	0.22	U	0.041	J
1,2,4,5-Tetrachlorobenzene				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
Acetophenone				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
2,4,6-Trichlorophenol				0.11	U	0.11	U	0.11	U	0.11	U	2.1	U	0.11	U	0.11	U
p-Chloro-m-cresol				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
2-Chlorophenol				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
2,4-Dichlorophenol				0.17	U	0.16	U	0.16	U	0.17	U	3.2	U	0.16	U	0.17	U
2,4-Dimethylphenol				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
2-Nitrophenol				0.4	U	0.39	U	0.39	U	0.4	U	7.7	U	0.4	U	0.4	U
4-Nitrophenol				0.26	U	0.25	U	0.25	U	0.26	U	5	U	0.26	U	0.26	U
2,4-Dinitrophenol				0.9	U	0.86	U	0.86	U	0.89	U	17	U	0.88	U	0.88	U
4,6-Dinitro-o-cresol				0.49	U	0.47	U	0.47	U	0.48	U	9.2	U	0.48	U	0.48	U
Pentachlorophenol	2.4	6.7	0.8	0.15	U	0.14	U	0.14	U	0.15	U	2.8	U	0.15	U	0.15	U
Phenol	100	100	0.33	0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
2-Methylphenol	100	100	0.33	0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	34	100	0.33	0.27	U	0.26	U	0.26	U	0.27	U	5.1	U	0.26	U	0.26	U
2,4,5-Trichlorophenol				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
Benzoic Acid				0.61	U	0.58	U	0.58	U	0.6	U	11	U	0.59	U	0.6	U
Benzyl Alcohol				0.19	U	0.18	U	0.18	U	0.18	U	3.5	U	0.18	U	0.18	U
Carbazole				0.13	J	0.18	U	0.18	U	0.18	U	2.6	J	0.18	U	0.18	
1,4-Dioxane	9.8	13	0.1	0.028	U	0.027	U	0.027	U	0.028	U	0.53	U	0.027	U	0.028	U

*T There are no TICs reported for the sample
* : LCS or LCSD is outside acceptance limits.
SCOs: Soil Cleanup Objectives
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Exceeds Restricted Residential Standard
Exceeds Unrestricted Standard
Reporting limit exceeds one or more standards

Table 5.9B
Semivolatile Organic Compounds
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	B-9 (6-7)		B-14 (8-9)		B-14 (2-3)		B-13 (3-4)		B-13 (6-7)		B-8 (4-5)		B-8 (4-5)		B-8 (5-
SAMPLING DATE	Residential	Restricted	Unrestricted	9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/20
LAB SAMPLE ID	Use	Residential	Use	L1941584-08		L1941584-09		L1941584-10		L1941584-11		L1941584-12		L1941584-13		L1941584-13 R1		L194158
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL
	ppm	ppm	ppm															
Semivolatile Organics by GC/MS																		
Acenaphthene	100	100	20	0.14	U	0.14	U	0.14	U	0.14	U	0.058	J	3.4		-	-	0.14
1,2,4-Trichlorobenzene				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
Hexachlorobenzene	0.33	1.2	0.33	0.11	U	0.1	U	0.1	U	0.1	U	0.11	U	1.1	U	-	-	0.11
Bis(2-chloroethyl)ether				0.16	U	0.16	U	0.15	U	0.16	U	0.16	U	1.6	U	-	-	0.16
2-Chloronaphthalene				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
1,2-Dichlorobenzene	100	100	1.1	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
1,3-Dichlorobenzene	17	49	2.4	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
1,4-Dichlorobenzene	9.8	13	1.8	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
3,3'-Dichlorobenzidine				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
2,4-Dinitrotoluene				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
2,6-Dinitrotoluene				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
Fluoranthene	100	100	100	0.11	U	0.1	U	0.35		0.46		2.8		120	E	150		0.11
4-Chlorophenyl phenyl ether				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
4-Bromophenyl phenyl ether				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
Bis(2-chloroisopropyl)ether				0.21	U	0.21	U	0.2	U	0.21	U	0.21	U	2.2	U	-	-	0.22
Bis(2-chloroethoxy)methane				0.19	U	0.19	U	0.18	U	0.19	U	0.19	U	2	U	-	-	0.19
Hexachlorobutadiene				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
Hexachlorocyclopentadiene				0.51	U	0.5	U	0.49	U	0.5	U	0.51	U	5.2	U	-	-	0.51
Hexachloroethane				0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	1.4	U	-	-	0.14
Isophorone				0.16	U	0.16	U	0.15	U	0.16	U	0.16	U	1.6	U	-	-	0.16
Naphthalene	100	100	12	0.18	U	0.18	U	0.17	U	0.18	U	0.031	J	4.3		-	-	0.18
Nitrobenzene				0.16	U	0.16	U	0.15	U	0.16	U	0.16	U	1.6	U	-	-	0.16
NDPA/DPA				0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	1.4	U	-	-	0.14
n-Nitrosodi-n-propylamine				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
Bis(2-ethylhexyl)phthalate				0.18	U	0.18	U	0.17	U	0.22		0.18	U	1.8	U	-	-	0.18
Butyl benzyl phthalate				0.18	U	0.18	U	0.17	U	1.3		0.18	U	1.8	U	-	-	0.18
Di-n-butylphthalate				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
Di-n-octylphthalate				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
Diethyl phthalate				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
Dimethyl phthalate				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
Benzo(a)anthracene	1	1	1	0.11	U	0.1	U	0.18		0.24		1.1		64		-	-	0.11
Benzo(a)pyrene	1	1	1	0.14	U	0.14	U	0.18		0.24		0.95		56		-	-	0.14
Benzo(b)fluoranthene	1	1	1	0.11	U	0.1	U	0.22		0.32		1.2		69		-	-	0.11
Benzo(k)fluoranthene	1	3.9	0.8	0.11	U	0.1	U	0.073	J	0.11		0.43		25		-	-	0.11
Chrysene	1	3.9	1	0.11	U	0.1	U	0.18		0.23		1		61		-	-	0.11
Acenaphthylene	100	100	100	0.14	U	0.14	U	0.036	J	0.069	J	0.3		12		-	-	0.14
Anthracene	100	100	100	0.11	U	0.1	U	0.057	J	0.059	J	0.35		18		-	-	0.11
Benzo(ghi)perylene	100	100	100	0.14	U	0.14	U	0.13	J	0.15		0.57		34		-	-	0.14
Fluorene	100	100	30	0.18	U	0.18	U	0.17	U	0.017	J	0.1	J	6.6		-	-	0.18
Phenanthrene	100	100	100	0.11	U	0.1	U	0.21		0.21		1.5		85	E	100		0.11
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.11	U	0.1	U	0.1	U	0.039	J	0.14		8.6		-	-	0.11
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	0.14	U	0.14	U	0.11	J	0.16		0.61		36		-	-	0.14
Pyrene	100	100	100	0.11	U	0.1	U	0.32		0.42		2.5		120	E	130		0.11
Biphenyl				0.41	U	0.4	U	0.39	U	0.4	U	0.4	U	0.54	J	-	-	0.41
4-Chloroaniline				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
2-Nitroaniline				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
3-Nitroaniline				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
4-Nitroaniline				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
Dibenzofuran	14	59	7	0.18	U	0.18	U	0.17	U	0.18	U	0.042	J	4.1		-	-	0.18
2-Methylnaphthalene				0.21	U	0.21	U	0.2	U	0.21	U	0.21	U	1.8	J	-	-	0.22
1,2,4,5-Tetrachlorobenzene				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
Acetophenone				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
2,4,6-Trichlorophenol				0.11	U	0.1	U	0.1	U	0.1	U	0.11	U	1.1	U	-	-	0.11
p-Chloro-m-cresol				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
2-Chlorophenol				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
2,4-Dichlorophenol				0.16	U	0.16	U	0.15	U	0.16	U	0.16	U	1.6	U	-	-	0.16
2,4-Dimethylphenol				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
2-Nitrophenol				0.38	U	0.38	U	0.37	U	0.38	U	0.38	U	3.9	U	-	-	0.39
4-Nitrophenol				0.25	U	0.25	U	0.24	U	0.24	U	0.25	U	2.5	U	-	-	0.25
2,4-Dinitrophenol				0.86	U	0.84	U	0.82	U	0.84	U	0.85	U	8.7	U	-	-	0.86
4,6-Dinitro-o-cresol				0.46	U	0.46	U	0.44	U	0.46	U	0.46	U	4.7	U	-	-	0.47
Pentachlorophenol	2.4	6.7	0.8	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	1.4	U	-	-	0.14
Phenol	100	100	0.33	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.27	J	-	-	0.18
2-Methylphenol	100	100	0.33	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
3-Methylphenol/4-Methylphenol	34	100	0.33	0.26	U	0.25	U	0.25	U	0.25	U	0.25	U	0.43	J	-	-	0.26
2,4,5-Trichlorophenol				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
Benzoic Acid				0.58	U	0.57	U	0.55	U	0.57	U	0.57	U	5.9	U	-	-	0.58
Benzyl Alcohol				0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.8	U	-	-	0.18
Carbazole				0.18	U	0.18	U	0.023	J	0.022	J	0.076	J	6.1		-	-	0.18
1,4-Dioxane	9.8	13	0.1	0.027	U	0.026	U	0.026	U	-	-	-	-	-	-	-	-	-

*T There are no TICs reported for the sample
* : LCS or LCSD is outside acceptance limits.
SCOs: Soil Cleanup Objectives
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Exceeds Restricted Residential Standard
Exceeds Unrestricted Standard
Reporting limit exceeds one or more standards

Table 5.9B
Semivolatile Organic Compounds
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	6)	B-3 (4-5)		B-3 (6-7)		DUP		B-19 (4'-5')		B-19 (5.5'-6.5')		B-12 (3'-4')		B-12 (8'-9')	
SAMPLING DATE	Residential	Restricted	Unrestricted	19	9/11/2019		9/11/2019		9/11/2019		10/30/2019		10/30/2019		10/30/2019		10/30/2019	
LAB SAMPLE ID	Use	Residential	Use	-14	L1941584-15		L1941584-16		L1941584-17		L1951248-01		L1951248-02		L1951248-03		L1951248-04	
SAMPLE TYPE	SCOs	SCOs	SCOs		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm															
Semivolatile Organics by GC/MS																		
Acenaphthene	100	100	20	U	0.13	U	0.15	U	0.14	U	0.17	U	0.15	U	0.15	U	0.15	U
1,2,4-Trichlorobenzene				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
Hexachlorobenzene	0.33	1.2	0.33	U	0.1	U	0.11	U	0.11	U	0.13	U	0.11	U	0.11	U	0.12	U
Bis(2-chloroethyl)ether				U	0.15	U	0.16	U	0.16	U	0.19	U	0.16	U	0.17	U	0.17	U
2-Chloronaphthalene				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
1,2-Dichlorobenzene	100	100	1.1	U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
1,3-Dichlorobenzene	17	49	2.4	U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
1,4-Dichlorobenzene	9.8	13	1.8	U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
3,3'-Dichlorobenzidine				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
2,4-Dinitrotoluene				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
2,6-Dinitrotoluene				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
Fluoranthene	100	100	100	U	0.1	U	0.036	J	0.097	J	0.037	J	0.11	U	0.11	U	0.12	U
4-Chlorophenyl phenyl ether				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
4-Bromophenyl phenyl ether				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
Bis(2-chloroisopropyl)ether				U	0.2	U	0.22	U	0.22	U	0.25	U	0.22	U	0.22	U	0.23	U
Bis(2-chloroethoxy)methane				U	0.18	U	0.2	U	0.19	U	0.23	U	0.2	U	0.2	U	0.21	U
Hexachlorobutadiene				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
Hexachlorocyclopentadiene				U	0.48	U	0.53	U	0.52	U	0.6	U	0.52	U	0.53	U	0.55	U
Hexachloroethane				U	0.13	U	0.15	U	0.14	U	0.17	U	0.15	U	0.15	U	0.15	U
Isophorone				U	0.15	U	0.16	U	0.16	U	0.19	U	0.16	U	0.17	U	0.17	U
Naphthalene	100	100	12	U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
Nitrobenzene				U	0.15	U	0.16	U	0.16	U	0.19	U	0.16	U	0.17	U	0.17	U
NDPA/DPA				U	0.13	U	0.15	U	0.14	U	0.17	U	0.15	U	0.15	U	0.15	U
n-Nitrosodi-n-propylamine				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
Bis(2-ethylhexyl)phthalate				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
Butyl benzyl phthalate				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
Di-n-butylphthalate				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
Di-n-octylphthalate				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
Diethyl phthalate				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
Dimethyl phthalate				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
Benzo(a)anthracene	1	1	1	U	0.1	U	0.11	U	0.044	J	0.13	U	0.11	U	0.11	U	0.12	U
Benzo(a)pyrene	1	1	1	U	0.13	U	0.15	U	0.14	U	0.17	U	0.15	U	0.15	U	0.15	U
Benzo(b)fluoranthene	1	1	1	U	0.1	U	0.11	U	0.056	J	0.13	U	0.11	U	0.11	U	0.12	U
Benzo(k)fluoranthene	1	3.9	0.8	U	0.1	U	0.11	U	0.11	U	0.13	U	0.11	U	0.11	U	0.12	U
Chrysene	1	3.9	1	U	0.1	U	0.11	U	0.05	J	0.13	U	0.11	U	0.11	U	0.12	U
Acenaphthylene	100	100	100	U	0.13	U	0.15	U	0.14	U	0.17	U	0.15	U	0.15	U	0.15	U
Anthracene	100	100	100	U	0.1	U	0.11	U	0.11	U	0.13	U	0.11	U	0.11	U	0.12	U
Benzo(ghi)perylene	100	100	100	U	0.13	U	0.15	U	0.033	J	0.17	U	0.15	U	0.15	U	0.15	U
Fluorene	100	100	30	U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
Phenanthrene	100	100	100	U	0.1	U	0.025	J	0.064	J	0.13	U	0.11	U	0.11	U	0.12	U
Dibenzo(a,h)anthracene	0.33	0.33	0.33	U	0.1	U	0.11	U	0.11	U	0.13	U	0.11	U	0.11	U	0.12	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	U	0.13	U	0.15	U	0.033	J	0.17	U	0.15	U	0.15	U	0.15	U
Pyrene	100	100	100	U	0.1	U	0.03	J	0.088	J	0.026	J	0.11	U	0.11	U	0.12	U
Biphenyl				U	0.38	U	0.42	U	0.41	U	0.48	U	0.42	U	0.42	U	0.44	U
4-Chloroaniline				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
2-Nitroaniline				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
3-Nitroaniline				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
4-Nitroaniline				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
Dibenzofuran	14	59	7	U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
2-Methylnaphthalene				U	0.2	U	0.22	U	0.22	U	0.25	U	0.22	U	0.22	U	0.23	U
1,2,4,5-Tetrachlorobenzene				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
Acetophenone				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
2,4,6-Trichlorophenol				U	0.1	U	0.11	U	0.11	U	0.13	U	0.11	U	0.11	U	0.12	U
p-Chloro-m-cresol				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
2-Chlorophenol				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
2,4-Dichlorophenol				U	0.15	U	0.16	U	0.16	U	0.19	U	0.16	U	0.17	U	0.17	U
2,4-Dimethylphenol				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
2-Nitrophenol				U	0.36	U	0.4	U	0.39	U	0.46	U	0.4	U	0.4	U	0.42	U
4-Nitrophenol				U	0.23	U	0.26	U	0.25	U	0.3	U	0.26	U	0.26	U	0.27	U
2,4-Dinitrophenol				U	0.8	U	0.88	U	0.86	U	1	U	0.88	U	0.89	U	0.93	U
4,6-Dinitro-o-cresol				U	0.44	U	0.48	U	0.47	U	0.55	U	0.48	U	0.48	U	0.5	U
Pentachlorophenol	2.4	6.7	0.8	U	0.13	U	0.15	U	0.14	U	0.17	U	0.15	U	0.15	U	0.15	U
Phenol	100	100	0.33	U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
2-Methylphenol	100	100	0.33	U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
3-Methylphenol/4-Methylphenol	34	100	0.33	U	0.24	U	0.26	U	0.26	U	0.3	U	0.26	U	0.27	U	0.28	U
2,4,5-Trichlorophenol				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
Benzoic Acid				U	0.54	U	0.6	U	0.58	U	0.68	U	0.59	U	0.6	U	0.63	U
Benzyl Alcohol				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
Carbazole				U	0.17	U	0.18	U	0.18	U	0.21	U	0.18	U	0.18	U	0.19	U
1,4-Dioxane	9.8	13	0.1	-	-	-	-	-	-	-	0.032	U	0.027	U	0.028	U	0.029	U

*T There are no TICs reported for the sample
* : LCS or LCSD is outside acceptance limits.
SCOs: Soil Cleanup Objectives
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Exceeds Restricted Residential Standard
Exceeds Unrestricted Standard
Reporting limit exceeds one or more standards

Table 5.9B
Semivolatile Organic Compounds
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	B-18 (2'-3')		B-17 (1.5'-2.5')	
SAMPLING DATE	Residential	Restricted	Unrestricted	10/30/2019		10/30/2019	
LAB SAMPLE ID	Use	Residential	Use	L1951248-05		L1951248-06	
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL	
	ppm	ppm	ppm				
Semivolatile Organics by GC/MS							
Acenaphthene	100	100	20	0.15	U	0.14	U
1,2,4-Trichlorobenzene				0.18	U	0.18	U
Hexachlorobenzene	0.33	1.2	0.33	0.11	U	0.11	U
Bis(2-chloroethyl)ether				0.16	U	0.16	U
2-Chloronaphthalene				0.18	U	0.18	U
1,2-Dichlorobenzene	100	100	1.1	0.18	U	0.18	U
1,3-Dichlorobenzene	17	49	2.4	0.18	U	0.18	U
1,4-Dichlorobenzene	9.8	13	1.8	0.18	U	0.18	U
3,3'-Dichlorobenzidine				0.18	U	0.18	U
2,4-Dinitrotoluene				0.18	U	0.18	U
2,6-Dinitrotoluene				0.18	U	0.18	U
Fluoranthene	100	100	100	0.12		0.023	J
4-Chlorophenyl phenyl ether				0.18	U	0.18	U
4-Bromophenyl phenyl ether				0.18	U	0.18	U
Bis(2-chloroisopropyl)ether				0.22	U	0.22	U
Bis(2-chloroethoxy)methane				0.2	U	0.19	U
Hexachlorobutadiene				0.18	U	0.18	U
Hexachlorocyclopentadiene				0.52	U	0.51	U
Hexachloroethane				0.15	U	0.14	U
Isophorone				0.16	U	0.16	U
Naphthalene	100	100	12	0.18	U	0.18	U
Nitrobenzene				0.16	U	0.16	U
NDPA/DPA				0.15	U	0.14	U
n-Nitrosodi-n-propylamine				0.18	U	0.18	U
Bis(2-ethylhexyl)phthalate				0.18	U	0.074	J
Butyl benzyl phthalate				0.18	U	0.18	U
Di-n-butylphthalate				0.18	U	0.18	U
Di-n-octylphthalate				0.18	U	0.18	U
Diethyl phthalate				0.18	U	0.18	U
Dimethyl phthalate				0.18	U	0.18	U
Benzo(a)anthracene	1	1	1	0.07	J	0.11	U
Benzo(a)pyrene	1	1	1	0.072	J	0.14	U
Benzo(b)fluoranthene	1	1	1	0.089	J	0.11	U
Benzo(k)fluoranthene	1	3.9	0.8	0.033	J	0.11	U
Chrysene	1	3.9	1	0.061	J	0.11	U
Acenaphthylene	100	100	100	0.15	U	0.14	U
Anthracene	100	100	100	0.11	U	0.11	U
Benzo(ghi)perylene	100	100	100	0.044	J	0.14	U
Fluorene	100	100	30	0.18	U	0.18	U
Phenanthrene	100	100	100	0.048	J	0.11	U
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.11	U	0.11	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	0.048	J	0.14	U
Pyrene	100	100	100	0.1	J	0.021	J
Biphenyl				0.42	U	0.41	U
4-Chloroaniline				0.18	U	0.18	U
2-Nitroaniline				0.18	U	0.18	U
3-Nitroaniline				0.18	U	0.18	U
4-Nitroaniline				0.18	U	0.18	U
Dibenzofuran	14	59	7	0.18	U	0.18	U
2-Methylnaphthalene				0.22	U	0.22	U
1,2,4,5-Tetrachlorobenzene				0.18	U	0.18	U
Acetophenone				0.18	U	0.18	U
2,4,6-Trichlorophenol				0.11	U	0.11	U
p-Chloro-m-cresol				0.18	U	0.18	U
2-Chlorophenol				0.18	U	0.18	U
2,4-Dichlorophenol				0.16	U	0.16	U
2,4-Dimethylphenol				0.18	U	0.18	U
2-Nitrophenol				0.39	U	0.39	U
4-Nitrophenol				0.26	U	0.1	J
2,4-Dinitrophenol				0.88	U	0.86	U
4,6-Dinitro-o-cresol				0.47	U	0.47	U
Pentachlorophenol	2.4	6.7	0.8	0.15	U	0.14	U
Phenol	100	100	0.33	0.18	U	0.18	U
2-Methylphenol	100	100	0.33	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	34	100	0.33	0.26	U	0.26	U
2,4,5-Trichlorophenol				0.18	U	0.18	U
Benzoic Acid				0.59	U	0.58	U
Benzyl Alcohol				0.18	U	0.18	U
Carbazole				0.18	U	0.18	U
1,4-Dioxane	9.8	13	0.1	0.027	U	0.027	U

*T There are no TICs reported for the sample
* : LCS or LCSD is outside acceptance limits.
SCOs: Soil Cleanup Objectives
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Exceeds Restricted Residential Standard
Exceeds Unrestricted Standard
Reporting limit exceeds one or more standards

Table 5.9C
Metals in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)		B-2 (3-4)		B-2 (6-7)		B-7 (1-2)		B-16 (3-4)		B-16 (7-8)		B-1 (2-3)		B-1 (5-6)		B-1 (10-11)	
SAMPLING DATE	Residential	Restricted	Unrestricted		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019	
LAB SAMPLE ID	Use	Residential	Use		L1941309-01		L1941309-02		L1941309-03		L1941309-04		L1941309-05		L1941309-06		L1941309-07		L1941309-08	
SAMPLE TYPE	SCOs	SCOs	SCOs		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals																				
Aluminum, Total				mg/kg	11500		18400		17900		17600		31100		15800		12100		21600	
Antimony, Total				mg/kg	4.08	U	4.42	U	0.379	J	4.05	U	4.24	U	4.2	U	4.11	U	3.99	U
Arsenic, Total	16	16	13	mg/kg	1.25		0.858	J	3.06		1.34		1.34		1.87		0.624	J	0.583	J
Barium, Total	350	400	350	mg/kg	104		199		174		152		255		97.5		106		416	
Beryllium, Total	14	72	`	mg/kg	0.269	J	0.239	J	0.065	J	0.348	J	0.84		0.302	J	0.279	J	0.12	J
Cadmium, Total	2.5	4.3	2.5	mg/kg	0.815	U	0.885	U	0.924	U	0.809	U	0.849	U	0.839	U	0.822	U	0.798	U
Calcium, Total				mg/kg	638		1710		796		1930		3100		1680		1300		1740	
Chromium, Total				mg/kg	20.9		41.5		164		180		98.6		35.5		44.9		73.3	
Cobalt, Total				mg/kg	7.86		18.6		21.2		14.7		24.6		14		10.8		23.8	
Copper, Total	270	270	50	mg/kg	19.3		242		230		22.2		24.4		22.9		57.5		70.3	
Iron, Total				mg/kg	16900		29000		30500		26300		28600		22000		18300		31100	
Lead, Total	400	400	63	mg/kg	3.53	J	4.5		122		24.1		7.5		4.24		3.08	J	3.99	
Magnesium, Total				mg/kg	3150		7820		6530		8370		14600		5720		6450		10400	
Manganese, Total	2000	2000	1600	mg/kg	381		558		309		448		662		358		347		515	
Mercury, Total	0.81	0.81	0.18	mg/kg	0.067	U	0.071	U	0.077	U	2.54		0.076		0.068	U	0.067	U	0.066	U
Nickel, Total	140	310	30	mg/kg	20.1		111		320		357		163		30.5		45.3		138	
Potassium, Total				mg/kg	3300		11500		6250		8040		10900		5430		5340		15800	
Selenium, Total	36	180	3.9	mg/kg	0.432	J	0.239	J	0.508	J	0.235	J	1.7	U	1.68	U	0.337	J	1.6	U
Silver, Total	36	180	2	mg/kg	0.815	U	0.885	U	0.924	U	0.275	J	0.849	U	0.839	U	0.822	U	0.798	U
Sodium, Total				mg/kg	144	J	258		2610		645		1140		160	J	184		570	
Thallium, Total				mg/kg	1.63	U	1.77	U	1.85	U	1.62	U	1.7	U	1.68	U	1.64	U	1.6	U
Vanadium, Total	2200	10000	109	mg/kg	27.8		49.4		54.2		45.5		72.2		38.6		27.1		67	
Zinc, Total		10000	109	mg/kg	46.9		79.3		62.9		63.4		71.5		45.7		39.8		72.9	

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.
SCOs: Soil Cleanup Objectives
Exceeds Restricted Residential Standard
Exceeds Unrestricted Standard

Table 5.9C
Metals in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	B-11 (6-7)		B-11 (0-1)		B-6 (10-11)		B-6 (7-8)		B-6 (1-2)		B-10 (2-3)		B-10 (7-8)		B-10 (11-12)	
SAMPLING DATE	Residential	Restricted	Unrestricted	9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019	
LAB SAMPLE ID	Use	Residential	Use	L1941309-09		L1941309-10		L1941309-11		L1941309-12		L1941309-13		L1941309-14		L1941309-15		L1941309-16	
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals																			
Aluminum, Total				11200		12400		8270		8690		13900		5830		15700		17400	
Antimony, Total				4.16	U	0.416	J	4.16	U	4.14	U	4.48	U	4.34	U	4.32	U	4.24	U
Arsenic, Total	16	16	13	1.59		3.48		0.94		0.978		3.19		4.42		2.07		0.949	
Barium, Total	350	400	350	70.9		62.4		65.6		66.2		87		126		347		295	
Beryllium, Total	14	72	`	0.3	J	0.387	J	0.291	J	0.265	J	0.394	J	0.226	J	0.251	J	0.161	J
Cadmium, Total	2.5	4.3	2.5	0.833	U	0.945	U	0.832	U	0.829	U	0.895	U	0.868	U	0.864	U	0.847	U
Calcium, Total				515		1160		725		454		1230		111000		15700		614	
Chromium, Total				20.1		24.5		22.9		19.2		24.1		10.2		31.7		37.5	
Cobalt, Total				7.13		7.85		7.75		7.14		9.09		3.69		13.8		16.8	
Copper, Total	270	270	50	16.5		26.1		32.1		15.2		15		12.4		53.7		94.8	
Iron, Total				15200		17900		14700		14000		18500		7630		21900		29400	
Lead, Total	400	400	63	3.47	J	24.6		2.68	J	2.49	J	20.8		123		431		4.23	J
Magnesium, Total				2040		2650		2630		2180		2900		5110		8750		6860	
Manganese, Total	2000	2000	1600	518		355		596		482		431		145		452		389	
Mercury, Total	0.81	0.81	0.18	0.07	U	0.052	J	0.069	U	0.069	U	0.071	U	0.07	U	0.071	U	0.068	U
Nickel, Total	140	310	30	29.9		23.1		58.1		21.3		17.2		5.75		22		17.7	
Potassium, Total				2200		945		2450		2360		1540		1270		7040		12000	
Selenium, Total	36	180	3.9	1.66	U	0.652	J	0.249	J	0.265	J	0.734	J	1.74	U	0.285	J	1.69	U
Silver, Total	36	180	2	0.833	U	0.945	U	0.832	U	0.829	U	0.895	U	0.868	U	0.864	U	0.847	U
Sodium, Total				406		257		152	J	102	J	89	J	1310		1720		1450	
Thallium, Total				1.66	U	1.89	U	1.66	U	1.66	U	1.79	U	1.74	U	1.73	U	1.69	U
Vanadium, Total	2200	10000	109	23.2		28.2		19.3		19.8		28.7		22		44.5		52.4	
Zinc, Total		10000	109	22.2		39		45.1		19.2		30.5		113		204		60.3	

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.
SCOs: Soil Cleanup Objectives
Exceeds Restricted Residential Standard
Exceeds Unrestricted Standard

Table 5.9C
Metals in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	B-15 (3-4)		B-15 (6-7)		B-4 (4-5)		B-4 (7-8)		B-9 (3-4)		B-9 (6-7)		B-14 (8-9)		B-14 (2-3)	
SAMPLING DATE	Residential	Restricted	Unrestricted	9/10/2019		9/10/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019	
LAB SAMPLE ID	Use	Residential	Use	L1941309-17		L1941309-18		L1941584-04		L1941584-05		L1941584-07		L1941584-08		L1941584-09		L1941584-10	
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals																			
Aluminum, Total				7630		13000		4420		20100		11100		8820		21200		9980	
Antimony, Total				4.27	U	4.4	U	4.34	U	4.46	U	4.36	U	4.24	U	4.09	U	3.96	U
Arsenic, Total	16	16	13	2.87		1.71		2.13		0.893	U	2.82		0.501	J	0.817	U	1.85	
Barium, Total	350	400	350	441		286		197		215		271		69.2		301		112	
Beryllium, Total	14	72	`	0.136	J	0.106	J	0.052	J	0.446	U	0.174	J	0.153	J	0.122	J	0.15	J
Cadmium, Total	2.5	4.3	2.5	1.58		0.881	U	0.867	U	0.893	U	0.872	U	0.849	U	0.817	U	0.792	U
Calcium, Total				21800		28700		17400		1170		8200		1530		546		21100	
Chromium, Total				16.2		26.3		13.5		37.6		20.3		19.5		41		26	
Cobalt, Total				7.13		11.4		3.9		18.7		8.54		10.9		21.7		9.41	
Copper, Total	270	270	50	28.8		25.9		14		19.4		21.7		19.8		34.7		46.9	
Iron, Total				13100		18600		8010		33700		18400		15500		38300		18000	
Lead, Total	400	400	63	192		66.4		126		2.39	J	117		8.92		7.07		58	
Magnesium, Total				7570		11300		2770		7860		4810		4040		9480		14000	
Manganese, Total	2000	2000	1600	182		421		113		336		232		577		423		245	
Mercury, Total	0.81	0.81	0.18	0.069	U	0.07	U	0.302		0.07	U	0.238		0.068	U	0.068	U	0.07	
Nickel, Total	140	310	30	11.1		20.7		8.43		25.5		14.4		21.5		29.5		16.7	
Potassium, Total				3360		7930		1180		13600		3930		3270		15100		5360	
Selenium, Total	36	180	3.9	0.324	J	0.264	J	1.73	U	1.78	U	1.74	U	1.7	U	1.63	U	1.58	U
Silver, Total	36	180	2	0.854	U	0.881	U	0.867	U	0.893	U	0.872	U	0.849	U	0.817	U	0.792	U
Sodium, Total				416		404		171	J	294		909		200		219		396	
Thallium, Total				1.71	U	1.76	U	1.73	U	1.78	U	1.74	U	1.7	U	1.63	U	1.58	U
Vanadium, Total	2200	10000	109	29.4		41.4		15.8		58.8		28.4		20.5		68.1		34.3	
Zinc, Total		10000	109	216		144		254		80.5		198		28.8		87.4		85	

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.
SCOs: Soil Cleanup Objectives
Exceeds Restricted Residential Standard
Exceeds Unrestricted Standard

Table 5.9C
Metals in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	B-13 (3-4)		B-13 (6-7)		B-8 (4-5)		B-8 (5-6)		B-3 (4-5)		B-3 (6-7)		DUP		B-19 (4'-5')	
SAMPLING DATE	Residential	Restricted	Unrestricted	9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019		10/30/2019	
LAB SAMPLE ID	Use	Residential	Use	L1941584-11		L1941584-12		L1941584-13		L1941584-14		L1941584-15		L1941584-16		L1941584-17		L1951248-01	
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals																			
Aluminum, Total				10900		4920		10800		17100		1220		25300		11000		12400	
Antimony, Total				4.2	U	4.33	U	4.28	U	4.24	U	3.93	U	4.49	U	4.23	U	4.92	U
Arsenic, Total	16	16	13	1.43		3.17		0.676	J	0.849	U	1.3		0.899	U	2.55		0.984	U
Barium, Total	350	400	350	118		252		166		285		22.7		267		150		58	
Beryllium, Total	14	72	`	0.109	J	0.087	J	0.043	J	0.17	J	0.047	J	0.099	J	0.152	J	0.344	J
Cadmium, Total	2.5	4.3	2.5	0.839	U	0.087	J	0.856	U	0.849	U	0.785	U	0.899	U	0.845	U	0.266	J
Calcium, Total				20900		27600		17500		402		2130		1320		13700		1040	
Chromium, Total				25.3		8.33		27.4		50.9		5.01		54.4		25.2		126	
Cobalt, Total				10.3		4.36		11.2		11.3		1.61		18.1		10.2		13.4	
Copper, Total	270	270	50	50.3		9.82		42.1		92.1		8.62		54.3		33.4		118	
Iron, Total				20200		7840		15600		33900		4570		39200		20000		29100	
Lead, Total	400	400	63	37.9		357		2.11	J	5.16		6.97		3.77	J	404		6.72	
Magnesium, Total				14400		8810		5280		7250		694		11500		5340		6100	
Manganese, Total	2000	2000	1600	229		145		203		224		69.2		280		300		213	
Mercury, Total	0.81	0.81	0.18	0.079		0.068	U	0.146		0.07	U	0.065	U	0.072	U	0.145		0.053	J
Nickel, Total	140	310	30	17.6		5.86		20.2		44.1		4.65		32.7		15.9		136	
Potassium, Total				5470		1500		5960		10500		308		18000		5170		1990	
Selenium, Total	36	180	3.9	1.68	U	1.73	U	1.71	U	1.7	U	1.57	U	1.8	U	1.69	U	1.97	U
Silver, Total	36	180	2	0.839	U	0.866	U	0.856	U	0.849	U	0.785	U	0.899	U	0.845	U	0.984	U
Sodium, Total				272		388		657		396		351		371		410		3550	
Thallium, Total				1.68	U	1.73	U	1.71	U	1.7	U	1.57	U	1.8	U	1.69	U	1.97	U
Vanadium, Total	2200	10000	109	41.6		18.4		39.5		46.2		8.94		84.2		36.9		41.8	
Zinc, Total		10000	109	77.4		151		39.2		64.7		62.4		106		64.7		31.2	

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.
SCOs: Soil Cleanup Objectives
Exceeds Restricted Residential Standard
Exceeds Unrestricted Standard

Table 5.9C
Metals in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	B-19 (5.5'-6.5')		B-12 (3'-4')		B-12 (8'-9')		B-18 (2'-3')		B-17 (1.5'-2.5')	
SAMPLING DATE	Residential	Restricted	Unrestricted	10/30/2019		10/30/2019		10/30/2019		10/30/2019		10/30/2019	
LAB SAMPLE ID	Use	Residential	Use	L1951248-02		L1951248-03		L1951248-04		L1951248-05		L1951248-06	
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals													
Aluminum, Total				17000		12000		12200		8360		21800	
Antimony, Total				4.37	U	4.36	U	4.48	U	4.36	U	4.24	U
Arsenic, Total	16	16	13	0.873	U	0.192	J	0.896	U	3.43		0.849	U
Barium, Total	350	400	350	254		85.2		109		117		162	
Beryllium, Total	14	72	`	0.437	U	0.436	U	0.448	U	0.096	J	0.424	U
Cadmium, Total	2.5	4.3	2.5	0.332	J	0.358	J	0.296	J	1.13		0.577	J
Calcium, Total				913		473		773		2640		578	
Chromium, Total				64.8		22.8		78		72.8		84.2	
Cobalt, Total				13.5		10.7		12.8		13.2		18.2	
Copper, Total	270	270	50	63.8		172		121		384		396	
Iron, Total				31200		17600		21600		14100		37700	
Lead, Total	400	400	63	6.18		6.26		4.25	J	102		24.4	
Magnesium, Total				6790		3000		5410		2350		9780	
Manganese, Total	2000	2000	1600	315		376		405		276		287	
Mercury, Total	0.81	0.81	0.18	0.208		0.071	U	0.073	U	0.555		0.07	U
Nickel, Total	140	310	30	160		249		233		1600		377	
Potassium, Total				11500		3410		5110		1630		13400	
Selenium, Total	36	180	3.9	1.75	U	1.74	U	0.269	J	0.384	J	1.7	U
Silver, Total	36	180	2	0.873	U	0.873	U	0.896	U	0.872	U	0.849	U
Sodium, Total				966		235		631		175		342	
Thallium, Total				1.75	U	1.74	U	1.79	U	1.74	U	1.7	U
Vanadium, Total	2200	10000	109	66.5		29.7		34.6		27.3		70.4	
Zinc, Total		10000	109	77.6		50.2		64.6		182		160	

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.
SCOs: Soil Cleanup Objectives
Exceeds Restricted Residential Standard
Exceeds Unrestricted Standard

Table 5.9D
Pesticides and PCBs in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	B-2 (3-4)		B-2 (6-7)		B-7 (1-2)		B-16 (3-4)		B-16 (7-8)		B-1 (2-3)		B-1 (5-6)		B-1 (10-11)	
SAMPLING DATE	Residential	Restricted	Unrestricted	9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019	
LAB SAMPLE ID	Use	Residential	Use	L1941309-01		L1941309-02		L1941309-03		L1941309-04		L1941309-05		L1941309-06		L1941309-07		L1941309-08	
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm																
General Chemistry																			
Solids, Total				95.6		89.7		82.5		94.1		91.6		91.8		94.4		95.4	
Cyanide, Total	27	27	27	0.96	U	1	U	9.2		1	U	1	U	1	U	0.99	U	0.97	U
Organochlorine Pesticides by GC																			
Delta-BHC	100	100	0.04	0.00162	U	0.00174	U	0.00189	U	0.00163	U	0.00167	U	0.00165	U	0.00162	U	0.00161	U
Lindane	0.28	1.3	0.1	0.000674	U	0.000724	U	0.000786	U	0.000678	U	0.000695	U	0.000687	U	0.000674	U	0.000672	U
Alpha-BHC	0.097	0.48	0.02	0.000674	U	0.000724	U	0.000786	U	0.000678	U	0.000695	U	0.000687	U	0.000674	U	0.000672	U
Beta-BHC	0.072	0.36	0.036	0.00162	U	0.00174	U	0.00189	U	0.00163	U	0.00167	U	0.00165	U	0.00162	U	0.00161	U
Heptachlor	0.42	2.1	0.042	0.000809	U	0.000869	U	0.000943	U	0.000813	U	0.000834	U	0.000825	U	0.000809	U	0.000806	U
Aldrin	0.019	0.097	0.005	0.00162	U	0.00174	U	0.00189	U	0.00163	U	0.00167	U	0.00165	U	0.00162	U	0.00161	U
Heptachlor epoxide				0.00303	U	0.00326	U	0.00354	U	0.00305	U	0.00313	U	0.00309	U	0.00303	U	0.00302	U
Endrin	2.2	11	0.014	0.000674	U	0.000724	U	0.000786	U	0.000678	U	0.000695	U	0.000687	U	0.000674	U	0.000672	U
Endrin aldehyde				0.00202	U	0.00217	U	0.00236	U	0.00203	U	0.00209	U	0.00206	U	0.00202	U	0.00201	U
Endrin ketone				0.00162	U	0.00174	U	0.00189	U	0.00163	U	0.00167	U	0.00165	U	0.00162	U	0.00161	U
Dieldrin	0.039	0.2	0.005	0.00101	U	0.00108	U	0.00118	U	0.00102	U	0.00104	U	0.00103	U	0.00101	U	0.00101	U
4,4'-DDE	1.8	8.9	0.0033	0.00162	U	0.00174	U	0.00189	U	0.00163	U	0.00167	U	0.00165	U	0.00162	U	0.00161	U
4,4'-DDD	2.6	13	0.0033	0.00162	U	0.00174	U	0.00189	U	0.00163	U	0.00167	U	0.00165	U	0.00162	U	0.00161	U
4,4'-DDT	1.7	7.9	0.0033	0.00303	U	0.00326	U	0.00354	U	0.00305	U	0.00313	U	0.00309	U	0.00303	U	0.00302	U
Endosulfan I	4.8	24	2.4	0.00162	U	0.00174	U	0.00189	U	0.00163	U	0.00167	U	0.00165	U	0.00162	U	0.00161	U
Endosulfan II	4.8	24	2.4	0.00162	U	0.00174	U	0.00189	U	0.00163	U	0.00167	U	0.00165	U	0.00162	U	0.00161	U
Endosulfan sulfate	4.8	24	2.4	0.000674	U	0.000724	U	0.000786	U	0.000678	U	0.000695	U	0.000687	U	0.000674	U	0.000672	U
Methoxychlor				0.00303	U	0.00326	U	0.00354	U	0.00305	U	0.00313	U	0.00309	U	0.00303	U	0.00302	U
Toxaphene				0.0303	U	0.0326	U	0.0354	U	0.0305	U	0.0313	U	0.0309	U	0.0303	U	0.0302	U
cis-Chlordane	0.91	4.2	0.094	0.00202	U	0.00217	U	0.00236	U	0.00203	U	0.00209	U	0.00206	U	0.00202	U	0.00201	U
trans-Chlordane				0.00202	U	0.00217	U	0.00236	U	0.00203	U	0.00209	U	0.00206	U	0.00202	U	0.00201	U
Chlordane				0.0131	U	0.0141	U	0.0153	U	0.0132	U	0.0136	U	0.0134	U	0.0131	U	0.0131	U
Polychlorinated Biphenyls by GC																			
Aroclor 1016	1	1	0.1	0.0338	U	0.0356	U	0.0382	U	0.0344	U	0.035	U	0.0342	U	0.034	U	0.0335	U
Aroclor 1221	1	1	0.1	0.0338	U	0.0356	U	0.0382	U	0.0344	U	0.035	U	0.0342	U	0.034	U	0.0335	U
Aroclor 1232	1	1	0.1	0.0338	U	0.0356	U	0.0382	U	0.0344	U	0.035	U	0.0342	U	0.034	U	0.0335	U
Aroclor 1242	1	1	0.1	0.0338	U	0.0356	U	0.0382	U	0.0344	U	0.035	U	0.0342	U	0.034	U	0.0335	U
Aroclor 1248	1	1	0.1	0.0338	U	0.0356	U	0.0382	U	0.0344	U	0.035	U	0.0342	U	0.034	U	0.0335	U
Aroclor 1254	1	1	0.1	0.0338	U	0.0356	U	0.0382	U	0.0344	U	0.035	U	0.0342	U	0.034	U	0.0335	U
Aroclor 1260	1	1	0.1	0.0338	U	0.0356	U	0.0129	J	0.0344	U	0.035	U	0.0342	U	0.034	U	0.0335	U
Aroclor 1262	1	1	0.1	0.0338	U	0.0356	U	0.0382	U	0.0344	U	0.035	U	0.0342	U	0.034	U	0.0335	U
Aroclor 1268	1	1	0.1	0.0338	U	0.0356	U	0.0382	U	0.0344	U	0.035	U	0.0342	U	0.034	U	0.0335	U
PCBs, Total	1	1	0.1	0.0338	U	0.0356	U	0.0129	J	0.0344	U	0.035	U	0.0342	U	0.034	U	0.0335	U

*T There are no TICs reported for the sample
* : LCS or LCSD is outside acceptance limits.
SCOs: Soil Cleanup Objectives
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Exceeds Restricted Residential Standard
Exceeds Unrestricted Standard
Reporting limit exceeds one or more standards

Table 5.9D
Pesticides and PCBs in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	B-11 (6-7)		B-11 (0-1)		B-6 (10-11)		B-6 (7-8)		B-6 (1-2)		B-10 (2-3)		B-10 (7-8)		B-10 (11-12)	
SAMPLING DATE	Residential	Restricted	Unrestricted	9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019	
LAB SAMPLE ID	Use	Residential	Use	L1941309-09		L1941309-10		L1941309-11		L1941309-12		L1941309-13		L1941309-14		L1941309-15		L1941309-16	
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm																
General Chemistry																			
Solids, Total				90.2		81.4		90.9		91.2		88.6		89.9		87.9		92.2	
Cyanide, Total	27	27	27	1	U	0.65	J	1	U	1	U	1.1	U	1	U	1.1	U	1	U
Organochlorine Pesticides by GC																			
Delta-BHC	100	100	0.04	0.00167	U	0.00188	U	0.0017	U	0.00169	U	0.00171	U	0.00173	U	0.00172	U	0.00165	U
Lindane	0.28	1.3	0.1	0.000696	U	0.000784	U	0.000707	U	0.000704	U	0.000713	U	0.00072	U	0.000718	U	0.000687	U
Alpha-BHC	0.097	0.48	0.02	0.000696	U	0.000784	U	0.000707	U	0.000704	U	0.000713	U	0.00072	U	0.000718	U	0.000687	U
Beta-BHC	0.072	0.36	0.036	0.00167	U	0.00188	U	0.0017	U	0.00169	U	0.00171	U	0.00173	U	0.00172	U	0.00165	U
Heptachlor	0.42	2.1	0.042	0.000836	U	0.000941	U	0.000849	U	0.000845	U	0.000856	U	0.000864	U	0.000861	U	0.000824	U
Aldrin	0.019	0.097	0.005	0.00167	U	0.00188	U	0.0017	U	0.00169	U	0.00171	U	0.00173	U	0.00172	U	0.00165	U
Heptachlor epoxide				0.00313	U	0.00353	U	0.00318	U	0.00317	U	0.00321	U	0.00324	U	0.00323	U	0.00309	U
Endrin	2.2	11	0.014	0.000696	U	0.000784	U	0.000707	U	0.000704	U	0.000713	U	0.00072	U	0.000718	U	0.000687	U
Endrin aldehyde				0.00209	U	0.00235	U	0.00212	U	0.00211	U	0.00214	U	0.00216	U	0.00215	U	0.00206	U
Endrin ketone				0.00167	U	0.00188	U	0.0017	U	0.00169	U	0.00171	U	0.00173	U	0.00172	U	0.00165	U
Dieldrin	0.039	0.2	0.005	0.00104	U	0.00118	U	0.00106	U	0.00106	U	0.00107	U	0.00168	IP	0.00386	IP	0.00103	U
4,4'-DDE	1.8	8.9	0.0033	0.00167	U	0.00188	U	0.0017	U	0.00169	U	0.00171	U	0.00392		0.00962		0.00165	U
4,4'-DDD	2.6	13	0.0033	0.00167	U	0.00188	U	0.0017	U	0.00169	U	0.00171	U	0.00286		0.0075		0.00165	U
4,4'-DDT	1.7	7.9	0.0033	0.00313	U	0.00353	U	0.00318	U	0.00317	U	0.00321	U	0.0091		0.0307		0.00309	U
Endosulfan I	4.8	24	2.4	0.00167	U	0.00188	U	0.0017	U	0.00169	U	0.00171	U	0.00173	U	0.00172	U	0.00165	U
Endosulfan II	4.8	24	2.4	0.00167	U	0.00188	U	0.0017	U	0.00169	U	0.00171	U	0.00173	U	0.00172	U	0.00165	U
Endosulfan sulfate	4.8	24	2.4	0.000696	U	0.000784	U	0.000707	U	0.000704	U	0.000713	U	0.00072	U	0.000718	U	0.000687	U
Methoxychlor				0.00313	U	0.00353	U	0.00318	U	0.00317	U	0.00321	U	0.00211	JIP	0.00465	IP	0.00309	U
Toxaphene				0.0313	U	0.0353	U	0.0318	U	0.0317	U	0.0321	U	0.0324	U	0.0323	U	0.0309	U
cis-Chlordane	0.91	4.2	0.094	0.00209	U	0.00235	U	0.00212	U	0.00211	U	0.00214	U	0.00323	IP	0.00537		0.00206	U
trans-Chlordane				0.00209	U	0.00235	U	0.00212	U	0.00211	U	0.00214	U	0.00346	IP	0.00394	IP	0.00206	U
Chlordane				0.0136	U	0.0153	U	0.0138	U	0.0137	U	0.0139	U	0.0392	P	0.014	U	0.0134	U
Polychlorinated Biphenyls by GC																			
Aroclor 1016	1	1	0.1	0.0356	U	0.0396	U	0.035	U	0.0355	U	0.036	U	0.0358	U	0.0365	U	0.035	U
Aroclor 1221	1	1	0.1	0.0356	U	0.0396	U	0.035	U	0.0355	U	0.036	U	0.0358	U	0.0365	U	0.035	U
Aroclor 1232	1	1	0.1	0.0356	U	0.0396	U	0.035	U	0.0355	U	0.036	U	0.0358	U	0.0365	U	0.035	U
Aroclor 1242	1	1	0.1	0.0356	U	0.0396	U	0.035	U	0.0355	U	0.036	U	0.0358	U	0.0365	U	0.035	U
Aroclor 1248	1	1	0.1	0.0356	U	0.0396	U	0.035	U	0.0355	U	0.036	U	0.0358	U	0.0365	U	0.035	U
Aroclor 1254	1	1	0.1	0.0356	U	0.0396	U	0.035	U	0.0355	U	0.036	U	0.0139	J	0.023	J	0.035	U
Aroclor 1260	1	1	0.1	0.0356	U	0.0396	U	0.035	U	0.0355	U	0.036	U	0.00694	J	0.0166	J	0.035	U
Aroclor 1262	1	1	0.1	0.0356	U	0.0396	U	0.035	U	0.0355	U	0.036	U	0.0358	U	0.0365	U	0.035	U
Aroclor 1268	1	1	0.1	0.0356	U	0.0396	U	0.035	U	0.0355	U	0.036	U	0.0358	U	0.0123	J	0.035	U
PCBs, Total	1	1	0.1	0.0356	U	0.0396	U	0.035	U	0.0355	U	0.036	U	0.0208	J	0.0519	J	0.035	U

*T There are no TICs reported for the sample
* : LCS or LCSD is outside acceptance limits.
SCOs: Soil Cleanup Objectives
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Exceeds Restricted Residential Standard
Exceeds Unrestricted Standard
Reporting limit exceeds one or more standards

Table 5.9D
Pesticides and PCBs in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	B-15 (3-4)		B-15 (6-7)		B-4 (4-5)		B-4 (4-5)		B-4 (7-8)		B-9 (3-4)		B-9 (3-4)		B-9 (6-7)	
SAMPLING DATE	Residential	Restricted	Unrestricted	9/10/2019		9/10/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019	
LAB SAMPLE ID	Use	Residential	Use	L1941309-17		L1941309-18		L1941584-04		L1941584-04 R1		L1941584-05		L1941584-07		L1941584-07 R1		L1941584-08	
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm																
General Chemistry																			
Solids, Total				90.4		89.3		91.5		-	-	89.6		89.6		-	-	92	
Cyanide, Total	27	27	27	1.1	U	1	U	1.1	U	-	-	1.1	U	1.1	U	-	-	1	U
Organochlorine Pesticides by GC																			
Delta-BHC	100	100	0.04	0.00169	U	0.00172	U	0.00169	U	-	-	0.00173	U	0.00173	U	-	-	0.00166	U
Lindane	0.28	1.3	0.1	0.000705	U	0.000717	U	0.000704	U	-	-	0.000722	U	0.000723	U	-	-	0.000694	U
Alpha-BHC	0.097	0.48	0.02	0.000705	U	0.000717	U	0.000704	U	-	-	0.000722	U	0.000723	U	-	-	0.000694	U
Beta-BHC	0.072	0.36	0.036	0.00169	U	0.00172	U	0.00169	U	-	-	0.00173	U	0.00173	U	-	-	0.00166	U
Heptachlor	0.42	2.1	0.042	0.000846	U	0.00086	U	0.000844	U	-	-	0.000866	U	0.000867	U	-	-	0.000833	U
Aldrin	0.019	0.097	0.005	0.00169	U	0.00172	U	0.00169	U	-	-	0.00173	U	0.00173	U	-	-	0.00166	U
Heptachlor epoxide				0.00317	U	0.00323	U	0.00317	U	-	-	0.00325	U	0.00465	IP	-	-	0.00312	U
Endrin	2.2	11	0.014	0.000705	U	0.000717	U	0.000704	U	-	-	0.000722	U	0.000723	U	-	-	0.000694	U
Endrin aldehyde				0.00212	U	0.00215	U	0.00211	U	-	-	0.00216	U	0.00217	U	-	-	0.00208	U
Endrin ketone				0.00169	U	0.00172	U	0.00169	U	-	-	0.00173	U	0.00173	U	-	-	0.00166	U
Dieldrin	0.039	0.2	0.005	0.00113	IP	0.0122		0.0234		-	-	0.00097	J	0.00108	U	-	-	0.00104	U
4,4'-DDE	1.8	8.9	0.0033	0.00524		0.0162		0.0417		-	-	0.00065	JIP	0.00647		-	-	0.00136	J
4,4'-DDD	2.6	13	0.0033	0.00186		0.0102		0.156	E	0.173		0.00558		0.0183		-	-	0.00485	
4,4'-DDT	1.7	7.9	0.0033	0.0055		0.0327		0.00317	U	-	-	0.00153	J	0.00325	U	-	-	0.00312	U
Endosulfan I	4.8	24	2.4	0.00169	U	0.00172	U	0.00169	U	-	-	0.00173	U	0.00173	U	-	-	0.00166	U
Endosulfan II	4.8	24	2.4	0.00169	U	0.00172	U	0.00169	U	-	-	0.00173	U	0.00173	U	-	-	0.00166	U
Endosulfan sulfate	4.8	24	2.4	0.000705	U	0.000717	U	0.000704	U	-	-	0.000722	U	0.000723	U	-	-	0.000694	U
Methoxychlor				0.000994	JIP	0.00375		0.00317	U	-	-	0.00325	U	0.00325	U	-	-	0.00312	U
Toxaphene				0.0317	U	0.0323	U	0.0317	U	-	-	0.0325	U	0.0325	U	-	-	0.0312	U
cis-Chlordane	0.91	4.2	0.094	0.0228	IP	0.00765		0.0286		-	-	0.00216	U	0.186	IPE	0.281	IP	0.00208	U
trans-Chlordane				0.0257	IP	0.00515	IP	0.0222		-	-	0.00216	U	0.199	E	0.289		0.00208	U
Chlordane				0.249		0.05		0.499	P	-	-	0.0141	U	1.96		-	-	0.0135	U
Polychlorinated Biphenyls by GC																			
Aroclor 1016	1	1	0.1	0.0358	U	0.0358	U	0.0344	U	-	-	0.037	U	0.0358	U	-	-	0.0342	U
Aroclor 1221	1	1	0.1	0.0358	U	0.0358	U	0.0344	U	-	-	0.037	U	0.0358	U	-	-	0.0342	U
Aroclor 1232	1	1	0.1	0.0358	U	0.0358	U	0.0344	U	-	-	0.037	U	0.0358	U	-	-	0.0342	U
Aroclor 1242	1	1	0.1	0.0358	U	0.0358	U	0.0702		-	-	0.037	U	0.0358	U	-	-	0.0342	U
Aroclor 1248	1	1	0.1	0.0358	U	0.0358	U	0.0344	U	-	-	0.037	U	0.0358	U	-	-	0.0342	U
Aroclor 1254	1	1	0.1	0.0358	U	0.0358	U	0.0263	J	-	-	0.037	U	0.0358	U	-	-	0.0342	U
Aroclor 1260	1	1	0.1	0.0358	U	0.00737	J	0.011	J	-	-	0.037	U	0.0358	U	-	-	0.0342	U
Aroclor 1262	1	1	0.1	0.0358	U	0.0358	U	0.0344	U	-	-	0.037	U	0.0358	U	-	-	0.0342	U
Aroclor 1268	1	1	0.1	0.0358	U	0.0358	U	0.00473	J	-	-	0.037	U	0.0358	U	-	-	0.0342	U
PCBs, Total	1	1	0.1	0.0358	U	0.00737	J	0.112	J	-	-	0.037	U	0.0358	U	-	-	0.0342	U

*T There are no TICs reported for the sample
* : LCS or LCSD is outside acceptance limits.
SCOs: Soil Cleanup Objectives
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.
Exceeds Restricted Residential Standard
Exceeds Unrestricted Standard
Reporting limit exceeds one or more standards

Table 5.9D
Pesticides and PCBs in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	B-14 (8-9)		B-14 (2-3)		B-13 (3-4)		B-13 (6-7)		B-13 (6-7)		B-8 (4-5)		B-8 (5-6)		B-3 (4-5)	
SAMPLING DATE	Residential	Restricted	Unrestricted	9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019	
LAB SAMPLE ID	Use	Residential	Use	L1941584-09		L1941584-10		L1941584-11		L1941584-12		L1941584-12 R1		L1941584-13		L1941584-14		L1941584-15	
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm																
General Chemistry																			
Solids, Total				93.4		95.6		93.1		91.6		-	-	90.6		90.6		97.2	
Cyanide, Total	27	27	27	1	U	0.98	U	0.98	U	1	U	-	-	1.1	U	1	U	0.94	U
Organochlorine Pesticides by GC																			
Delta-BHC	100	100	0.04	0.00164	U	0.00158	U	0.00166	U	0.00165	U	-	-	0.00167	U	0.00176	U	0.00155	U
Lindane	0.28	1.3	0.1	0.000684	U	0.00066	U	0.000694	U	0.000687	U	-	-	0.000697	U	0.000734	U	0.000646	U
Alpha-BHC	0.097	0.48	0.02	0.000684	U	0.00066	U	0.000694	U	0.000687	U	-	-	0.000697	U	0.000734	U	0.000646	U
Beta-BHC	0.072	0.36	0.036	0.00164	U	0.00158	U	0.00166	U	0.00165	U	-	-	0.00167	U	0.00176	U	0.00155	U
Heptachlor	0.42	2.1	0.042	0.000821	U	0.000792	U	0.000833	U	0.000824	U	-	-	0.000836	U	0.000881	U	0.000775	U
Aldrin	0.019	0.097	0.005	0.00164	U	0.00158	U	0.00166	U	0.00165	U	-	-	0.00167	U	0.00176	U	0.00155	U
Heptachlor epoxide				0.00308	U	0.00201	JP	0.001	JIP	0.00309	U	-	-	0.00314	U	0.0033	U	0.00291	U
Endrin	2.2	11	0.014	0.000684	U	0.00066	U	0.000694	U	0.000687	U	-	-	0.000697	U	0.000734	U	0.000646	U
Endrin aldehyde				0.00205	U	0.00198	U	0.00208	U	0.00206	U	-	-	0.00209	U	0.0022	U	0.00194	U
Endrin ketone				0.00164	U	0.00158	U	0.00166	U	0.00165	U	-	-	0.00167	U	0.00176	U	0.00155	U
Dieldrin	0.039	0.2	0.005	0.00103	U	0.0015		0.00162		0.00107		-	-	0.00104	U	0.0011	U	0.000969	U
4,4'-DDE	1.8	8.9	0.0033	0.00164	U	0.00127	J	0.00152	J	0.134		-	-	0.00167	U	0.00176	U	0.00155	U
4,4'-DDD	2.6	13	0.0033	0.00164	U	0.00158	U	0.00166	U	0.00205	IP	-	-	0.00167	U	0.00176	U	0.00155	U
4,4'-DDT	1.7	7.9	0.0033	0.00308	U	0.00624		0.00913		0.521	E	0.589		0.00314	U	0.0033	U	0.00291	U
Endosulfan I	4.8	24	2.4	0.00164	U	0.00158	U	0.00166	U	0.00165	U	-	-	0.00167	U	0.00176	U	0.00155	U
Endosulfan II	4.8	24	2.4	0.00164	U	0.00158	U	0.00166	U	0.00165	U	-	-	0.00167	U	0.00176	U	0.00155	U
Endosulfan sulfate	4.8	24	2.4	0.000684	U	0.00066	U	0.000694	U	0.000687	U	-	-	0.000697	U	0.000734	U	0.000646	U
Methoxychlor				0.00308	U	0.00297	U	0.00312	U	0.00309	U	-	-	0.00314	U	0.0033	U	0.00291	U
Toxaphene				0.0308	U	0.0297	U	0.0312	U	0.0309	U	-	-	0.0314	U	0.033	U	0.0291	U
cis-Chlordane	0.91	4.2	0.094	0.0109		0.0254	P	0.021	IP	0.00102	JIP	-	-	0.00209	U	0.0022	U	0.00194	U
trans-Chlordane				0.00971		0.0178		0.0287		0.00206	U	-	-	0.00209	U	0.0022	U	0.00194	U
Chlordane				0.0796		0.127		0.0135	U	0.0134	U	-	-	0.0136	U	0.0143	U	0.0126	U
Polychlorinated Biphenyls by GC																			
Aroclor 1016	1	1	0.1	0.0349	U	0.0346	U	0.0344	U	0.0346	U	-	-	0.0364	U	0.035	U	0.0327	U
Aroclor 1221	1	1	0.1	0.0349	U	0.0346	U	0.0344	U	0.0346	U	-	-	0.0364	U	0.035	U	0.0327	U
Aroclor 1232	1	1	0.1	0.0349	U	0.0346	U	0.0344	U	0.0346	U	-	-	0.0364	U	0.035	U	0.0327	U
Aroclor 1242	1	1	0.1	0.0349	U	0.0346	U	0.0344	U	0.0346	U	-	-	0.0364	U	0.035	U	0.0327	U
Aroclor 1248	1	1	0.1	0.0349	U	0.0346	U	0.0344	U	0.0346	U	-	-	0.0364	U	0.035	U	0.0327	U
Aroclor 1254	1	1	0.1	0.0349	U	0.0346	U	0.0344	U	0.0346	U	-	-	0.0364	U	0.035	U	0.0327	U
Aroclor 1260	1	1	0.1	0.0349	U	0.0119	J	0.0173	J	0.0346	U	-	-	0.0364	U	0.035	U	0.0327	U
Aroclor 1262	1	1	0.1	0.0349	U	0.0346	U	0.0344	U	0.0346	U	-	-	0.0364	U	0.035	U	0.0327	U
Aroclor 1268	1	1	0.1	0.0349	U	0.0346	U	0.0344	U	0.0346	U	-	-	0.0364	U	0.035	U	0.00453	J
PCBs, Total	1	1	0.1	0.0349	U	0.0119	J	0.0173	J	0.0346	U	-	-	0.0364	U	0.035	U	0.00453	J

*T There are no TICs reported for the sample
* : LCS or LCSD is outside acceptance limits.
SCOs: Soil Cleanup Objectives
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Exceeds Restricted Residential Standard
Exceeds Unrestricted Standard
Reporting limit exceeds one or more standards

Table 5.9D
Pesticides and PCBs in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(a)	B-3 (6-7)		DUP		B-19 (4'-5')		B-19 (5.5'-6.5')		B-12 (3'-4')		B-12 (8'-9')		B-18 (2'-3')		B-17 (1.5'-2.5')	
SAMPLING DATE	Residential	Restricted	Unrestricted	9/11/2019		9/11/2019		10/30/2019		10/30/2019		10/30/2019		10/30/2019		10/30/2019		10/30/2019	
LAB SAMPLE ID	Use	Residential	Use	L1941584-16		L1941584-17		L1951248-01		L1951248-02		L1951248-03		L1951248-04		L1951248-05		L1951248-06	
SAMPLE TYPE	SCOs	SCOs	SCOs	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	ppm	ppm	ppm																
General Chemistry																			
Solids, Total				87.6		91.7		78.1		88.5		88.8		85.8		89.5		91.3	
Cyanide, Total	27	27	27	1	U	1.1	U	3.3		0.28	J	2.3		0.51	J	6.6		74	
Organochlorine Pesticides by GC																			
Delta-BHC	100	100	0.04	0.0018	U	0.00169	U	0.00195	U	0.00174	U	0.00174	U	0.00175	U	0.0017	U	0.00169	U
Lindane	0.28	1.3	0.1	0.000748	U	0.000704	U	0.000813	U	0.000725	U	0.000725	U	0.000731	U	0.000711	U	0.000706	U
Alpha-BHC	0.097	0.48	0.02	0.000748	U	0.000704	U	0.000813	U	0.000725	U	0.000725	U	0.000731	U	0.000711	U	0.000706	U
Beta-BHC	0.072	0.36	0.036	0.0018	U	0.00169	U	0.00195	U	0.00174	U	0.00174	U	0.00175	U	0.0017	U	0.00169	U
Heptachlor	0.42	2.1	0.042	0.000898	U	0.000845	U	0.000976	U	0.00087	U	0.00087	U	0.000877	U	0.000853	U	0.000847	U
Aldrin	0.019	0.097	0.005	0.0018	U	0.00169	U	0.00195	U	0.00174	U	0.00174	U	0.00175	U	0.0017	U	0.00169	U
Heptachlor epoxide				0.00337	U	0.00317	U	0.00366	U	0.00326	U	0.00326	U	0.00329	U	0.0032	U	0.00318	U
Endrin	2.2	11	0.014	0.000748	U	0.000704	U	0.000813	U	0.000725	U	0.000725	U	0.000731	U	0.000711	U	0.000706	U
Endrin aldehyde				0.00224	U	0.00211	U	0.00244	U	0.00217	U	0.00217	U	0.00219	U	0.00213	U	0.00212	U
Endrin ketone				0.0018	U	0.00169	U	0.00195	U	0.00174	U	0.00174	U	0.00175	U	0.0017	U	0.00169	U
Dieldrin	0.039	0.2	0.005	0.00112	U	0.00106	U	0.00122	U	0.00109	U	0.00109	U	0.0011	U	0.00107	U	0.00106	U
4,4'-DDE	1.8	8.9	0.0033	0.0018	U	0.00104	JP	0.00195	U	0.00174	U	0.00174	U	0.00175	U	0.0017	U	0.00169	U
4,4'-DDD	2.6	13	0.0033	0.0018	U	0.00169	U	0.00195	U	0.00174	U	0.00174	U	0.00175	U	0.0017	U	0.00169	U
4,4'-DDT	1.7	7.9	0.0033	0.00337	U	0.00191	J	0.00366	U	0.00326	U	0.00326	U	0.00329	U	0.0032	U	0.00318	U
Endosulfan I	4.8	24	2.4	0.0018	U	0.00169	U	0.00195	U	0.00174	U	0.00174	U	0.00175	U	0.0017	U	0.00169	U
Endosulfan II	4.8	24	2.4	0.0018	U	0.00169	U	0.00195	U	0.00174	U	0.00174	U	0.00175	U	0.0017	U	0.00169	U
Endosulfan sulfate	4.8	24	2.4	0.000748	U	0.000704	U	0.000813	U	0.000725	U	0.000725	U	0.000731	U	0.000711	U	0.000706	U
Methoxychlor				0.00337	U	0.00317	U	0.00366	U	0.00326	U	0.00326	U	0.00329	U	0.0032	U	0.00318	U
Toxaphene				0.0337	U	0.0317	U	0.0366	U	0.0326	U	0.0326	U	0.0329	U	0.032	U	0.0318	U
cis-Chlordane	0.91	4.2	0.094	0.00224	U	0.00211	U	0.00244	U	0.00217	U	0.00217	U	0.00219	U	0.00213	U	0.00212	U
trans-Chlordane				0.00224	U	0.00211	U	0.00244	U	0.00217	U	0.00217	U	0.00219	U	0.00213	U	0.00212	U
Chlordane				0.0146	U	0.0137	U	0.0159	U	0.0141	U	0.0141	U	0.0142	U	0.0138	U	0.0138	U
Polychlorinated Biphenyls by GC																			
Aroclor 1016	1	1	0.1	0.0378	U	0.0355	U	0.0409	U	0.0359	U	0.0365	U	0.0378	U	0.0362	U	0.0342	U
Aroclor 1221	1	1	0.1	0.0378	U	0.0355	U	0.0409	U	0.0359	U	0.0365	U	0.0378	U	0.0362	U	0.0342	U
Aroclor 1232	1	1	0.1	0.0378	U	0.0355	U	0.0409	U	0.0359	U	0.0365	U	0.0378	U	0.0362	U	0.0342	U
Aroclor 1242	1	1	0.1	0.0378	U	0.0355	U	0.0409	U	0.0359	U	0.0365	U	0.0378	U	0.0362	U	0.0342	U
Aroclor 1248	1	1	0.1	0.0378	U	0.0355	U	0.0409	U	0.0359	U	0.0365	U	0.0378	U	0.0362	U	0.0342	U
Aroclor 1254	1	1	0.1	0.0378	U	0.0355	U	0.0409	U	0.0359	U	0.0365	U	0.0378	U	0.0362	U	0.0342	U
Aroclor 1260	1	1	0.1	0.0378	U	0.0355	U	0.0409	U	0.0359	U	0.0365	U	0.0378	U	0.0362	U	0.111	
Aroclor 1262	1	1	0.1	0.0378	U	0.0355	U	0.0409	U	0.0359	U	0.0365	U	0.0378	U	0.0362	U	0.0342	U
Aroclor 1268	1	1	0.1	0.0378	U	0.0355	U	0.0409	U	0.0359	U	0.0365	U	0.0378	U	0.0362	U	0.0342	U
PCBs, Total	1	1	0.1	0.0378	U	0.0355	U	0.0409	U	0.0359	U	0.0365	U	0.0378	U	0.0362	U	0.111	

*T There are no TICs reported for the sample
* : LCS or LCSD is outside acceptance limits.
SCOs: Soil Cleanup Objectives
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.
Exceeds Restricted Residential Standard
Exceeds Unrestricted Standard
Reporting limit exceeds one or more standards

Table 5.9E
PFAS Compounds in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION			B-2 (3-4)		B-2 (6-7)		B-7 (1-2)		B-16 (3-4)		B-16 (7-8)		B-1 (2-3)	
SAMPLING DATE			9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019	
LAB SAMPLE ID			L1941309-01		L1941309-02		L1941309-03		L1941309-04		L1941309-05		L1941309-06	
SAMPLE TYPE			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)														
	CasNum	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Perfluorinated Alkyl Acids by Isotope Dilution														
Perfluorobutanoic Acid (PFBA)	375-22-4	ug/kg	1.04	U	1.05	U	1.16	U	0.996	U	1.05	U	1	U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	ug/kg	1.04	U	1.05	U	1.16	U	0.996	U	1.05	U	1	U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	ug/kg	1.04	U	1.05	U	1.16	U	0.071	J	1.05	U	1	U
Perfluorohexanoic Acid (PFHxA)	307-24-4	ug/kg	1.04	U	1.05	U	1.16	U	0.996	U	1.05	U	0.054	J
Perfluoroheptanoic Acid (PFHpA)	375-85-9	ug/kg	1.04	U	1.05	U	1.16	U	0.996	U	1.05	U	1	U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	ug/kg	1.04	U	1.05	U	1.16	U	0.996	U	1.05	U	1	U
Perfluorooctanoic Acid (PFOA)	335-67-1	ug/kg	1.04	U	1.05	U	1.16	U	0.996	U	1.05	U	1	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	ug/kg	1.04	U	1.05	U	1.16	U	0.996	U	1.05	U	1	U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	ug/kg	1.04	U	1.05	U	1.16	U	0.996	U	1.05	U	1	U
Perfluorononanoic Acid (PFNA)	375-95-1	ug/kg	1.04	U	1.05	U	1.16	U	0.996	U	1.05	U	1	U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	ug/kg	1.04	U	1.05	U	1.73		8.62		10.6		1	U
Perfluorodecanoic Acid (PFDA)	335-76-2	ug/kg	1.04	U	1.05	U	1.16	U	0.996	U	1.05	U	1	U
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	ug/kg	1.04	U	1.05	U	1.16	U	0.996	U	1.05	U	1	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	ug/kg	1.04	U	1.05	U	1.16	U	0.996	U	1.05	U	1	U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ug/kg	1.04	U	1.05	U	1.16	U	0.996	U	1.05	U	1	U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	ug/kg	1.04	U	1.05	U	1.16	U	0.996	U	1.05	U	1	U
Perfluorooctanesulfonamide (FOSA)	754-91-6	ug/kg	10.4	U	1.05	U	0.28	J	0.112	J	1.05	U	1	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	ug/kg	1.04	U	1.05	U	0.128	J	0.438	J	1.05	U	1	U
Perfluorododecanoic Acid (PFDoA)	307-55-1	ug/kg	1.04	U	1.05	U	1.16	U	0.996	U	1.05	U	1	U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	ug/kg	1.04	U	1.05	U	1.16	U	0.996	U	1.05	U	1	U
Perfluorotetradecanoic Acid (PFTA)	376-06-7	ug/kg	1.04	U	1.05	U	1.16	U	0.996	U	1.05	U	1	U
PFOA/PFOS, Total	null	ug/kg	1.04	U	1.05	U	1.73		8.62		10.6		1	U

* Grey shading indicates detections of these compounds

Table 5.9E
PFAS Compounds in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION			B-1 (5-6)		B-1 (10-11)		B-11 (6-7)		B-11 (0-1)		B-6 (10-11)		B-6 (7-8)	
SAMPLING DATE			9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019	
LAB SAMPLE ID			L1941309-07		L1941309-08		L1941309-09		L1941309-10		L1941309-11		L1941309-12	
SAMPLE TYPE			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)														
	CasNum	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Perfluorinated Alkyl Acids by Isotope Dilution														
Perfluorobutanoic Acid (PFBA)	375-22-4	ug/kg	0.942	U	0.982	U	1.04	U	1.1	U	0.984	U	1.04	U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	ug/kg	0.942	U	0.982	U	1.04	U	1.1	U	0.984	U	1.04	U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	ug/kg	0.942	U	0.982	U	0.203	J	1.1	U	0.984	U	0.053	J
Perfluorohexanoic Acid (PFHxA)	307-24-4	ug/kg	0.05	J	0.982	U	1.04	U	1.1	U	0.984	U	0.057	J
Perfluoroheptanoic Acid (PFHpA)	375-85-9	ug/kg	0.942	U	0.982	U	1.04	U	1.1	U	0.984	U	1.04	U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	ug/kg	0.942	U	0.982	U	1.04	U	1.1	U	0.984	U	1.04	U
Perfluorooctanoic Acid (PFOA)	335-67-1	ug/kg	0.942	U	0.982	U	0.324	J	0.195	J	0.984	U	0.081	J
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	ug/kg	0.942	U	0.982	U	1.04	U	1.1	U	0.984	U	1.04	U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	ug/kg	0.942	U	0.982	U	1.04	U	1.1	U	0.984	U	1.04	U
Perfluorononanoic Acid (PFNA)	375-95-1	ug/kg	0.942	U	0.982	U	1.04	U	1.1	U	0.984	U	1.04	U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	ug/kg	0.436	J	0.982	U	3.65		7.27		0.984	U	1.95	
Perfluorodecanoic Acid (PFDA)	335-76-2	ug/kg	0.942	U	0.982	U	1.04	U	1.1	U	0.984	U	1.04	U
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	ug/kg	0.942	U	0.982	U	1.04	U	1.1	U	0.984	U	1.04	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	ug/kg	0.942	U	0.982	U	1.04	U	1.1	U	0.984	U	1.04	U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ug/kg	0.942	U	0.982	U	1.04	U	1.1	U	0.984	U	1.04	U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	ug/kg	0.942	U	0.982	U	1.04	U	1.1	U	0.984	U	1.04	U
Perfluorooctanesulfonamide (FOSA)	754-91-6	ug/kg	9.42	U	0.982	U	2.38		0.363	J	0.105	J	0.129	J
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	ug/kg	0.942	U	0.982	U	2.85		0.343	J	0.984	U	0.42	J
Perfluorododecanoic Acid (PFDoA)	307-55-1	ug/kg	0.942	U	0.982	U	1.04	U	1.1	U	0.984	U	1.04	U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	ug/kg	0.942	U	0.982	U	1.04	U	1.1	U	0.984	U	1.04	U
Perfluorotetradecanoic Acid (PFTA)	376-06-7	ug/kg	0.942	U	0.982	U	1.04	U	1.1	U	0.984	U	1.04	U
PFOA/PFOS, Total	null	ug/kg	0.436	J	0.982	U	3.97	J	7.47	J	0.984	U	2.03	J

* Grey shading indicates detections of these compounds

Table 5.9E
PFAS Compounds in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION			B-6 (1-2)		B-10 (2-3)		B-10 (7-8)		B-10 (11-12)		B-15 (3-4)		B-15 (6-7)	
SAMPLING DATE			9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019		9/10/2019	
LAB SAMPLE ID			L1941309-13		L1941309-14		L1941309-15		L1941309-16		L1941309-17		L1941309-18	
SAMPLE TYPE			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)														
	CasNum	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Perfluorinated Alkyl Acids by Isotope Dilution														
Perfluorobutanoic Acid (PFBA)	375-22-4	ug/kg	1.04	U	0.993	U	1.02	U	1.04	U	1.08	U	1.04	U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	ug/kg	1.04	U	0.993	U	1.02	U	1.04	U	1.08	U	1.04	U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	ug/kg	1.04	U	0.993	U	1.02	U	1.04	U	1.08	U	1.04	U
Perfluorohexanoic Acid (PFHxA)	307-24-4	ug/kg	1.04	U	0.055	J	0.06	J	0.057	J	0.085	J	0.057	J
Perfluoroheptanoic Acid (PFHpA)	375-85-9	ug/kg	1.04	U	0.993	U	1.02	U	1.04	U	1.08	U	1.04	U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	ug/kg	1.04	U	0.993	U	1.02	U	1.04	U	1.08	U	1.04	U
Perfluorooctanoic Acid (PFOA)	335-67-1	ug/kg	1.04	U	0.993	U	1.02	U	1.04	U	0.152	J	1.04	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	ug/kg	1.04	U	0.993	U	1.02	U	1.04	U	1.08	U	1.04	U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	ug/kg	1.04	U	0.993	U	1.02	U	1.04	U	1.08	U	1.04	U
Perfluorononanoic Acid (PFNA)	375-95-1	ug/kg	1.04	U	0.993	U	1.02	U	1.04	U	1.08	U	1.04	U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	ug/kg	0.68	J	0.878	J	0.364	J	1.04	U	1.78		0.338	J
Perfluorodecanoic Acid (PFDA)	335-76-2	ug/kg	1.04	U	0.993	U	1.02	U	1.04	U	1.08	U	1.04	U
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	ug/kg	1.04	U	0.993	U	1.02	U	1.04	U	1.08	U	1.04	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	ug/kg	1.04	U	0.993	U	1.02	U	1.04	U	1.08	U	1.04	U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ug/kg	1.04	U	0.993	U	1.02	U	1.04	U	1.08	U	1.04	U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	ug/kg	1.04	U	0.993	U	1.02	U	1.04	U	1.08	U	1.04	U
Perfluorooctanesulfonamide (FOSA)	754-91-6	ug/kg	1.04	U	0.993	U	1.02	U	1.04	U	1.08	U	1.04	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	ug/kg	1.04	U	0.993	U	1.02	U	1.04	U	1.08	U	1.04	U
Perfluorododecanoic Acid (PFDoA)	307-55-1	ug/kg	1.04	U	0.993	U	1.02	U	1.04	U	1.08	U	1.04	U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	ug/kg	1.04	U	0.993	U	1.02	U	1.04	U	1.08	U	1.04	U
Perfluorotetradecanoic Acid (PFTA)	376-06-7	ug/kg	1.04	U	0.993	U	1.02	U	1.04	U	1.08	U	1.04	U
PFOA/PFOS, Total	null	ug/kg	0.68	J	0.878	J	0.364	J	1.04	U	1.93	J	0.338	J

* Grey shading indicates detections of these compounds

Table 5.9E
PFAS Compounds in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION			B-4 (7-8)		B-9 (3-4)		B-9 (6-7)		B-14 (8-9)		B-14 (2-3)		DUP	
SAMPLING DATE			9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019	
LAB SAMPLE ID			L1941584-05		L1941584-07		L1941584-08		L1941584-09		L1941584-10		L1941584-17	
SAMPLE TYPE			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)														
	CasNum	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Perfluorinated Alkyl Acids by Isotope Dilution														
Perfluorobutanoic Acid (PFBA)	375-22-4	ug/kg	1.05	U	1.05	U	1.02	U	0.967	U	1.02	U	1.04	U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	ug/kg	1.05	U	1.05	U	1.02	U	0.967	U	1.02	U	1.04	U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	ug/kg	1.05	U	1.05	U	1.02	U	0.967	U	1.02	U	1.04	U
Perfluorohexanoic Acid (PFHxA)	307-24-4	ug/kg	1.05	U	0.058	J	0.057	J	0.057	J	0.075	J	0.06	J
Perfluoroheptanoic Acid (PFHpA)	375-85-9	ug/kg	1.05	U	1.05	U	1.02	U	0.967	U	1.02	U	1.04	U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	ug/kg	1.05	U	1.05	U	1.02	U	0.967	U	1.02	U	1.04	U
Perfluorooctanoic Acid (PFOA)	335-67-1	ug/kg	1.05	U	0.059	J	1.02	U	0.967	U	0.057	J	0.174	J
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	ug/kg	1.05	U	1.05	U	0.874	J	0.384	J	0.301	J	0.285	J
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	ug/kg	1.05	U	1.05	U	1.02	U	0.967	U	1.02	U	1.04	U
Perfluorononanoic Acid (PFNA)	375-95-1	ug/kg	1.05	U	1.05	U	1.02	U	0.967	U	0.098	J	1.04	U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	ug/kg	0.571	J	0.402	J	0.221	J	0.183	J	1.4		0.655	J
Perfluorodecanoic Acid (PFDA)	335-76-2	ug/kg	1.05	U	1.05	U	1.02	U	0.967	U	1.02	U	1.04	U
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	ug/kg	1.05	U	1.05	U	1.02	U	0.967	U	1.02	U	1.04	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	ug/kg	1.05	U	1.05	U	1.02	U	0.967	U	1.02	U	1.04	U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ug/kg	1.05	U	1.05	U	1.02	U	0.967	U	1.02	U	1.04	U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	ug/kg	1.05	U	1.05	U	1.02	U	0.967	U	1.02	U	1.04	U
Perfluorooctanesulfonamide (FOSA)	754-91-6	ug/kg	10.5	U	10.5	U	10.2	U	9.7	U	10.2	U	10.4	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	ug/kg	1.05	U	1.05	U	1.02	U	0.967	U	1.02	U	1.04	U
Perfluorododecanoic Acid (PFDoA)	307-55-1	ug/kg	1.05	U	1.05	U	1.02	U	0.967	U	1.02	U	1.04	U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	ug/kg	1.05	U	1.05	U	1.02	U	0.967	U	1.02	U	1.04	U
Perfluorotetradecanoic Acid (PFTA)	376-06-7	ug/kg	1.05	U	1.05	U	1.02	U	0.967	U	1.02	U	1.04	U
PFOA/PFOS, Total	null	ug/kg	0.571	J	0.461	J	0.221	J	0.183	J	1.46	J	0.829	J

* Grey shading indicates detections of these compounds

Table 5.9E
PFAS Compounds in Soil
33 Centre Avenue, New Rochelle, NY

LOCATION			B-19 (4'-5')		B-19 (5.5'-6.5')		B-12 (3'-4')		B-12 (8'-9')		B-18 (2'-3')		B-17 (1.5'-2.5')	
SAMPLING DATE			10/30/2019		10/30/2019		10/30/2019		10/30/2019		10/30/2019		10/30/2019	
LAB SAMPLE ID			L1951248-01		L1951248-02		L1951248-03		L1951248-04		L1951248-05		L1951248-06	
SAMPLE TYPE			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)														
	CasNum	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Perfluorinated Alkyl Acids by Isotope Dilution														
Perfluorobutanoic Acid (PFBA)	375-22-4	ug/kg	1.25	U	1.08	U	1	U	1.08	U	1.1	U	1.06	U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	ug/kg	1.25	U	1.08	U	1	U	1.08	U	1.1	U	1.06	U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	ug/kg	0.12	J	1.08	U	1	U	1.08	U	1.1	U	0.052	J
Perfluorohexanoic Acid (PFHxA)	307-24-4	ug/kg	0.086	J	1.08	U	1	U	1.08	U	1.1	U	0.072	J
Perfluoroheptanoic Acid (PFHpA)	375-85-9	ug/kg	1.25	U	1.08	U	1	U	1.08	U	1.1	U	1.06	U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	ug/kg	1.24	J	1.08	U	1	U	1.08	U	1.1	U	1.06	U
Perfluorooctanoic Acid (PFOA)	335-67-1	ug/kg	0.205	J	1.08	U	1	U	1.08	U	1.1	U	0.222	J
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	ug/kg	1.25	U	1.08	U	1	U	1.08	U	1.1	U	2.9	
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	ug/kg	0.615	J	1.08	U	1	U	1.08	U	1.1	U	1.06	U
Perfluorononanoic Acid (PFNA)	375-95-1	ug/kg	1.25	U	1.08	U	1	U	1.08	U	1.1	U	1.06	U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	ug/kg	21.8		0.257	J	2.53		0.374	J	4.85		1.33	
Perfluorodecanoic Acid (PFDA)	335-76-2	ug/kg	1.25	U	1.08	U	1	U	1.08	U	1.1	U	1.06	U
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	ug/kg	1.25	U	1.08	U	1	U	1.08	U	1.1	U	1.06	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	ug/kg	1.25	U	1.08	U	1	U	1.08	U	1.1	U	1.06	U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ug/kg	1.25	U	1.08	U	1	U	1.08	U	1.1	U	1.06	U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	ug/kg	1.25	U	1.08	U	1	U	1.08	U	1.1	U	1.06	U
Perfluorooctanesulfonamide (FOSA)	754-91-6	ug/kg	0.703	J	1.08	U	1	U	1.08	U	1.1	U	5	
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	ug/kg	0.589	J	1.08	U	1	U	1.08	U	1.1	U	7.07	
Perfluorododecanoic Acid (PFDoA)	307-55-1	ug/kg	1.25	U	1.08	U	1	U	1.08	U	1.1	U	1.06	U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	ug/kg	1.25	U	1.08	U	1	U	1.08	U	1.1	U	1.06	U
Perfluorotetradecanoic Acid (PFTA)	376-06-7	ug/kg	1.25	U	1.08	U	1	U	1.08	U	1.1	U	1.06	U
PFOA/PFOS, Total	null	ug/kg	22	J	0.257	J	2.53		0.374	J	4.85		1.55	J

* Grey shading indicates detections of these compounds

Table 5.10A
PCB's and Pesticides in Groundwater
33 Centre Ave, New Rochelle, NY

Well ID	NY Groundwater Standards		Units	MW-1		MW-2		MW-3		MW-7D	
Sampling Date	NY-AWQS	NY-TOGS-GA		12/19/2019		12/19/2019		12/19/2019		12/19/2019	
Lab Sample ID				L1961055-01		L1961055-02		L1961055-03		L1961055-04	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry											
Cyanide, Total	200	400	ug/l	3	J	5		4	J	9	
Organochlorine Pesticides by GC											
Delta-BHC	0.04	0.04	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Lindane	0.05	0.05	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Alpha-BHC	0.01	0.01	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Beta-BHC	0.04	0.04	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Heptachlor	0.04	0.04	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Aldrin	0	0	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Heptachlor epoxide	0.03	0.03	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Endrin	0	0	ug/l	0.029	U	0.029	U	0.029	U	0.029	U
Endrin aldehyde	5	5	ug/l	0.029	U	0.029	U	0.029	U	0.029	U
Endrin ketone	5	5	ug/l	0.029	U	0.029	U	0.029	U	0.029	U
Dieldrin	0.004	0.004	ug/l	0.005	JP	0.029	U	0.029	U	0.029	U
4,4'-DDE	0.2	0.2	ug/l	0.029	U	0.029	U	0.029	U	0.029	U
4,4'-DDD	0.3	0.3	ug/l	0.029	U	0.029	U	0.029	U	0.029	U
4,4'-DDT	0.2	0.2	ug/l	0.029	U	0.029	U	0.029	U	0.029	U
Endosulfan I			ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Endosulfan II			ug/l	0.029	U	0.029	U	0.029	U	0.029	U
Endosulfan sulfate			ug/l	0.029	U	0.029	U	0.029	U	0.029	U
Methoxychlor	35	35	ug/l	0.143	U	0.143	U	0.143	U	0.143	U
Toxaphene	0.06	0.06	ug/l	0.143	U	0.143	U	0.143	U	0.143	U
cis-Chlordane			ug/l	0.014	U	0.014	U	0.014	U	0.015	
trans-Chlordane			ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Chlordane	0.05	0.05	ug/l	0.143	U	0.143	U	0.143	U	0.143	U
Polychlorinated Biphenyls by GC											
Aroclor 1016	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1221	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1232	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1242	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1248	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1254	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1260	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.043	J
Aroclor 1262	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1268	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
PCBs, Total			ug/l	0.083	U	0.083	U	0.083	U	0.043	J

I - The lower value for the two columns has been reported due to obvious interference.
J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
P - The RPD between the results for the two columns exceeds the method-specified criteria.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations
Exceeds NY Groundwater Standards:

Table 5.10A
PCB's and Pesticides in Groundwater
33 Centre Ave, New Rochelle, NY

Well ID	NY Groundwater Standards		Units	FB		MW-5S		MW-5D		MW-8D	
Sampling Date	NY-AWQS	NY-TOGS-GA		12/19/2019		12/20/2019		12/20/2019		12/20/2019	
Lab Sample ID				L1961055-05		L1961258-01		L1961258-02		L1961258-03	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry											
Cyanide, Total	200	400	ug/l	5	U	2	J	46		5	U
Organochlorine Pesticides by GC											
Delta-BHC	0.04	0.04	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Lindane	0.05	0.05	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Alpha-BHC	0.01	0.01	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Beta-BHC	0.04	0.04	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Heptachlor	0.04	0.04	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Aldrin	0	0	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Heptachlor epoxide	0.03	0.03	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Endrin	0	0	ug/l	0.029	U	0.029	U	0.029	U	0.029	U
Endrin aldehyde	5	5	ug/l	0.029	U	0.029	U	0.029	U	0.029	U
Endrin ketone	5	5	ug/l	0.029	U	0.029	U	0.029	U	0.029	U
Dieldrin	0.004	0.004	ug/l	0.029	U	0.029	U	0.029	U	0.029	U
4,4'-DDE	0.2	0.2	ug/l	0.029	U	0.029	U	0.029	U	0.029	U
4,4'-DDD	0.3	0.3	ug/l	0.029	U	0.029	U	0.029	U	0.029	U
4,4'-DDT	0.2	0.2	ug/l	0.029	U	0.029	U	0.029	U	0.029	U
Endosulfan I			ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Endosulfan II			ug/l	0.029	U	0.029	U	0.029	U	0.029	U
Endosulfan sulfate			ug/l	0.029	U	0.029	U	0.029	U	0.029	U
Methoxychlor	35	35	ug/l	0.143	U	0.143	U	0.143	U	0.143	U
Toxaphene	0.06	0.06	ug/l	0.143	U	0.143	U	0.143	U	0.143	U
cis-Chlordane			ug/l	0.014	U	0.014	U	0.014	U	0.014	U
trans-Chlordane			ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Chlordane	0.05	0.05	ug/l	0.143	U	0.143	U	0.143	U	0.143	U
Polychlorinated Biphenyls by GC											
Aroclor 1016	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1221	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1232	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1242	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1248	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1254	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1260	0.09	0.09	ug/l	0.047	J	0.039	J	0.083	U	0.083	U
Aroclor 1262	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1268	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
PCBs, Total			ug/l	0.047	J	0.039	J	0.083	U	0.083	U

I - The lower value for the two columns has been reported due to obvious interference.
J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
P - The RPD between the results for the two columns exceeds the method-specified criteria.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations
Exceeds NY Groundwater Standards:

Table 5.10A
PCB's and Pesticides in Groundwater
33 Centre Ave, New Rochelle, NY

Well ID	NY Groundwater Standards		Units	MW-9		MW-10		DUP		FB	
Sampling Date	NY-AWQS	NY-TOGS-GA		12/20/2019		12/20/2019		12/20/2019		12/20/2019	
Lab Sample ID				L1961258-04		L1961258-05		L1961258-06		L1961258-07	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry											
Cyanide, Total	200	400	ug/l	4	J	9		55		5	U
Organochlorine Pesticides by GC											
Delta-BHC	0.04	0.04	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Lindane	0.05	0.05	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Alpha-BHC	0.01	0.01	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Beta-BHC	0.04	0.04	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Heptachlor	0.04	0.04	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Aldrin	0	0	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Heptachlor epoxide	0.03	0.03	ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Endrin	0	0	ug/l	0.029	U	0.029	U	0.029	U	0.029	U
Endrin aldehyde	5	5	ug/l	0.014	JIP	0.013	JP	0.029	U	0.029	U
Endrin ketone	5	5	ug/l	0.029	U	0.029	U	0.029	U	0.029	U
Dieldrin	0.004	0.004	ug/l	0.029	U	0.029	U	0.029	U	0.029	U
4,4'-DDE	0.2	0.2	ug/l	0.029	U	0.029	U	0.029	U	0.029	U
4,4'-DDD	0.3	0.3	ug/l	0.029	U	0.029	U	0.029	U	0.029	U
4,4'-DDT	0.2	0.2	ug/l	0.029	U	0.029	U	0.029	U	0.029	U
Endosulfan I			ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Endosulfan II			ug/l	0.029	U	0.029	U	0.029	U	0.029	U
Endosulfan sulfate			ug/l	0.029	U	0.029	U	0.029	U	0.029	U
Methoxychlor	35	35	ug/l	0.143	U	0.143	U	0.143	U	0.143	U
Toxaphene	0.06	0.06	ug/l	0.143	U	0.143	U	0.143	U	0.143	U
cis-Chlordane			ug/l	0.014	U	0.014	U	0.014	U	0.014	U
trans-Chlordane			ug/l	0.014	U	0.014	U	0.014	U	0.014	U
Chlordane	0.05	0.05	ug/l	0.143	U	0.143	U	0.143	U	0.143	U
Polychlorinated Biphenyls by GC											
Aroclor 1016	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1221	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1232	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1242	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1248	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1254	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1260	0.09	0.09	ug/l	0.083	U	0.083	U	0.045	J	0.035	J
Aroclor 1262	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1268	0.09	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U
PCBs, Total			ug/l	0.083	U	0.083	U	0.045	J	0.035	J

I - The lower value for the two columns has been reported due to obvious interference.
J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
P - The RPD between the results for the two columns exceeds the method-specified criteria.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations
Exceeds NY Groundwater Standards:

Table 5.10B
Semi-Volatile Organic Compounds in Groundwater
33 Centre Ave, New Rochelle, NY

Well ID	NY Groundwater Standards		Units	MW-1		MW-2		MW-3	
Sampling Date				12/19/2019		12/19/2019		12/19/2019	
Lab Sample ID	NY-AWQS	NY-TOGS-GA		L1961055-01		L1961055-02		L1961055-03	
				Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS									
1,2,4-Trichlorobenzene	5	5	ug/l	5	U	5	U	5	U
Bis(2-chloroethyl)ether	1	1	ug/l	2	U	2	U	2	U
1,2-Dichlorobenzene	3	3	ug/l	2	U	2	U	2	U
1,3-Dichlorobenzene	3	3	ug/l	2	U	2	U	2	U
1,4-Dichlorobenzene	3	3	ug/l	2	U	2	U	2	U
3,3'-Dichlorobenzidine	5	5	ug/l	5	U	5	U	5	U
2,4-Dinitrotoluene	5	5	ug/l	5	U	5	U	5	U
2,6-Dinitrotoluene	5	5	ug/l	5	U	5	U	5	U
4-Chlorophenyl phenyl ether			ug/l	2	U	2	U	2	U
4-Bromophenyl phenyl ether			ug/l	2	U	2	U	2	U
Bis(2-chloroisopropyl)ether	5	5	ug/l	2	U	2	U	2	U
Bis(2-chloroethoxy)methane	5	5	ug/l	5	U	5	U	5	U
Hexachlorocyclopentadiene	5	5	ug/l	20	U	20	U	20	U
Isophorone	50	50	ug/l	5	U	5	U	5	U
Nitrobenzene	0.4	0.4	ug/l	2	U	2	U	2	U
NDPA/DPA	50	50	ug/l	2	U	2	U	2	U
n-Nitrosodi-n-propylamine			ug/l	5	U	5	U	5	U
Bis(2-ethylhexyl)phthalate	5	5	ug/l	3	U	3	U	3	U
Butyl benzyl phthalate	50	50	ug/l	5	U	5	U	5	U
Di-n-butylphthalate	50	50	ug/l	5	U	5	U	5	U
Di-n-octylphthalate	50	50	ug/l	5	U	5	U	5	U
Diethyl phthalate	50	50	ug/l	5	U	5	U	5	U
Dimethyl phthalate	50	50	ug/l	5	U	5	U	5	U
Biphenyl			ug/l	2	U	2	U	2	U
4-Chloroaniline	5	5	ug/l	5	U	5	U	5	U
2-Nitroaniline	5	5	ug/l	5	U	5	U	5	U
3-Nitroaniline	5	5	ug/l	5	U	5	U	5	U
4-Nitroaniline	5	5	ug/l	5	U	5	U	5	U
Dibenzofuran			ug/l	2	U	2	U	2	U
1,2,4,5-Tetrachlorobenzene	5	5	ug/l	10	U	10	U	10	U
Acetophenone			ug/l	5	U	5	U	5	U
2,4,6-Trichlorophenol			ug/l	5	U	5	U	5	U
p-Chloro-m-cresol			ug/l	2	U	2	U	2	U
2-Chlorophenol			ug/l	2	U	2	U	2	U
2,4-Dichlorophenol	1	2	ug/l	5	U	5	U	5	U
2,4-Dimethylphenol	50	2	ug/l	5	U	5	U	5	U
2-Nitrophenol			ug/l	10	U	10	U	10	U
4-Nitrophenol			ug/l	10	U	10	U	10	U
2,4-Dinitrophenol	10	2	ug/l	20	U	20	U	20	U
4,6-Dinitro-o-cresol			ug/l	10	U	10	U	10	U
Phenol	1	2	ug/l	5	U	5	U	5	U
2-Methylphenol			ug/l	5	U	5	U	5	U
3-Methylphenol/4-Methylphenol			ug/l	5	U	5	U	5	U
2,4,5-Trichlorophenol			ug/l	5	U	5	U	5	U
Benzoic Acid			ug/l	50	U	50	U	50	U
Benzyl Alcohol			ug/l	2	U	2	U	2	U
Carbazole			ug/l	2	U	2	U	2	U
Semivolatile Organics by GC/MS-SIM									
Acenaphthene	20	20	ug/l	0.1	U	0.07	J	0.1	U
2-Chloronaphthalene	10	10	ug/l	0.2	U	0.2	U	0.2	U
Fluoranthene	50	50	ug/l	0.1	U	0.04	J	0.05	J
Hexachlorobutadiene	0.5	0.5	ug/l	0.5	U	0.5	U	0.5	U
Naphthalene	10	10	ug/l	0.1	U	0.1	U	0.1	U
Benzo(a)anthracene	0.002	0.002	ug/l	0.1	U	0.1	U	0.03	J
Benzo(a)pyrene	0	0	ug/l	0.1	U	0.1	U	0.02	J
Benzo(b)fluoranthene	0.002	0.002	ug/l	0.1	U	0.1	U	0.02	J
Benzo(k)fluoranthene	0.002	0.002	ug/l	0.1	U	0.1	U	0.1	U
Chrysene	0.002	0.002	ug/l	0.1	U	0.1	U	0.02	J
Acenaphthylene			ug/l	0.1	U	0.06	J	0.1	U
Anthracene	50	50	ug/l	0.1	U	0.14		0.03	J
Benzo(ghi)perylene			ug/l	0.1	U	0.1	U	0.1	U
Fluorene	50	50	ug/l	0.1	U	0.1	U	0.1	U
Phenanthrene	50	50	ug/l	0.1	U	0.05	J	0.03	J
Dibenzo(a,h)anthracene			ug/l	0.1	U	0.1	U	0.1	U
Indeno(1,2,3-cd)pyrene	0.002	0.002	ug/l	0.1	U	0.1	U	0.1	U
Pyrene	50	50	ug/l	0.1	U	0.08	J	0.06	J
2-Methylnaphthalene			ug/l	0.1	U	0.1	U	0.1	U
Pentachlorophenol	1	2	ug/l	0.34	J	0.24	J	0.44	J
Hexachlorobenzene	0.04	0.04	ug/l	0.8	U	0.8	U	0.8	U
Hexachloroethane	5	5	ug/l	0.8	U	0.8	U	0.8	U

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations
Exceeds NY Groundwater Standards:

Table 5.10B
Semi-Volatile Organic Compounds in Groundwater
33 Centre Ave, New Rochelle, NY

Well ID	NY Groundwater Standards		Units	MW-7D		FB		MW-5S	
Sampling Date				12/19/2019		12/19/2019		12/20/2019	
Lab Sample ID	NY-AWQS	NY-TOGS-GA		L1961055-04		L1961055-05		L1961258-01	
				Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS									
1,2,4-Trichlorobenzene	5	5	ug/l	5	U	5	U	5	U
Bis(2-chloroethyl)ether	1	1	ug/l	2	U	2	U	2	U
1,2-Dichlorobenzene	3	3	ug/l	2	U	2	U	2	U
1,3-Dichlorobenzene	3	3	ug/l	2	U	2	U	2	U
1,4-Dichlorobenzene	3	3	ug/l	2	U	2	U	2	U
3,3'-Dichlorobenzidine	5	5	ug/l	5	U	5	U	5	U
2,4-Dinitrotoluene	5	5	ug/l	5	U	5	U	5	U
2,6-Dinitrotoluene	5	5	ug/l	5	U	5	U	5	U
4-Chlorophenyl phenyl ether			ug/l	2	U	2	U	2	U
4-Bromophenyl phenyl ether			ug/l	2	U	2	U	2	U
Bis(2-chloroisopropyl)ether	5	5	ug/l	2	U	2	U	2	U
Bis(2-chloroethoxy)methane	5	5	ug/l	5	U	5	U	5	U
Hexachlorocyclopentadiene	5	5	ug/l	20	U	20	U	20	U
Isophorone	50	50	ug/l	5	U	5	U	5	U
Nitrobenzene	0.4	0.4	ug/l	2	U	2	U	2	U
NDPA/DPA	50	50	ug/l	2	U	2	U	2	U
n-Nitrosodi-n-propylamine			ug/l	5	U	5	U	5	U
Bis(2-ethylhexyl)phthalate	5	5	ug/l	3	U	3	U	3	U
Butyl benzyl phthalate	50	50	ug/l	5	U	5	U	5	U
Di-n-butylphthalate	50	50	ug/l	5	U	5	U	5	U
Di-n-octylphthalate	50	50	ug/l	5	U	5	U	5	U
Diethyl phthalate	50	50	ug/l	5	U	5	U	5	U
Dimethyl phthalate	50	50	ug/l	5	U	5	U	5	U
Biphenyl			ug/l	2	U	2	U	2.2	
4-Chloroaniline	5	5	ug/l	5	U	5	U	5	U
2-Nitroaniline	5	5	ug/l	5	U	5	U	5	U
3-Nitroaniline	5	5	ug/l	5	U	5	U	5	U
4-Nitroaniline	5	5	ug/l	5	U	5	U	5	U
Dibenzofuran			ug/l	2	U	2	U	0.81	J
1,2,4,5-Tetrachlorobenzene	5	5	ug/l	10	U	10	U	10	U
Acetophenone			ug/l	5	U	5	U	5	U
2,4,6-Trichlorophenol			ug/l	5	U	5	U	5	U
p-Chloro-m-cresol			ug/l	2	U	2	U	2	U
2-Chlorophenol			ug/l	2	U	2	U	2	U
2,4-Dichlorophenol	1	2	ug/l	5	U	5	U	5	U
2,4-Dimethylphenol	50	2	ug/l	5	U	5	U	5	U
2-Nitrophenol			ug/l	10	U	10	U	10	U
4-Nitrophenol			ug/l	10	U	10	U	10	U
2,4-Dinitrophenol	10	2	ug/l	20	U	20	U	20	U
4,6-Dinitro-o-cresol			ug/l	10	U	10	U	10	U
Phenol	1	2	ug/l	5	U	5	U	5	U
2-Methylphenol			ug/l	5	U	5	U	5	U
3-Methylphenol/4-Methylphenol			ug/l	5	U	5	U	5	U
2,4,5-Trichlorophenol			ug/l	5	U	5	U	5	U
Benzoic Acid			ug/l	50	U	50	U	50	U
Benzyl Alcohol			ug/l	2	U	2	U	2	U
Carbazole			ug/l	2	U	2	U	2	U
Semivolatile Organics by GC/MS-SIM									
Acenaphthene	20	20	ug/l	0.1	U	0.1	U	0.58	
2-Chloronaphthalene	10	10	ug/l	0.2	U	0.2	U	0.2	U
Fluoranthene	50	50	ug/l	0.03	J	0.1	U	0.04	J
Hexachlorobutadiene	0.5	0.5	ug/l	0.5	U	0.5	U	0.5	U
Naphthalene	10	10	ug/l	0.06	J	0.1	U	0.92	
Benzo(a)anthracene	0.002	0.002	ug/l	0.1	U	0.1	U	0.1	U
Benzo(a)pyrene	0	0	ug/l	0.1	U	0.1	U	0.1	U
Benzo(b)fluoranthene	0.002	0.002	ug/l	0.1	U	0.1	U	0.1	U
Benzo(k)fluoranthene	0.002	0.002	ug/l	0.1	U	0.1	U	0.1	U
Chrysene	0.002	0.002	ug/l	0.1	U	0.1	U	0.1	U
Acenaphthylene			ug/l	0.1	U	0.1	U	0.1	U
Anthracene	50	50	ug/l	0.02	J	0.1	U	0.27	
Benzo(ghi)perylene			ug/l	0.1	U	0.1	U	0.1	U
Fluorene	50	50	ug/l	0.1	U	0.1	U	1.2	
Phenanthrene	50	50	ug/l	0.03	J	0.1	U	1.3	
Dibenzo(a,h)anthracene			ug/l	0.1	U	0.1	U	0.1	U
Indeno(1,2,3-cd)pyrene	0.002	0.002	ug/l	0.1	U	0.1	U	0.1	U
Pyrene	50	50	ug/l	0.02	J	0.1	U	0.05	J
2-Methylnaphthalene			ug/l	0.1	U	0.1	U	0.1	U
Pentachlorophenol	1	2	ug/l	0.32	J	0.24	J	0.8	U
Hexachlorobenzene	0.04	0.04	ug/l	0.8	U	0.8	U	0.8	U
Hexachloroethane	5	5	ug/l	0.8	U	0.8	U	0.8	U

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations
Exceeds NY Groundwater Standards:

Table 5.10B
Semi-Volatile Organic Compounds in Groundwater
33 Centre Ave, New Rochelle, NY

Well ID	NY Groundwater Standards		Units	MW-5D		MW-8D		MW-9	
Sampling Date				12/20/2019		12/20/2019		12/20/2019	
Lab Sample ID	NY-AWQS	NY-TOGS-GA		L1961258-02		L1961258-03		L1961258-04	
				Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS									
1,2,4-Trichlorobenzene	5	5	ug/l	5	U	5	U	5	U
Bis(2-chloroethyl)ether	1	1	ug/l	2	U	2	U	2	U
1,2-Dichlorobenzene	3	3	ug/l	2	U	2	U	2	U
1,3-Dichlorobenzene	3	3	ug/l	2	U	2	U	2	U
1,4-Dichlorobenzene	3	3	ug/l	2	U	2	U	2	U
3,3'-Dichlorobenzidine	5	5	ug/l	5	U	5	U	5	U
2,4-Dinitrotoluene	5	5	ug/l	5	U	5	U	5	U
2,6-Dinitrotoluene	5	5	ug/l	5	U	5	U	5	U
4-Chlorophenyl phenyl ether			ug/l	2	U	2	U	2	U
4-Bromophenyl phenyl ether			ug/l	2	U	2	U	2	U
Bis(2-chloroisopropyl)ether	5	5	ug/l	2	U	2	U	2	U
Bis(2-chloroethoxy)methane	5	5	ug/l	5	U	5	U	5	U
Hexachlorocyclopentadiene	5	5	ug/l	20	U	20	U	20	U
Isophorone	50	50	ug/l	5	U	5	U	5	U
Nitrobenzene	0.4	0.4	ug/l	2	U	2	U	2	U
NDPA/DPA	50	50	ug/l	2	U	2	U	2	U
n-Nitrosodi-n-propylamine			ug/l	5	U	5	U	5	U
Bis(2-ethylhexyl)phthalate	5	5	ug/l	3	U	3	U	1.8	J
Butyl benzyl phthalate	50	50	ug/l	5	U	5	U	5	U
Di-n-butylphthalate	50	50	ug/l	5	U	5	U	5	U
Di-n-octylphthalate	50	50	ug/l	5	U	5	U	5	U
Diethyl phthalate	50	50	ug/l	5	U	5	U	0.54	J
Dimethyl phthalate	50	50	ug/l	5	U	5	U	5	U
Biphenyl			ug/l	1.9	J	2	U	2	U
4-Chloroaniline	5	5	ug/l	5	U	5	U	5	U
2-Nitroaniline	5	5	ug/l	5	U	5	U	5	U
3-Nitroaniline	5	5	ug/l	5	U	5	U	5	U
4-Nitroaniline	5	5	ug/l	5	U	5	U	5	U
Dibenzofuran			ug/l	0.7	J	2	U	2	U
1,2,4,5-Tetrachlorobenzene	5	5	ug/l	10	U	10	U	10	U
Acetophenone			ug/l	5	U	5	U	3.6	J
2,4,6-Trichlorophenol			ug/l	5	U	5	U	5	U
p-Chloro-m-cresol			ug/l	2	U	2	U	2	U
2-Chlorophenol			ug/l	2	U	2	U	2	U
2,4-Dichlorophenol	1	2	ug/l	5	U	5	U	5	U
2,4-Dimethylphenol	50	2	ug/l	5	U	5	U	5	U
2-Nitrophenol			ug/l	10	U	10	U	10	U
4-Nitrophenol			ug/l	10	U	10	U	10	U
2,4-Dinitrophenol	10	2	ug/l	20	U	20	U	20	U
4,6-Dinitro-o-cresol			ug/l	10	U	10	U	10	U
Phenol	1	2	ug/l	5	U	5	U	2.3	J
2-Methylphenol			ug/l	5	U	5	U	18	
3-Methylphenol/4-Methylphenol			ug/l	5	U	5	U	26	
2,4,5-Trichlorophenol			ug/l	5	U	5	U	5	U
Benzoic Acid			ug/l	50	U	10	J	42	J
Benzyl Alcohol			ug/l	2	U	1.3	J	36	
Carbazole			ug/l	2	U	2	U	1	J
Semivolatile Organics by GC/MS-SIM									
Acenaphthene	20	20	ug/l	0.45		0.1	U	0.25	
2-Chloronaphthalene	10	10	ug/l	0.2	U	0.2	U	0.2	U
Fluoranthene	50	50	ug/l	0.04	J	0.09	J	0.19	
Hexachlorobutadiene	0.5	0.5	ug/l	0.5	U	0.5	U	0.5	U
Naphthalene	10	10	ug/l	0.88		0.14		0.84	
Benzo(a)anthracene	0.002	0.002	ug/l	0.1	U	0.1	U	0.1	U
Benzo(a)pyrene	0	0	ug/l	0.1	U	0.1	U	0.1	U
Benzo(b)fluoranthene	0.002	0.002	ug/l	0.1	U	0.1	U	0.1	U
Benzo(k)fluoranthene	0.002	0.002	ug/l	0.1	U	0.1	U	0.1	U
Chrysene	0.002	0.002	ug/l	0.1	U	0.1	U	0.1	U
Acenaphthylene			ug/l	0.1	U	0.1	U	0.1	U
Anthracene	50	50	ug/l	0.28		0.1	U	0.11	
Benzo(ghi)perylene			ug/l	0.1	U	0.1	U	0.1	U
Fluorene	50	50	ug/l	0.72		0.03	J	0.1	
Phenanthrene	50	50	ug/l	1.4		0.22		0.55	
Dibenzo(a,h)anthracene			ug/l	0.1	U	0.1	U	0.1	U
Indeno(1,2,3-cd)pyrene	0.002	0.002	ug/l	0.1	U	0.1	U	0.1	U
Pyrene	50	50	ug/l	0.03	J	0.04	J	0.13	
2-Methylnaphthalene			ug/l	0.1	U	0.07	J	0.18	
Pentachlorophenol	1	2	ug/l	0.8	U	0.8	U	0.26	J
Hexachlorobenzene	0.04	0.04	ug/l	0.8	U	0.8	U	0.8	U
Hexachloroethane	5	5	ug/l	0.8	U	0.8	U	0.8	U

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations
Exceeds NY Groundwater Standards:

Table 5.10B
Semi-Volatile Organic Compounds in Groundwater
33 Centre Ave, New Rochelle, NY

Well ID	NY Groundwater Standards		Units	MW-10		DUP		FB	
Sampling Date				12/20/2019		12/20/2019		12/20/2019	
Lab Sample ID	NY-AWQS	NY-TOGS-GA		L1961258-05		L1961258-06		L1961258-07	
				Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS									
1,2,4-Trichlorobenzene	5	5	ug/l	5	U	5	U	5	U
Bis(2-chloroethyl)ether	1	1	ug/l	2	U	2	U	2	U
1,2-Dichlorobenzene	3	3	ug/l	2	U	2	U	2	U
1,3-Dichlorobenzene	3	3	ug/l	2	U	2	U	2	U
1,4-Dichlorobenzene	3	3	ug/l	2	U	2	U	2	U
3,3'-Dichlorobenzidine	5	5	ug/l	5	U	5	U	5	U
2,4-Dinitrotoluene	5	5	ug/l	5	U	5	U	5	U
2,6-Dinitrotoluene	5	5	ug/l	5	U	5	U	5	U
4-Chlorophenyl phenyl ether			ug/l	2	U	2	U	2	U
4-Bromophenyl phenyl ether			ug/l	2	U	2	U	2	U
Bis(2-chloroisopropyl)ether	5	5	ug/l	2	U	2	U	2	U
Bis(2-chloroethoxy)methane	5	5	ug/l	5	U	5	U	5	U
Hexachlorocyclopentadiene	5	5	ug/l	20	U	20	U	20	U
Isophorone	50	50	ug/l	5	U	5	U	5	U
Nitrobenzene	0.4	0.4	ug/l	2	U	2	U	2	U
NDPA/DPA	50	50	ug/l	2	U	2	U	2	U
n-Nitrosodi-n-propylamine			ug/l	5	U	5	U	5	U
Bis(2-ethylhexyl)phthalate	5	5	ug/l	3	U	3	U	3	U
Butyl benzyl phthalate	50	50	ug/l	5	U	5	U	5	U
Di-n-butylphthalate	50	50	ug/l	5	U	5	U	5	U
Di-n-octylphthalate	50	50	ug/l	5	U	5	U	5	U
Diethyl phthalate	50	50	ug/l	5	U	5	U	5	U
Dimethyl phthalate	50	50	ug/l	5	U	5	U	5	U
Biphenyl			ug/l	2	U	2.7		2	U
4-Chloroaniline	5	5	ug/l	5	U	5	U	5	U
2-Nitroaniline	5	5	ug/l	5	U	5	U	5	U
3-Nitroaniline	5	5	ug/l	5	U	5	U	5	U
4-Nitroaniline	5	5	ug/l	5	U	5	U	5	U
Dibenzofuran			ug/l	2	U	0.89	J	2	U
1,2,4,5-Tetrachlorobenzene	5	5	ug/l	10	U	10	U	10	U
Acetophenone			ug/l	5	U	5	U	5	U
2,4,6-Trichlorophenol			ug/l	5	U	5	U	5	U
p-Chloro-m-cresol			ug/l	2	U	2	U	2	U
2-Chlorophenol			ug/l	2	U	2	U	2	U
2,4-Dichlorophenol	1	2	ug/l	5	U	5	U	5	U
2,4-Dimethylphenol	50	2	ug/l	5	U	5	U	5	U
2-Nitrophenol			ug/l	10	U	10	U	10	U
4-Nitrophenol			ug/l	10	U	10	U	10	U
2,4-Dinitrophenol	10	2	ug/l	20	U	20	U	20	U
4,6-Dinitro-o-cresol			ug/l	10	U	10	U	10	U
Phenol	1	2	ug/l	5	U	5	U	5	U
2-Methylphenol			ug/l	5	U	5	U	5	U
3-Methylphenol/4-Methylphenol			ug/l	5	U	5	U	5	U
2,4,5-Trichlorophenol			ug/l	5	U	5	U	5	U
Benzoic Acid			ug/l	50	U	50	U	50	U
Benzyl Alcohol			ug/l	2	U	2	U	2	U
Carbazole			ug/l	2	U	0.53	J	2	U
Semivolatile Organics by GC/MS-SIM									
Acenaphthene	20	20	ug/l	0.1	U	0.68		0.1	U
2-Chloronaphthalene	10	10	ug/l	0.2	U	0.2	U	0.2	U
Fluoranthene	50	50	ug/l	0.11		0.05	J	0.1	U
Hexachlorobutadiene	0.5	0.5	ug/l	0.5	U	0.5	U	0.5	U
Naphthalene	10	10	ug/l	0.1	J	1.1		0.1	U
Benzo(a)anthracene	0.002	0.002	ug/l	0.1	U	0.1	U	0.1	U
Benzo(a)pyrene	0	0	ug/l	0.1	U	0.1	U	0.1	U
Benzo(b)fluoranthene	0.002	0.002	ug/l	0.02	J	0.1	U	0.1	U
Benzo(k)fluoranthene	0.002	0.002	ug/l	0.01	J	0.1	U	0.1	U
Chrysene	0.002	0.002	ug/l	0.02	J	0.1	U	0.1	U
Acenaphthylene			ug/l	0.1	U	0.1	U	0.1	U
Anthracene	50	50	ug/l	0.1	U	0.33		0.1	U
Benzo(ghi)perylene			ug/l	0.1	U	0.1	U	0.1	U
Fluorene	50	50	ug/l	0.02	J	1.3		0.1	U
Phenanthrene	50	50	ug/l	0.36		1.3		0.1	U
Dibenzo(a,h)anthracene			ug/l	0.1	U	0.1	U	0.1	U
Indeno(1,2,3-cd)pyrene	0.002	0.002	ug/l	0.1	U	0.1	U	0.1	U
Pyrene	50	50	ug/l	0.07	J	0.05	J	0.1	U
2-Methylnaphthalene			ug/l	0.06	J	0.1	U	0.1	U
Pentachlorophenol	1	2	ug/l	0.8	U	0.8	U	0.8	U
Hexachlorobenzene	0.04	0.04	ug/l	0.8	U	0.8	U	0.8	U
Hexachloroethane	5	5	ug/l	0.8	U	0.8	U	0.8	U

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations
Exceeds NY Groundwater Standards:

Table 5.10C
Total Metals in Groundwater
33 Centre Ave, New Rochelle, NY

Well ID	NY Groundwater Standards		Units	MW-1		MW-2		MW-3		MW-7D	
Sampling Date	NY-AWQS	NY-TOGS-GA		12/19/2019		12/19/2019		12/19/2019		12/19/2019	
Lab Sample ID				L1961055-01		L1961055-02		L1961055-03		L1961055-04	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals											
Aluminum, Total		2000	ug/l	27.6		20.2		427		136	
Antimony, Total	3	6	ug/l	0.49	J	4	U	0.72	J	4	U
Arsenic, Total	25	50	ug/l	0.38	J	0.21	J	0.76		1.26	
Barium, Total	1000	2000	ug/l	56.94		56.53		66.28		60.49	
Beryllium, Total	3	3	ug/l	0.5	U	0.5	U	0.5	U	0.5	U
Cadmium, Total	5	10	ug/l	0.2	U	0.2	U	0.2	U	0.09	J
Calcium, Total			ug/l	69400		262000		41200		33200	
Chromium, Total	50	100	ug/l	1.13		11.79		22.83		5.3	
Cobalt, Total			ug/l	0.18	J	1.82		0.61		4.53	
Copper, Total	200	1000	ug/l	3.32		9.96		7.98		4.38	
Iron, Total	300	600	ug/l	188		1300		734		91.8	
Lead, Total	25	50	ug/l	1	U	7.3		3.82		1	U
Magnesium, Total	35000	35000	ug/l	39400		289000		63800		7610	
Manganese, Total	300	600	ug/l	217.1		5431		806.9		357	
Mercury, Total	0.7	1.4	ug/l	0.2	U	0.2	U	0.2	U	0.2	U
Nickel, Total	100	200	ug/l	2.81		7.77		4.71		212.2	
Potassium, Total			ug/l	11000		20900		13900		11000	
Selenium, Total	10	20	ug/l	2.62	J	2.32	J	2.33	J	5	U
Silver, Total	50	100	ug/l	0.4	U	0.4	U	0.4	U	0.4	U
Sodium, Total	20000		ug/l	218000		882000		459000		314000	
Thallium, Total	0.5	0.5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U
Vanadium, Total			ug/l	5	U	5	U	2.07	J	5.72	
Zinc, Total	2000	5000	ug/l	10	U	10	U	32.29		10	U

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations
Exceeds NY Groundwater Standards:

Table 5.10C
Total Metals in Groundwater
33 Centre Ave, New Rochelle, NY

Well ID	NY Groundwater Standards		Units	FB		MW-5S		MW-5D		MW-8D	
Sampling Date	NY-AWQS	NY-TOGS-GA		12/19/2019		12/20/2019		12/20/2019		12/20/2019	
Lab Sample ID				L1961055-05		L1961258-01		L1961258-02		L1961258-03	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals											
Aluminum, Total		2000	ug/l	10	U	38.5		13.3		78	
Antimony, Total	3	6	ug/l	4	U	0.93	J	4	U	4	U
Arsenic, Total	25	50	ug/l	0.5	U	0.41	J	0.64		2.72	
Barium, Total	1000	2000	ug/l	0.68		101.8		79.87		229.2	
Beryllium, Total	3	3	ug/l	0.5	U	0.5	U	0.5	U	0.5	U
Cadmium, Total	5	10	ug/l	0.2	U	0.46		0.37		0.15	J
Calcium, Total			ug/l	56.1	J	135000		86200		309000	
Chromium, Total	50	100	ug/l	0.19	J	70.16		48.08		0.77	J
Cobalt, Total			ug/l	0.5	U	26.62		27.03		6.92	
Copper, Total	200	1000	ug/l	1.81		161.4		87.43		5.59	
Iron, Total	300	600	ug/l	50	U	6810		10000		27100	
Lead, Total	25	50	ug/l	1	U	0.43	J	1	U	0.48	J
Magnesium, Total	35000	35000	ug/l	70	U	25500		26700		27400	
Manganese, Total	300	600	ug/l	2	U	4127		4520		3041	
Mercury, Total	0.7	1.4	ug/l	0.2	U	0.34		0.31		0.2	U
Nickel, Total	100	200	ug/l	2	U	12970		4426		400.8	
Potassium, Total			ug/l	100	U	36600		14100		149000	
Selenium, Total	10	20	ug/l	5	U	3.09	J	5	U	5	U
Silver, Total	50	100	ug/l	0.4	U	0.4	U	0.4	U	0.4	U
Sodium, Total	20000		ug/l	339		363000		356000		225000	
Thallium, Total	0.5	0.5	ug/l	0.5	U	0.33	J	1	U	1	U
Vanadium, Total			ug/l	5	U	5	U	5	U	5	U
Zinc, Total	2000	5000	ug/l	10	U	47.21		44.3		9.25	J

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations
Exceeds NY Groundwater Standards:

Table 5.10C
Total Metals in Groundwater
33 Centre Ave, New Rochelle, NY

Well ID	NY Groundwater Standards		Units	MW-9		MW-10		DUP		FB	
Sampling Date	NY-AWQS	NY-TOGS-GA		12/20/2019		12/20/2019		12/20/2019		12/20/2019	
Lab Sample ID				L1961258-04		L1961258-05		L1961258-06		L1961258-07	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals											
Aluminum, Total		2000	ug/l	35.5		41.3		26		204	
Antimony, Total	3	6	ug/l	4	U	4	U	0.49	J	4	U
Arsenic, Total	25	50	ug/l	1.43		0.2	J	0.52		0.5	U
Barium, Total	1000	2000	ug/l	103.6		32.08		100.2		3.2	
Beryllium, Total	3	3	ug/l	0.5	U	0.5	U	0.5	U	0.5	U
Cadmium, Total	5	10	ug/l	0.2	U	0.1	J	0.48		0.2	U
Calcium, Total			ug/l	109000		27100		137000		1900	
Chromium, Total	50	100	ug/l	42.94		7937		78.38		0.97	J
Cobalt, Total			ug/l	4.28		13.28		27.97		0.5	U
Copper, Total	200	1000	ug/l	7.47		8.19		159.8		0.52	J
Iron, Total	300	600	ug/l	309		115		8390		215	
Lead, Total	25	50	ug/l	1	U	1	U	0.37	J	1	U
Magnesium, Total	35000	35000	ug/l	45700		10300		26600		29.2	J
Manganese, Total	300	600	ug/l	594.7		527.3		4447		0.92	J
Mercury, Total	0.7	1.4	ug/l	0.2	U	0.2	U	0.31		0.2	U
Nickel, Total	100	200	ug/l	28.21		398.1		14190		2	U
Potassium, Total			ug/l	157000		5970		34900		52.4	J
Selenium, Total	10	20	ug/l	5	U	5	U	3.26	J	5	U
Silver, Total	50	100	ug/l	0.4	U	0.4	U	0.4	U	0.4	U
Sodium, Total	20000		ug/l	187000		181000		363000		3230	
Thallium, Total	0.5	0.5	ug/l	0.19	J	1	U	1	U	1	U
Vanadium, Total			ug/l	5	U	5	U	5	U	5	U
Zinc, Total	2000	5000	ug/l	10	U	8.42	J	38.83		10	U

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations
Exceeds NY Groundwater Standards:

Table 5.10D
Volatile Organic Compounds in Groundwater
33 Centre Ave, New Rochelle, NY

Well ID	NY Groundwater Standards		Units	MW-1		MW-2		MW-3	
Sampling Date				12/19/2019		12/19/2019		12/19/2019	
Lab Sample ID	NY-AWQS	NY-TOGS-GA		L1961055-01		L1961055-02		L1961055-03	
				Results	Qual	Results	Qual	Results	Qual
Volatile Organics by GC/MS									
Methylene chloride	5	5	ug/l	2.5	U	2.5	U	2.5	U
1,1-Dichloroethane	5	5	ug/l	2.5	U	2.5	U	2.5	U
Chloroform	7	7	ug/l	2.5	U	2.5	U	2.5	U
Carbon tetrachloride	5	5	ug/l	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	1	1	ug/l	1	U	1	U	1	U
Dibromochloromethane	50	50	ug/l	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	1	ug/l	1.5	U	1.5	U	1.5	U
Tetrachloroethene	5	5	ug/l	0.47	J	0.5	U	0.5	U
Chlorobenzene	5	5	ug/l	2.5	U	2.5	U	2.5	U
Trichlorofluoromethane	5	5	ug/l	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.6	ug/l	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	5	5	ug/l	2.5	U	2.2	J	2.1	J
Bromodichloromethane	50	50	ug/l	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.4	0.4	ug/l	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.4	0.4	ug/l	0.5	U	0.5	U	0.5	U
1,3-Dichloropropene, Total			ug/l	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	5	5	ug/l	2.5	U	2.5	U	2.5	U
Bromoform	50	50	ug/l	2	U	2	U	2	U
1,1,2,2-Tetrachloroethane	5	5	ug/l	0.5	U	0.5	U	0.5	U
Benzene	1	1	ug/l	0.5	U	0.5	U	0.5	U
Toluene	5	5	ug/l	2.5	U	2.5	U	2.5	U
Ethylbenzene	5	5	ug/l	2.5	U	2.5	U	2.5	U
Chloromethane			ug/l	2.5	U	2.5	U	2.5	U
Bromomethane	5	5	ug/l	2.5	U	2.5	U	2.5	U
Vinyl chloride	2	2	ug/l	1	U	1	U	1	U
Chloroethane	5	5	ug/l	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	5	ug/l	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	5	5	ug/l	2.5	U	2.5	U	2.5	U
Trichloroethene	5	5	ug/l	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	3	3	ug/l	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	3	ug/l	2.5	U	2.5	U	2.5	U
1,4-Dichlorobenzene	3	3	ug/l	2.5	U	2.5	U	2.5	U
Methyl tert butyl ether	10	10	ug/l	2.5	U	2.5	U	2.5	U
p/m-Xylene	5	5	ug/l	2.5	U	2.5	U	2.5	U
o-Xylene	5	5	ug/l	2.5	U	2.5	U	2.5	U
Xylenes, Total			ug/l	2.5	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	5	5	ug/l	2.5	U	2.5	U	2.5	U
1,2-Dichloroethene, Total			ug/l	2.5	U	2.5	U	2.5	U
Dibromomethane	5	5	ug/l	5	U	5	U	5	U
1,2,3-Trichloropropane	0.04	0.04	ug/l	2.5	U	2.5	U	2.5	U
Acrylonitrile	5	5	ug/l	5	U	5	U	5	U
Styrene	5	930	ug/l	2.5	U	2.5	U	2.5	U
Dichlorodifluoromethane	5	5	ug/l	5	U	5	U	5	U
Acetone	50	50	ug/l	5	U	5	U	5	U
Carbon disulfide	60	60	ug/l	5	U	5	U	5	U
2-Butanone	50	50	ug/l	5	U	5	U	5	U
Vinyl acetate			ug/l	5	U	5	U	5	U
4-Methyl-2-pentanone			ug/l	5	U	5	U	5	U
2-Hexanone	50	50	ug/l	5	U	5	U	5	U
Bromochloromethane	5	5	ug/l	2.5	U	2.5	U	2.5	U
2,2-Dichloropropane	5	5	ug/l	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	0.0006	ug/l	2	U	2	U	2	U
1,3-Dichloropropane	5	5	ug/l	2.5	U	2.5	U	2.5	U
1,1,1,2-Tetrachloroethane	5	5	ug/l	2.5	U	2.5	U	2.5	U
Bromobenzene	5	5	ug/l	2.5	U	2.5	U	2.5	U
n-Butylbenzene	5	5	ug/l	2.5	U	2.5	U	2.5	U
sec-Butylbenzene	5	5	ug/l	2.5	U	2.5	U	2.5	U
tert-Butylbenzene	5	5	ug/l	2.5	U	2.5	U	2.5	U
o-Chlorotoluene	5	5	ug/l	2.5	U	2.5	U	2.5	U
p-Chlorotoluene	5	5	ug/l	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	0.04	ug/l	2.5	U	2.5	U	2.5	U
Hexachlorobutadiene	0.5	0.5	ug/l	2.5	U	2.5	U	2.5	U
Isopropylbenzene	5	5	ug/l	2.5	U	2.5	U	2.5	U
p-Isopropyltoluene	5	5	ug/l	2.5	U	2.5	U	2.5	U
Naphthalene	10	10	ug/l	2.5	U	2.5	U	2.5	U
n-Propylbenzene	5	5	ug/l	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	5	ug/l	2.5	U	2.5	U	2.5	U
1,2,4-Trichlorobenzene	5	5	ug/l	2.5	U	2.5	U	2.5	U
1,3,5-Trimethylbenzene	5	5	ug/l	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	5	ug/l	2.5	U	2.5	U	2.5	U
1,4-Dioxane			ug/l	250	U	250	U	250	U
p-Diethylbenzene			ug/l	2	U	2	U	2	U
p-Ethyltoluene			ug/l	2	U	2	U	2	U
1,2,4,5-Tetramethylbenzene	5	5	ug/l	2	U	2	U	2	U
Ethyl ether			ug/l	2.5	U	2.5	U	2.5	U
trans-1,4-Dichloro-2-butene	5	5	ug/l	2.5	U	2.5	U	2.5	U

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations
Exceeds NY Groundwater Standards:

Table 5.10D
Volatile Organic Compounds in Groundwater
33 Centre Ave, New Rochelle, NY

Well ID	NY Groundwater Standards		Units	MW-7D		FB		MW-5S	
Sampling Date	NY-AWQS	NY-TOGS-GA		12/19/2019		12/19/2019		12/20/2019	
Lab Sample ID				L1961055-04		L1961055-05		L1961258-01	
				Results	Qual	Results	Qual	Results	Qual
Volatile Organics by GC/MS									
Methylene chloride	5	5	ug/l	12	U	2.5	U	5	U
1,1-Dichloroethane	5	5	ug/l	4.6	J	2.5	U	11	
Chloroform	7	7	ug/l	12	U	2.5	U	5	U
Carbon tetrachloride	5	5	ug/l	2.5	U	0.5	U	1	U
1,2-Dichloropropane	1	1	ug/l	5	U	1	U	2	U
Dibromochloromethane	50	50	ug/l	2.5	U	0.5	U	1	U
1,1,2-Trichloroethane	1	1	ug/l	7.5	U	1.5	U	3	U
Tetrachloroethene	5	5	ug/l	1.8	J	0.5	U	3.3	
Chlorobenzene	5	5	ug/l	12	U	2.5	U	5	U
Trichlorofluoromethane	5	5	ug/l	12	U	2.5	U	5	U
1,2-Dichloroethane	0.6	0.6	ug/l	2.5	U	0.5	U	1	U
1,1,1-Trichloroethane	5	5	ug/l	510		2.5	U	27	
Bromodichloromethane	50	50	ug/l	2.5	U	0.5	U	1	U
trans-1,3-Dichloropropene	0.4	0.4	ug/l	2.5	U	0.5	U	1	U
cis-1,3-Dichloropropene	0.4	0.4	ug/l	2.5	U	0.5	U	1	U
1,3-Dichloropropene, Total			ug/l	2.5	U	0.5	U	1	U
1,1-Dichloropropene	5	5	ug/l	12	U	2.5	U	5	U
Bromoform	50	50	ug/l	10	U	2	U	4	U
1,1,2,2-Tetrachloroethane	5	5	ug/l	2.5	U	0.5	U	1	U
Benzene	1	1	ug/l	2.5	U	0.5	U	1	U
Toluene	5	5	ug/l	7.3	J	2.5	U	5	U
Ethylbenzene	5	5	ug/l	12	U	2.5	U	5	U
Chloromethane			ug/l	12	U	2.5	U	5	U
Bromomethane	5	5	ug/l	12	U	2.5	U	5	U
Vinyl chloride	2	2	ug/l	5	U	1	U	17	
Chloroethane	5	5	ug/l	12	U	2.5	U	5	U
1,1-Dichloroethene	5	5	ug/l	30		0.5	U	2.8	
trans-1,2-Dichloroethene	5	5	ug/l	12	U	2.5	U	35	
Trichloroethene	5	5	ug/l	410		0.5	U	270	
1,2-Dichlorobenzene	3	3	ug/l	12	U	2.5	U	5	U
1,3-Dichlorobenzene	3	3	ug/l	12	U	2.5	U	5	U
1,4-Dichlorobenzene	3	3	ug/l	12	U	2.5	U	5	U
Methyl tert butyl ether	10	10	ug/l	12	U	2.5	U	5	U
p/m-Xylene	5	5	ug/l	12	U	2.5	U	5	U
o-Xylene	5	5	ug/l	12	U	2.5	U	5	U
Xylenes, Total			ug/l	12	U	2.5	U	5	U
cis-1,2-Dichloroethene	5	5	ug/l	12	U	2.5	U	32	
1,2-Dichloroethene, Total			ug/l	12	U	2.5	U	67	
Dibromomethane	5	5	ug/l	25	U	5	U	10	U
1,2,3-Trichloropropane	0.04	0.04	ug/l	12	U	2.5	U	5	U
Acrylonitrile	5	5	ug/l	25	U	5	U	10	U
Styrene	5	930	ug/l	12	U	2.5	U	5	U
Dichlorodifluoromethane	5	5	ug/l	25	U	5	U	10	U
Acetone	50	50	ug/l	25	U	5	U	4	J
Carbon disulfide	60	60	ug/l	25	U	5	U	10	U
2-Butanone	50	50	ug/l	25	U	5	U	10	U
Vinyl acetate			ug/l	25	U	5	U	10	U
4-Methyl-2-pentanone			ug/l	25	U	5	U	10	U
2-Hexanone	50	50	ug/l	25	U	5	U	10	U
Bromochloromethane	5	5	ug/l	12	U	2.5	U	5	U
2,2-Dichloropropane	5	5	ug/l	12	U	2.5	U	5	U
1,2-Dibromoethane	0.0006	0.0006	ug/l	10	U	2	U	4	U
1,3-Dichloropropane	5	5	ug/l	12	U	2.5	U	5	U
1,1,1,2-Tetrachloroethane	5	5	ug/l	12	U	2.5	U	5	U
Bromobenzene	5	5	ug/l	12	U	2.5	U	5	U
n-Butylbenzene	5	5	ug/l	12	U	2.5	U	5	U
sec-Butylbenzene	5	5	ug/l	12	U	2.5	U	5	U
tert-Butylbenzene	5	5	ug/l	12	U	2.5	U	5	U
o-Chlorotoluene	5	5	ug/l	12	U	2.5	U	5	U
p-Chlorotoluene	5	5	ug/l	12	U	2.5	U	5	U
1,2-Dibromo-3-chloropropane	0.04	0.04	ug/l	12	U	2.5	U	5	U
Hexachlorobutadiene	0.5	0.5	ug/l	12	U	2.5	U	5	U
Isopropylbenzene	5	5	ug/l	12	U	2.5	U	5	U
p-Isopropyltoluene	5	5	ug/l	12	U	2.5	U	5	U
Naphthalene	10	10	ug/l	12	U	2.5	U	5	U
n-Propylbenzene	5	5	ug/l	12	U	2.5	U	5	U
1,2,3-Trichlorobenzene	5	5	ug/l	12	U	2.5	U	5	U
1,2,4-Trichlorobenzene	5	5	ug/l	12	U	2.5	U	5	U
1,3,5-Trimethylbenzene	5	5	ug/l	12	U	2.5	U	5	U
1,2,4-Trimethylbenzene	5	5	ug/l	12	U	2.5	U	5	U
1,4-Dioxane			ug/l	1200	U	250	U	500	U
p-Diethylbenzene			ug/l	10	U	2	U	4	U
p-Ethyltoluene			ug/l	10	U	2	U	4	U
1,2,4,5-Tetramethylbenzene	5	5	ug/l	10	U	2	U	4	U
Ethyl ether			ug/l	12	U	2.5	U	5	U
trans-1,4-Dichloro-2-butene	5	5	ug/l	12	U	2.5	U	5	U

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations
Exceeds NY Groundwater Standards:

Table 5.10D
Volatile Organic Compounds in Groundwater
33 Centre Ave, New Rochelle, NY

Well ID	NY Groundwater Standards		Units	MW-5D		MW-8D		MW-9	
Sampling Date	NY-AWQS	NY-TOGS-GA		12/20/2019		12/20/2019		12/20/2019	
Lab Sample ID				L1961258-02		L1961258-03		L1961258-04	
				Results	Qual	Results	Qual	Results	Qual
Volatile Organics by GC/MS									
Methylene chloride	5	5	ug/l	5	U	620	U	25000	U
1,1-Dichloroethane	5	5	ug/l	13		3300		25000	U
Chloroform	7	7	ug/l	5	U	620	U	25000	U
Carbon tetrachloride	5	5	ug/l	1	U	120	U	5000	U
1,2-Dichloropropane	1	1	ug/l	2	U	250	U	10000	U
Dibromochloromethane	50	50	ug/l	1	U	120	U	5000	U
1,1,2-Trichloroethane	1	1	ug/l	3	U	380	U	15000	U
Tetrachloroethene	5	5	ug/l	2.6		120	U	5000	U
Chlorobenzene	5	5	ug/l	5	U	620	U	25000	U
Trichlorofluoromethane	5	5	ug/l	5	U	620	U	25000	U
1,2-Dichloroethane	0.6	0.6	ug/l	0.28	J	40	J	5000	U
1,1,1-Trichloroethane	5	5	ug/l	18		23000		1000000	
Bromodichloromethane	50	50	ug/l	1	U	120	U	5000	U
trans-1,3-Dichloropropene	0.4	0.4	ug/l	1	U	120	U	5000	U
cis-1,3-Dichloropropene	0.4	0.4	ug/l	1	U	120	U	5000	U
1,3-Dichloropropene, Total			ug/l	1	U	120	U	5000	U
1,1-Dichloropropene	5	5	ug/l	5	U	620	U	25000	U
Bromoform	50	50	ug/l	4	U	500	U	20000	U
1,1,2,2-Tetrachloroethane	5	5	ug/l	1	U	120	U	5000	U
Benzene	1	1	ug/l	1	U	120	U	5000	U
Toluene	5	5	ug/l	5	U	280	J	7200	J
Ethylbenzene	5	5	ug/l	5	U	620	U	25000	U
Chloromethane			ug/l	5	U	620	U	25000	U
Bromomethane	5	5	ug/l	5	U	620	U	25000	U
Vinyl chloride	2	2	ug/l	17		250	U	10000	U
Chloroethane	5	5	ug/l	5	U	620	U	25000	U
1,1-Dichloroethene	5	5	ug/l	3.1		2800		28000	
trans-1,2-Dichloroethene	5	5	ug/l	20		620	U	25000	U
Trichloroethene	5	5	ug/l	180		1400		3400	J
1,2-Dichlorobenzene	3	3	ug/l	5	U	620	U	25000	U
1,3-Dichlorobenzene	3	3	ug/l	5	U	620	U	25000	U
1,4-Dichlorobenzene	3	3	ug/l	5	U	620	U	25000	U
Methyl tert butyl ether	10	10	ug/l	5	U	620	U	25000	U
p/m-Xylene	5	5	ug/l	5	U	620	U	25000	U
o-Xylene	5	5	ug/l	5	U	620	U	25000	U
Xylenes, Total			ug/l	5	U	620	U	25000	U
cis-1,2-Dichloroethene	5	5	ug/l	26		620	U	25000	U
1,2-Dichloroethene, Total			ug/l	46		620	U	25000	U
Dibromomethane	5	5	ug/l	10	U	1200	U	50000	U
1,2,3-Trichloropropane	0.04	0.04	ug/l	5	U	620	U	25000	U
Acrylonitrile	5	5	ug/l	10	U	1200	U	50000	U
Styrene	5	930	ug/l	5	U	620	U	25000	U
Dichlorodifluoromethane	5	5	ug/l	10	U	1200	U	50000	U
Acetone	50	50	ug/l	10	U	1200	U	50000	U
Carbon disulfide	60	60	ug/l	10	U	1200	U	50000	U
2-Butanone	50	50	ug/l	10	U	1200	U	50000	U
Vinyl acetate			ug/l	10	U	1200	U	50000	U
4-Methyl-2-pentanone			ug/l	10	U	1200	U	50000	U
2-Hexanone	50	50	ug/l	10	U	1200	U	50000	U
Bromochloromethane	5	5	ug/l	5	U	620	U	25000	U
2,2-Dichloropropane	5	5	ug/l	5	U	620	U	25000	U
1,2-Dibromoethane	0.0006	0.0006	ug/l	4	U	500	U	20000	U
1,3-Dichloropropane	5	5	ug/l	5	U	620	U	25000	U
1,1,1,2-Tetrachloroethane	5	5	ug/l	5	U	620	U	25000	U
Bromobenzene	5	5	ug/l	5	U	620	U	25000	U
n-Butylbenzene	5	5	ug/l	5	U	620	U	25000	U
sec-Butylbenzene	5	5	ug/l	5	U	620	U	25000	U
tert-Butylbenzene	5	5	ug/l	5	U	620	U	25000	U
o-Chlorotoluene	5	5	ug/l	5	U	620	U	25000	U
p-Chlorotoluene	5	5	ug/l	5	U	620	U	25000	U
1,2-Dibromo-3-chloropropane	0.04	0.04	ug/l	5	U	620	U	25000	U
Hexachlorobutadiene	0.5	0.5	ug/l	5	U	620	U	25000	U
Isopropylbenzene	5	5	ug/l	5	U	620	U	25000	U
p-Isopropyltoluene	5	5	ug/l	5	U	620	U	25000	U
Naphthalene	10	10	ug/l	5	U	620	U	25000	U
n-Propylbenzene	5	5	ug/l	5	U	620	U	25000	U
1,2,3-Trichlorobenzene	5	5	ug/l	5	U	620	U	25000	U
1,2,4-Trichlorobenzene	5	5	ug/l	5	U	620	U	25000	U
1,3,5-Trimethylbenzene	5	5	ug/l	5	U	620	U	25000	U
1,2,4-Trimethylbenzene	5	5	ug/l	5	U	620	U	25000	U
1,4-Dioxane			ug/l	500	U	62000	U	2500000	U
p-Diethylbenzene			ug/l	4	U	500	U	20000	U
p-Ethyltoluene			ug/l	4	U	500	U	20000	U
1,2,4,5-Tetramethylbenzene	5	5	ug/l	4	U	500	U	20000	U
Ethyl ether			ug/l	5	U	620	U	25000	U
trans-1,4-Dichloro-2-butene	5	5	ug/l	5	U	620	U	25000	U

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations
Exceeds NY Groundwater Standards:

Table 5.10D
Volatile Organic Compounds in Groundwater
33 Centre Ave, New Rochelle, NY

Well ID	NY Groundwater Standards		Units	MW-10		DUP		FB		TB	
Sampling Date	NY-AWQS	NY-TOGS-GA		12/20/2019		12/20/2019		12/20/2019		12/19/2019	
Lab Sample ID				L1961258-05		L1961258-06		L1961258-07		L1961055-06	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by GC/MS											
Methylene chloride	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
1,1-Dichloroethane	5	5	ug/l	40	J	11		2.5	U	2.5	U
Chloroform	7	7	ug/l	120	U	6.2	U	2.5	U	2.5	U
Carbon tetrachloride	5	5	ug/l	25	U	1.2	U	0.5	U	0.5	U
1,2-Dichloropropane	1	1	ug/l	50	U	2.5	U	1	U	1	U
Dibromochloromethane	50	50	ug/l	25	U	1.2	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	1	ug/l	75	U	3.8	U	1.5	U	1.5	U
Tetrachloroethene	5	5	ug/l	18	J	3.1		0.5	U	0.5	U
Chlorobenzene	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
Trichlorofluoromethane	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.6	ug/l	25	U	1.2	U	0.5	U	0.5	U
1,1,1-Trichloroethane	5	5	ug/l	5300		22		2.5	U	2.5	U
Bromodichloromethane	50	50	ug/l	25	U	1.2	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.4	0.4	ug/l	25	U	1.2	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.4	0.4	ug/l	25	U	1.2	U	0.5	U	0.5	U
1,3-Dichloropropene, Total			ug/l	25	U	1.2	U	0.5	U	0.5	U
1,1-Dichloropropene	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
Bromoform	50	50	ug/l	100	U	5	U	2	U	2	U
1,1,2,2-Tetrachloroethane	5	5	ug/l	25	U	1.2	U	0.5	U	0.5	U
Benzene	1	1	ug/l	25	U	1.2	U	0.5	U	0.5	U
Toluene	5	5	ug/l	68	J	6.2	U	2.5	U	2.5	U
Ethylbenzene	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
Chloromethane			ug/l	120	U	6.2	U	2.5	U	2.5	U
Bromomethane	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
Vinyl chloride	2	2	ug/l	50	U	17		1	U	1	U
Chloroethane	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
1,1-Dichloroethene	5	5	ug/l	950		3		0.5	U	0.5	U
trans-1,2-Dichloroethene	5	5	ug/l	120	U	29		2.5	U	2.5	U
Trichloroethene	5	5	ug/l	3700		240		0.5	U	0.5	U
1,2-Dichlorobenzene	3	3	ug/l	120	U	6.2	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	3	ug/l	120	U	6.2	U	2.5	U	2.5	U
1,4-Dichlorobenzene	3	3	ug/l	120	U	6.2	U	2.5	U	2.5	U
Methyl tert butyl ether	10	10	ug/l	120	U	6.2	U	2.5	U	2.5	U
p/m-Xylene	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
o-Xylene	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
Xylenes, Total			ug/l	120	U	6.2	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	5	5	ug/l	120	U	29		2.5	U	2.5	U
1,2-Dichloroethene, Total			ug/l	120	U	58		2.5	U	2.5	U
Dibromomethane	5	5	ug/l	250	U	12	U	5	U	5	U
1,2,3-Trichloropropane	0.04	0.04	ug/l	120	U	6.2	U	2.5	U	2.5	U
Acrylonitrile	5	5	ug/l	250	U	12	U	5	U	5	U
Styrene	5	930	ug/l	120	U	6.2	U	2.5	U	2.5	U
Dichlorodifluoromethane	5	5	ug/l	250	U	12	U	5	U	5	U
Acetone	50	50	ug/l	250	U	12	U	5	U	5	U
Carbon disulfide	60	60	ug/l	250	U	12	U	5	U	5	U
2-Butanone	50	50	ug/l	250	U	12	U	5	U	5	U
Vinyl acetate			ug/l	250	U	12	U	5	U	5	U
4-Methyl-2-pentanone			ug/l	250	U	12	U	5	U	5	U
2-Hexanone	50	50	ug/l	250	U	12	U	5	U	5	U
Bromochloromethane	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
2,2-Dichloropropane	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	0.0006	ug/l	100	U	5	U	2	U	2	U
1,3-Dichloropropane	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
1,1,1,2-Tetrachloroethane	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
Bromobenzene	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
n-Butylbenzene	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
sec-Butylbenzene	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
tert-Butylbenzene	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
o-Chlorotoluene	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
p-Chlorotoluene	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	0.04	ug/l	120	U	6.2	U	2.5	U	2.5	U
Hexachlorobutadiene	0.5	0.5	ug/l	120	U	6.2	U	2.5	U	2.5	U
Isopropylbenzene	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
p-Isopropyltoluene	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
Naphthalene	10	10	ug/l	120	U	6.2	U	2.5	U	2.5	U
n-Propylbenzene	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
1,2,4-Trichlorobenzene	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
1,3,5-Trimethylbenzene	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U
1,4-Dioxane			ug/l	12000	U	620	U	250	U	250	U
p-Diethylbenzene			ug/l	100	U	5	U	2	U	2	U
p-Ethyltoluene			ug/l	100	U	5	U	2	U	2	U
1,2,4,5-Tetramethylbenzene	5	5	ug/l	100	U	5	U	2	U	2	U
Ethyl ether			ug/l	120	U	6.2	U	2.5	U	2.5	U
trans-1,4-Dichloro-2-butene	5	5	ug/l	120	U	6.2	U	2.5	U	2.5	U

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations
Exceeds NY Groundwater Standards:

Table 5.10E
PFAS Compounds in Groundwater
33 Centre Avenue, New Rochelle, NY

Well ID				MW-1		MW-2		MW-3		MW-7D		FB		MW-5S	
Sampling Date				12/19/2019		12/19/2019		12/19/2019		12/19/2019		12/19/2019		12/20/2019	
Lab Sample ID				L1961055-01		L1961055-02		L1961055-03		L1961055-04		L1961055-05		L1961258-01	
Sample Type				WATER		WATER		WATER		WATER		WATER		WATER	
	CasNum	NYS PFAS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Perfluorinated Alkyl Acids by Isotope Dilution															
Perfluorobutanoic Acid (PFBA)	375-22-4	0.1	ug/l	0.0035		0.0233		0.00532		0.0431		0.00181	U	0.174	
Perfluoropentanoic Acid (PFPeA)	2706-90-3	0.1	ug/l	0.00414		0.0225		0.00535		0.0454		0.00181	U	0.129	
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	0.1	ug/l	0.00441		0.0442		0.0178		0.115		0.00181	U	0.502	
Perfluorohexanoic Acid (PFHxA)	307-24-4	0.1	ug/l	0.00417		0.0283		0.00482		0.0475		0.000373	J	0.148	
Perfluoroheptanoic Acid (PFHpA)	375-85-9	0.1	ug/l	0.00343		0.0259		0.00512		0.0485		0.00181	U	0.195	
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	0.1	ug/l	0.00905		0.0248		0.0149		0.0116		0.00181	U	0.0467	
Perfluorooctanoic Acid (PFOA)	335-67-1	0.01	ug/l	0.016		0.0966		0.025		0.252		0.00181	U	0.796	
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	0.1	ug/l	0.00184	U	0.00174	U	0.0089		0.00182	U	0.00181	U	0.00207	
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	0.1	ug/l	0.00132	J	0.00636		0.00986		0.0088		0.00181	U	0.0707	
Perfluorononanoic Acid (PFNA)	375-95-1	0.1	ug/l	0.00197		0.00399		0.0018		0.00352		0.00181	U	0.0041	
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.01	ug/l	0.0938		0.199		0.332		0.386		0.00181	U	2.27	E
Perfluorodecanoic Acid (PFDA)	335-76-2	0.1	ug/l	0.0028		0.00157	J	0.00204		0.00232		0.00181	U	0.00295	
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	0.1	ug/l	0.00184	U	0.00174	U	0.00179	U	0.00182	U	0.00181	U	0.00184	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOS	2355-31-9	0.1	ug/l	0.00184	U	0.00174	U	0.00179	U	0.00201		0.00181	U	0.00184	U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	0.1	ug/l	0.00128	J	0.00174	U	0.000878	J	0.00182	U	0.00181	U	0.000292	J
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	0.1	ug/l	0.00152	J	0.00174	U	0.00179	U	0.00182	U	0.00181	U	0.00184	U
Perfluorooctanesulfonamide (FOSA)	754-91-6	0.1	ug/l	0.00184	U	0.00174	U	0.00179	U	0.00261		0.00181	U	0.0498	
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSA	2991-50-6	0.1	ug/l	0.00184	U	0.00174	U	0.00179	U	0.00235		0.00181	U	0.0557	
Perfluorododecanoic Acid (PFDoA)	307-55-1	0.1	ug/l	0.00108	J	0.00174	U	0.00179	U	0.00182	U	0.00181	U	0.00184	U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	0.1	ug/l	0.00184	U	0.00174	U	0.00179	U	0.00182	U	0.00181	U	0.00184	U
Perfluorotetradecanoic Acid (PFTA)	376-06-7	0.1	ug/l	0.00184	U	0.00174	U	0.00179	U	0.000339	J	0.00181	U	0.00184	U
PFOA/PFOS, Total	null	0.5	ug/l	0.11		0.296		0.357		0.638		0.00181	U	4.45	-

J - Presumptive Evidence of a Compound
U - Not Detected at the reported detection limit for the sample
NYSDEC Guidelines for Sampling and Analysis of PFAS Groundwater Action Level Trigger (January 2020)
Highlight - Exceeds Action Level Trigger

Table 5.10E
PFAS Compounds in Groundwater
33 Centre Avenue, New Rochelle, NY

Well ID				MW-5S		MW-5D		MW-5D		MW-8D		MW-9		MW-9	
Sampling Date				12/20/2019		12/20/2019		12/20/2019		12/20/2019		12/20/2019		12/20/2019	
Lab Sample ID				L1961258-01 R1		L1961258-02		L1961258-02 R1		L1961258-03		L1961258-04		L1961258-04 R1	
Sample Type				WATER		WATER		WATER		WATER		WATER		WATER	
	CasNum	NYS PFAS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Perfluorinated Alkyl Acids by Isotope Dilution															
Perfluorobutanoic Acid (PFBA)	375-22-4	0.1	ug/l	-	-	0.163		-	-	0.0101		0.0283		-	-
Perfluoropentanoic Acid (PFPeA)	2706-90-3	0.1	ug/l	-	-	0.122		-	-	0.0123		0.0154		-	-
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	0.1	ug/l	-	-	0.468		-	-	0.0344		0.0884		-	-
Perfluorohexanoic Acid (PFHxA)	307-24-4	0.1	ug/l	-	-	0.138		-	-	0.0136		0.0157		-	-
Perfluoroheptanoic Acid (PFHpA)	375-85-9	0.1	ug/l	-	-	0.175		-	-	0.0134		0.0204		-	-
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	0.1	ug/l	-	-	0.0446		-	-	0.00866		0.02		-	-
Perfluorooctanoic Acid (PFOA)	335-67-1	0.01	ug/l	-	-	0.715		-	-	0.0717		0.113		-	-
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	0.1	ug/l	-	-	0.00193	U	-	-	0.00188	U	0.0018	U	-	-
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	0.1	ug/l	-	-	0.0791		-	-	0.00997		0.0322		-	-
Perfluorononanoic Acid (PFNA)	375-95-1	0.1	ug/l	-	-	0.00444		-	-	0.0028		0.00255		-	-
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.01	ug/l	2.7		2.8	E	3.14		0.493		1.36	E	1.5	
Perfluorodecanoic Acid (PFDA)	335-76-2	0.1	ug/l	-	-	0.00355		-	-	0.00155	J	0.00134	J	-	-
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	0.1	ug/l	-	-	0.00193	U	-	-	0.00188	U	0.0018	U	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOS	2355-31-9	0.1	ug/l	-	-	0.00193	U	-	-	0.00188	U	0.0018	U	-	-
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	0.1	ug/l	-	-	0.000444	J	-	-	0.00188	U	0.0018	U	-	-
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	0.1	ug/l	-	-	0.00193	U	-	-	0.00188	U	0.0018	U	-	-
Perfluorooctanesulfonamide (FOSA)	754-91-6	0.1	ug/l	-	-	0.0546		-	-	0.0023		0.000572	J	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSA	2991-50-6	0.1	ug/l	-	-	0.061		-	-	0.000928	J	0.0018	U	-	-
Perfluorododecanoic Acid (PFDoA)	307-55-1	0.1	ug/l	-	-	0.00193	U	-	-	0.00188	U	0.0018	U	-	-
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	0.1	ug/l	-	-	0.00193	U	-	-	0.00188	U	0.0018	U	-	-
Perfluorotetradecanoic Acid (PFTA)	376-06-7	0.1	ug/l	-	-	0.00193	U	-	-	0.00188	U	0.0018	U	-	-
PFOA/PFOS, Total	null	0.5	ug/l	-	-	4.83	-	-	-	0.565		1.47		-	-

J - Presumptive Evidence of a Compound
U - Not Detected at the reported detection limit for the sample
NYSDEC Guidelines for Sampling and Analysis of PFAS Groundwater Action Level Trigger (Janua
Highlight - Exceeds Action Level Trigger

Table 5.10E
PFAS Compounds in Groundwater
33 Centre Avenue, New Rochelle, NY

Well ID				MW-10		MW-10		DUP		DUP		FB	
Sampling Date				12/20/2019		12/20/2019		12/20/2019		12/20/2019		12/20/2019	
Lab Sample ID				L1961258-05		L1961258-05 R1		L1961258-06		L1961258-06 R1		L1961258-07	
Sample Type				WATER		WATER		WATER		WATER		WATER	
	CasNum	NYS PFAS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Perfluorinated Alkyl Acids by Isotope Dilution													
Perfluorobutanoic Acid (PFBA)	375-22-4	0.1	ug/l	0.00346		-	-	0.208		-	-	0.00185	U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	0.1	ug/l	0.00409		-	-	0.136		-	-	0.00185	U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	0.1	ug/l	0.635		-	-	0.551		-	-	0.00185	U
Perfluorohexanoic Acid (PFHxA)	307-24-4	0.1	ug/l	0.00494		-	-	0.156		-	-	0.000459	J
Perfluoroheptanoic Acid (PFHpA)	375-85-9	0.1	ug/l	0.00888		-	-	0.196		-	-	0.00185	U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	0.1	ug/l	0.0437		-	-	0.0496		-	-	0.000407	J
Perfluorooctanoic Acid (PFOA)	335-67-1	0.01	ug/l	0.0796		-	-	0.838		-	-	0.000967	J
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	0.1	ug/l	0.0094		-	-	0.0206		-	-	0.0565	
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	0.1	ug/l	0.0972		-	-	0.0741		-	-	0.00185	U
Perfluorononanoic Acid (PFNA)	375-95-1	0.1	ug/l	0.00204		-	-	0.00384		-	-	0.00185	U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.01	ug/l	3.83	E	4.31		2.43	E	2.58		0.00149	J
Perfluorodecanoic Acid (PFDA)	335-76-2	0.1	ug/l	0.00126	J	-	-	0.00284		-	-	0.00185	U
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	0.1	ug/l	0.00186	U	-	-	0.00184	U	-	-	0.00185	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOS	2355-31-9	0.1	ug/l	0.00186	U	-	-	0.00184	U	-	-	0.00185	U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	0.1	ug/l	0.00186	U	-	-	0.000266	J	-	-	0.00185	U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	0.1	ug/l	0.00186	U	-	-	0.00184	U	-	-	0.00185	U
Perfluorooctanesulfonamide (FOSA)	754-91-6	0.1	ug/l	0.0132		-	-	0.0505		-	-	0.00185	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSA	2991-50-6	0.1	ug/l	0.0134		-	-	0.0463		-	-	0.00185	U
Perfluorododecanoic Acid (PFDoA)	307-55-1	0.1	ug/l	0.00186	U	-	-	0.00184	U	-	-	0.00185	U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	0.1	ug/l	0.00186	U	-	-	0.00184	U	-	-	0.00185	U
Perfluorotetradecanoic Acid (PFTA)	376-06-7	0.1	ug/l	0.00186	U	-	-	0.00184	U	-	-	0.00185	U
PFOA/PFOS, Total	null	0.5	ug/l	4.75	-	-	-	4.76	-	-	-	0.00246	J

J - Presumptive Evidence of a Compound
U - Not Detected at the reported detection limit for the sample
NYSDEC Guidelines for Sampling and Analysis of PFAS Groundwater Action Level Trigger (Janua
Highlight - Exceeds Action Level Trigger

Table 5.11
Volatile Organics in Soil Vapor
33 Centre Ave, New Rochelle, NY

Sample Name		New York Soil Vapor Standards				SV-3		SV-4		SV-10		SV-7		SV-8	
Sampling Date	EPA-VISL-CTSSGC-5	NY-SSC-A	NY-SSC-B	NY-SSC-C	Units	12/11/2019		12/11/2019		12/11/2019		12/11/2019		12/11/2019	
Lab Sample ID						L1959634-01		L1959634-02		L1959634-03		L1959634-04		L1959634-05	
						Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics in Air															
Dichlorodifluoromethane	14600				ug/m3	2.24		2.2		2		2.08		2.14	
Chloromethane	13100				ug/m3	0.413	U	0.413	U	0.413	U	0.413	U	0.413	U
Freon-114					ug/m3	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U
Vinyl chloride	929			6	ug/m3	0.511	U	0.511	U	0.511	U	0.511	U	0.511	U
1,3-Butadiene	136				ug/m3	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U
Bromomethane	730				ug/m3	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U
Chloroethane	1460000				ug/m3	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U
Ethanol					ug/m3	9.42	U	9.42	U	28.8		18.4		24.1	
Vinyl bromide	128				ug/m3	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U
Acetone	4510000				ug/m3	16.2		5.18		16.2		14.4		20.3	
Trichlorofluoromethane					ug/m3	2.44		1.12		1.12	U	1.16		1.12	U
Isopropanol	29200				ug/m3	1.63		1.23	U	74.5		47.2		65.9	
1,1-Dichloroethene	29200	6			ug/m3	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U
Tertiary butyl Alcohol					ug/m3	1.52	U	1.52	U	6.4		4		6.12	
Methylene chloride	87600		100		ug/m3	1.74	U	1.74	U	1.74	U	1.74	U	1.74	U
3-Chloropropene	146				ug/m3	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U
Carbon disulfide	102000				ug/m3	1.81		0.623	U	0.623	U	0.623	U	0.623	U
Freon-113	730000				ug/m3	1.53	U	1.53	U	1.53	U	1.53	U	1.53	U
trans-1,2-Dichloroethene					ug/m3	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U
1,1-Dichloroethane	2560				ug/m3	6.07		0.809	U	0.809	U	0.809	U	0.809	U
Methyl tert butyl ether	15700				ug/m3	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U
2-Butanone	730000				ug/m3	1.68		1.47	U	1.65		1.47		1.87	
cis-1,2-Dichloroethene		6			ug/m3	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U
Ethyl Acetate	10200				ug/m3	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Chloroform	178				ug/m3	0.977	U	1.24		2.45		1.62		4.77	
Tetrahydrofuran	292000				ug/m3	1.47	U	1.47	U	1.47	U	1.47	U	1.47	U
1,2-Dichloroethane	157				ug/m3	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U
n-Hexane	102000				ug/m3	1.97		0.92		0.895		0.705	U	0.705	U
1,1,1-Trichloroethane	730000		100		ug/m3	3.93		1.09	U	1.09	U	1.09	U	1.09	U
Benzene	524				ug/m3	1.47		1.15		1.04		0.85		1.05	
Carbon tetrachloride	681	6			ug/m3	1.26	U	1.26	U	1.26	U	1.26	U	1.26	U
Cyclohexane	876000				ug/m3	0.688	U	0.688	U	1.23		0.768		0.974	
1,2-Dichloropropane	584				ug/m3	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U
Bromodichloromethane	110				ug/m3	1.34	U	1.34	U	1.34	U	1.34	U	1.34	U
1,4-Dioxane	818				ug/m3	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U
Trichloroethene	292	6			ug/m3	1.07	U	1.07	U	1.07	U	1.07	U	1.07	U
2,2,4-Trimethylpentane					ug/m3	0.934	U	0.934	U	1.29		0.934	U	1.15	
Heptane					ug/m3	1.14		0.82	U	1.62		1.08		1.36	
cis-1,3-Dichloropropene					ug/m3	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U
4-Methyl-2-pentanone	438000				ug/m3	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U
trans-1,3-Dichloropropene					ug/m3	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U
1,1,2-Trichloroethane	29.2				ug/m3	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U
Toluene	730000				ug/m3	3.58		1.7		4.6		3.51		3.96	
2-Hexanone	4380				ug/m3	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Dibromochloromethane					ug/m3	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U
1,2-Dibromoethane	6.81				ug/m3	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U
Tetrachloroethene	5840		100		ug/m3	1.36	U	1.36	U	1.36	U	1.36	U	1.36	U
Chlorobenzene	7300				ug/m3	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U
Ethylbenzene	1640				ug/m3	0.869	U	0.869	U	1.02		0.943		0.977	
p/m-Xylene	14600				ug/m3	1.75		1.74	U	3.57		3.42		3.4	
Bromoform	3720				ug/m3	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U
Styrene	146000				ug/m3	0.852	U	0.852	U	0.852	U	0.852	U	0.852	U
1,1,2,2-Tetrachloroethane	70.5				ug/m3	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U
o-Xylene	14600				ug/m3	0.869	U	0.869	U	1.45		1.42		1.37	
4-Ethyltoluene					ug/m3	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U
1,3,5-Trimethylbenzene	8760				ug/m3	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U
1,2,4-Trimethylbenzene	8760				ug/m3	0.983	U	0.983	U	1.26		1.39		1.31	
Benzyl chloride	83.4				ug/m3	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U
1,3-Dichlorobenzene					ug/m3	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
1,4-Dichlorobenzene	372				ug/m3	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
1,2-Dichlorobenzene	29200				ug/m3	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
1,2,4-Trichlorobenzene	292				ug/m3	1.48	U	1.48	U	1.48	U	1.48	U	1.48	U
Hexachlorobutadiene	186				ug/m3	2.13	U	2.13	U	2.13	U	2.13	U	2.13	U

U - Not detected at the reported detection limit for the sample.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
Exceeds NY Soil Vapor Standards:
NY-SSC-A: New York DOH Matrix A Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, updated May 2017.
NY-SSC-B: New York DOH Matrix B Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, updated May 2017.
NY-SSC-C: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, updated May 2017.
EPA-VISL-CTSSGC-5: EPA VISL Default Commercial Target Sub-Slab & Exterior Soil Gas Concentrations (TCR = 1E-05; THQ = 1) Criteria per VISL Calculator, Updated May 2019.

Table 5.11
Volatile Organics in Soil Vapor
33 Centre Ave, New Rochelle, NY

Sample Name		New York Soil Vapor Standards				SV-2		SV-9		SV-1		SV-5		SV-5		AA-1	
Sampling Date	EPA-VISL-CTSSGC-5	NY-SSC-A	NY-SSC-B	NY-SSC-C	Units	12/11/2019		12/11/2019		12/11/2019		12/11/2019		12/11/2019		12/11/2019	
Lab Sample ID						L1959634-06		L1959634-07		L1959634-08		L1959634-09		L1959634-09 R1		L1959634-10	
						Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics in Air																	
Dichlorodifluoromethane	14600				ug/m3	2.24		2.28		2.16		23.5	U	-	-	2.17	
Chloromethane	13100				ug/m3	0.413	U	0.427		0.413	U	9.83	U	-	-	0.867	
Freon-114					ug/m3	1.4	U	1.4	U	1.4	U	33.3	U	-	-	1.4	U
Vinyl chloride	929			6	ug/m3	0.511	U	0.511	U	0.511	U	12.2	U	-	-	0.511	U
1,3-Butadiene	136				ug/m3	0.927		0.442	U	3.45		10.5	U	-	-	0.442	U
Bromomethane	730				ug/m3	0.777	U	0.777	U	0.777	U	18.5	U	-	-	0.777	U
Chloroethane	1460000				ug/m3	0.528	U	0.528	U	0.528	U	12.6	U	-	-	0.528	U
Ethanol					ug/m3	11.9		14.5		18.6		224	U	-	-	9.42	U
Vinyl bromide	128				ug/m3	0.874	U	0.874	U	0.874	U	20.8	U	-	-	0.874	U
Acetone	4510000				ug/m3	30.2		22.7		78.6		65.1		-	-	5.15	
Trichlorofluoromethane					ug/m3	1.12	U	1.6		1.12	U	26.7	U	-	-	1.12	U
Isopropanol	29200				ug/m3	1.23	U	42		48.2		29.3	U	-	-	2.3	
1,1-Dichloroethene	29200	6			ug/m3	0.793	U	0.793	U	16		1110		-	-	0.793	U
Tertiary butyl Alcohol					ug/m3	1.52	U	4.03		1.52	U	36.1	U	-	-	1.52	U
Methylene chloride	87600		100		ug/m3	1.74	U	1.74	U	3.86		41.3	U	-	-	1.74	U
3-Chloropropene	146				ug/m3	0.626	U	0.626	U	0.626	U	14.9	U	-	-	0.626	U
Carbon disulfide	102000				ug/m3	8.44		9.62		9.75		31.5		-	-	0.623	U
Freon-113	730000				ug/m3	1.53	U	1.53	U	1.53	U	36.5	U	-	-	1.53	U
trans-1,2-Dichloroethene					ug/m3	0.793	U	0.793	U	0.793	U	18.9	U	-	-	0.793	U
1,1-Dichloroethane	2560				ug/m3	0.809	U	0.809	U	2.03		220		-	-	0.809	U
Methyl tert butyl ether	15700				ug/m3	0.721	U	0.721	U	0.721	U	17.2	U	-	-	0.721	U
2-Butanone	730000				ug/m3	1.88		1.9		2.84		35.1	U	-	-	1.47	U
cis-1,2-Dichloroethene		6			ug/m3	0.793	U	0.793	U	0.793	U	18.9	U	-	-	0.793	U
Ethyl Acetate	10200				ug/m3	1.8	U	1.8	U	1.8	U	42.9	U	-	-	1.8	U
Chloroform	178				ug/m3	0.977	U	1.51		2.41		170		-	-	0.977	U
Tetrahydrofuran	292000				ug/m3	1.47	U	1.47	U	1.47	U	35.1	U	-	-	1.47	U
1,2-Dichloroethane	157				ug/m3	0.809	U	0.809	U	0.809	U	19.3	U	-	-	0.809	U
n-Hexane	102000				ug/m3	2.28		1.64		11		16.8	U	-	-	0.705	U
1,1,1-Trichloroethane	730000		100		ug/m3	17.4		2.36		81.8		13700	E	15100		1.09	U
Benzene	524				ug/m3	2.35		1.08		2.19		15.2	U	-	-	0.792	
Carbon tetrachloride	681	6			ug/m3	1.26	U	1.26	U	1.26	U	29.9	U	-	-	1.26	U
Cyclohexane	876000				ug/m3	0.902		0.957		12.2		16.4	U	-	-	0.688	U
1,2-Dichloropropane	584				ug/m3	0.924	U	0.924	U	0.924	U	22	U	-	-	0.924	U
Bromodichloromethane	110				ug/m3	1.34	U	1.34	U	1.34	U	31.9	U	-	-	1.34	U
1,4-Dioxane	818				ug/m3	0.721	U	0.721	U	0.721	U	17.2	U	-	-	0.721	U
Trichloroethene	292	6			ug/m3	11.4		2.95		53.5		184		-	-	1.07	U
2,2,4-Trimethylpentane					ug/m3	0.934	U	0.934	U	2.14		22.2	U	-	-	0.934	U
Heptane					ug/m3	1.44		1.31		2.43		19.5	U	-	-	0.82	U
cis-1,3-Dichloropropene					ug/m3	0.908	U	0.908	U	0.908	U	21.6	U	-	-	0.908	U
4-Methyl-2-pentanone	438000				ug/m3	2.05	U	2.05	U	2.05	U	48.8	U	-	-	2.05	U
trans-1,3-Dichloropropene					ug/m3	0.908	U	0.908	U	0.908	U	21.6	U	-	-	0.908	U
1,1,2-Trichloroethane	29.2				ug/m3	1.09	U	1.09	U	1.09	U	26	U	-	-	1.09	U
Toluene	730000				ug/m3	3.99		3.68		3.67		17.9	U	-	-	1.21	
2-Hexanone	4380				ug/m3	0.82	U	0.82	U	0.82	U	19.5	U	-	-	0.82	U
Dibromochloromethane					ug/m3	1.7	U	1.7	U	1.7	U	40.6	U	-	-	1.7	U
1,2-Dibromoethane	6.81				ug/m3	1.54	U	1.54	U	1.54	U	36.6	U	-	-	1.54	U
Tetrachloroethene	5840		100		ug/m3	1.36	U	1.36	U	1.36	U	62.9		-	-	1.36	U
Chlorobenzene	7300				ug/m3	0.921	U	0.921	U	0.921	U	21.9	U	-	-	0.921	U
Ethylbenzene	1640				ug/m3	0.869	U	0.951		0.934		20.7	U	-	-	0.869	U
p/m-Xylene	14600				ug/m3	3.18		3.5		3.31		41.4	U	-	-	1.74	U
Bromoform	3720				ug/m3	2.07	U	2.07	U	2.07	U	49.2	U	-	-	2.07	U
Styrene	146000				ug/m3	0.852	U	0.852	U	0.852	U	20.3	U	-	-	0.852	U
1,1,2,2-Tetrachloroethane	70.5				ug/m3	1.37	U	1.37	U	1.37	U	32.7	U	-	-	1.37	U
o-Xylene	14600				ug/m3	1.63		1.44		1.46		20.7	U	-	-	0.869	U
4-Ethyltoluene					ug/m3	0.983	U	0.983	U	0.983	U	23.4	U	-	-	0.983	U
1,3,5-Trimethylbenzene	8760				ug/m3	0.983	U	0.983	U	0.983	U	23.4	U	-	-	0.983	U
1,2,4-Trimethylbenzene	8760				ug/m3	0.983	U	1.43		1.48		23.4	U	-	-	0.983	U
Benzyl chloride	83.4				ug/m3	1.04	U	1.04	U	1.04	U	24.6	U	-	-	1.04	U
1,3-Dichlorobenzene					ug/m3	1.2	U	1.2	U	1.2	U	28.6	U	-	-	1.2	U
1,4-Dichlorobenzene	372				ug/m3	1.2	U	1.2	U	1.2	U	28.6	U	-	-	1.2	U
1,2-Dichlorobenzene	29200				ug/m3	1.2	U	1.2	U	1.2	U	28.6	U	-	-	1.2	U
1,2,4-Trichlorobenzene	292				ug/m3	1.48	U	1.48	U	1.48	U	35.3	U	-	-	1.48	U
Hexachlorobutadiene	186				ug/m3	2.13	U	2.13	U	2.13	U	50.8	U	-	-	2.13	U

U - Not detected at the reported detection limit for the sample.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrur
Exceeds NY Soil Vapor Standards:
NY-SSC-A: New York DOH Matrix A Sub-slab Vapor Concentrations Criteria per Guidance for Evaluati
NY-SSC-B: New York DOH Matrix B Sub-slab Vapor Concentrations Criteria per Guidance for Evaluati
NY-SSC-C: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluati
EPA-VISL-CTSSGC-5: EPA VISL Default Commercial Target Sub-Slab & Exterior Soil Gas Concentrati

APPENDIX D

Boring/Monitoring Well Construction Logs

SESI CONSULTING ENGINEERS

PROJECT NAME:	33 Centre Ave	GEOPROBE NO.	**B-1**
LOCATION:	New Rochelle. NY	JOB NO.	10567
METHOD:	Dual Tube	GROUND ELEVATION:	NA
GEOPROBE BY:	Allstar (Joe)	DATE STARTED:	9/10/19
INSPECTOR:	JCS	DATE COMPLETED:	9/10/19

GROUNDWATER TABLE DEPTH: 0 Hr. | | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0			Concrete, subbase	7.3
					WC-A1i grab		5
	36	1			B-1(2-3)		10.7
4				4		Brown coarse to fine SAND, some Silt, trace Clay	5.2
			4				1
	38	2			B-1(5-6)		5.6
							2.1
8				8		Brown coarse to fine SAND, some Silt, trace coarse to fine Gravel	0.8
	34	3	8		WC-A1ii grab		0
							0
				11.5	B-1(10-11)	Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0
12						Boring Complete at 11.5 Feet BGS (refusal)	
16							
20							
24							
28							
32							
36							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

PROJECT NAME:	33 Centre Ave	GEOPROBE NO.	**B-2**
LOCATION:	New Rochelle, NY	JOB NO.	10567
METHOD:	Dual Tube	GROUND ELEVATION:	NA
GEOPROBE BY:	Allstar (Joe)	DATE STARTED:	9/10/19
INSPECTOR:	JCS	DATE COMPLETED:	9/10/19

GROUNDWATER TABLE DEPTH: 0 Hr. | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0						Concrete, subbase	0.8
					WC-A2i grab	(FILL) Brown coarse to fine SAND, trace Silt with Brick	2.3
	42	1					1.8
4					B-2(3-4)		4.5
							1.2
	40	2					2.7
					B-2(6-7)		8.4
8							2.9
	12	3			WC-A2ii grab	(weathered rock)	0
						Brown coarse to fine SAND, little Silt	0
						Boring Complete at ±9.5 Feet BGS (refusal)	
12							
16							
20							
24							
28							
32							
36							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

PROJECT NAME:	33 Centre Ave	GEOPROBE NO.	**B-3**
LOCATION:	New Rochelle, NY	JOB NO.	10567
METHOD:	Dual Tube	GROUND ELEVATION:	NA
GEOPROBE BY:	Allstar (Joe)	DATE STARTED:	9/11/19
INSPECTOR:	TP	DATE COMPLETED:	9/11/19

GROUNDWATER TABLE DEPTH: 0 Hr. ____ 24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0						4" asphalt	0
						Fill: Black medium to fine SAND, little fine Gravel, with	0
						debris (crushed brick, concrete)	0
	32	1			B-3(4-5)		1
5							4.5
	30	2			B-3(6-7)		2
						Brown medium to fine Sand and fine Gravel, trace	0
						Silt, with decomposed rock	0
						REFUSAL @ ±8 FEET	0
10							
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

PROJECT NAME:	33 Centre Ave	GEOPROBE NO.	**B-4**
LOCATION:	New Rochelle, NY	JOB NO.	10567
METHOD:	Dual Tube	GROUND ELEVATION:	NA
GEOPROBE BY:	Allstar (Joe)	DATE STARTED:	9/11/19
INSPECTOR:	TP	DATE COMPLETED:	9/11/19

GROUNDWATER TABLE DEPTH: 0 Hr. ____ 24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0					WC-A-3(0-5)	4" asphalt	0
						Fill: Brown medium to fine Sand and fine Gravel, debris	0
						(crushed brick, concrete)	2
	25	1			B-4(4-5)		12.5
5							5
						Light brown coarse to fine SAND, medium to fine Gravel,	0
						crushed rock, decomposed rock	0
	26	2			B-4(7-8)		0
						REFUSAL @ ±8 FEET	
10							
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

PROJECT NAME:	33 Centre Ave	GEOPROBE NO.	**B-5**
LOCATION:	New Rochelle, NY	JOB NO.	10567
METHOD:	Dual Tube	GROUND ELEVATION:	NA
GEOPROBE BY:	Allstar (Joe)	DATE STARTED:	9/11/19
INSPECTOR:	TP	DATE COMPLETED:	9/11/19

GROUNDWATER TABLE DEPTH: 0 Hr. | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0					WC-A-4(0-6)	4" asphalt	0
						Fill: Brown medium to fine SAND, some medium Gravel,	0
						trace Clay, with debris (crushed brick, concrete)	0
	29	1					0
5							0
							0
							0
	25	2				Light Brown medium to fine SAND, some medium Gravel,	0
						with micaceous decomposed rock	0
10						REFUSAL @ ±9 FEET	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

PROJECT NAME:	33 Centre Ave	GEOPROBE NO.	**B-6**
LOCATION:	New Rochelle, NY	JOB NO.	10567
METHOD:	Dual Tube	GROUND ELEVATION:	NA
GEOPROBE BY:	Allstar (Joe)	DATE STARTED:	9/10/19
INSPECTOR:	JCS	DATE COMPLETED:	9/10/19

GROUNDWATER TABLE DEPTH: 0 Hr. | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0			Concrete, subbase	0
					B-6(1-2)		0
	46	1					0
				4	WC-B1i Grab	Brown coarse to fine SAND, little Silt, trace Clay	0
5			4				0
							0
					WC-B1ii Grab		0
	48	2			B-6(7-8)		0
							0
10							3.8
					B-6(10-11)		14
	18	3		12		Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel.	6.7
						Boring Complete at ±12 Feet BGS (refusal)	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

PROJECT NAME:	33 Centre Ave	GEOPROBE NO.	**B-7**
LOCATION:	New Rochelle, NY	JOB NO.	10567
METHOD:	Dual Tube	GROUND ELEVATION:	NA
GEOPROBE BY:	Allstar (Joe)	DATE STARTED:	9/10/19
INSPECTOR:	JCS	DATE COMPLETED:	9/10/19

GROUNDWATER TABLE DEPTH: 0 Hr. | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0			Concrete, subbase	13.3
	26	1			B-7(1-2)		15.4
				3		Brown coarse to fine SAND, little Silt with weathered rock	2.9
						Boring Complete at 3 Feet BGS (refusal)	
5							
10							
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

PROJECT NAME:	33 Centre Ave	GEOPROBE NO.	**B-8**
LOCATION:	New Rochelle, NY	JOB NO.	10567
METHOD:	Dual Tube	GROUND ELEVATION:	NA
GEOPROBE BY:	Allstar (Joe)	DATE STARTED:	9/11/19
INSPECTOR:	TP	DATE COMPLETED:	9/11/19

GROUNDWATER TABLE DEPTH: 0 Hr. ____ 24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0						4" asphalt	0
						Fill: Brown medium to fine SAND, some fine Gravel, with	0
						debris (crushed brick, concrete)	0
	28	1			B-8(4-5)		2.5
5							1
	31	2			B-8(5-6)		1
						Light Brown medium to fine SAND, some fine Gravel, trace	0
						Clay, with decomposed rock	0
						REFUSAL @ ±8 FEET	0
10							
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

PROJECT NAME:	33 Centre Ave	GEOPROBE NO.	**B-9**
LOCATION:	New Rochelle, NY	JOB NO.	10567
METHOD:	Dual Tube	GROUND ELEVATION:	NA
GEOPROBE BY: Allstar (Joe)	DATE STARTED:	9/11/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: TP	DATE COMPLETED:	9/11/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0						4" asphalt	0
						Fill: Brown medium to fine SAND, some medium Gravel,	0
	32	1			B-9(3-4)	trace Clay, with debris (crushed brick, concrete)	0
							0
5							0
	26	2			B-9(6-7)	Light Brown medium to fine SAND, some medium Gravel,	0
						with micaceous decomposed rock @8'	0
							0
							0
10						REFUSAL @ ±9 FEET	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

PROJECT NAME:	33 Centre Ave	GEOPROBE NO.	**B-10**
LOCATION:	New Rochelle, NY	JOB NO.	10567
METHOD:	Dual Tube	GROUND ELEVATION:	NA
GEOPROBE BY:	Allstar (Joe)	DATE STARTED:	9/10/19
INSPECTOR:	JCS	DATE COMPLETED:	9/10/19

GROUNDWATER TABLE DEPTH: 0 Hr. | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0				0
							0
	30	1			B-10(2-3)		0
							0
5							0
							0
							0
	32	2		8	B-10(7-8)	(FILL) Brown coarse to fine SAND, some coarse to fine Gravel with Brick, Concrete	0
			8				0
10							0
							0
	22	3		12	B-10(11-12)	Brown coarse to fine SAND, little coarse to fine Gravel, trace Silt with weathered rock	0
						Boring Complete at ±12 Feet BGS	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

PROJECT NAME:	33 Centre Ave	GEOPROBE NO.	**B-11**
LOCATION:	New Rochelle, NY	JOB NO.	10567
METHOD:	Dual Tube	GROUND ELEVATION:	NA
GEOPROBE BY: Allstar (Joe)	DATE STARTED:	9/10/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	9/10/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0		B-11(0-1)	Concrete, subbase	0
				2		Brown-black coarse to fine SAND, some Silt, little Clay	0
	40	1	2				0
							0
5							0
					B-11(6-7)		0
							0
	42	2					0
						(weathered rock)	0
10				10		Brown coarse to fine SAND, little Silt, trace Clay	0
						Boring Complete at ±10 Feet BGS (refusal)	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

PROJECT NAME:	33 Centre Ave	GEOPROBE NO.	**B-12**
LOCATION:	New Rochelle, NY	JOB NO.	10567
METHOD:	Dual Tube	GROUND ELEVATION:	NA
GEOPROBE BY:	Allstar	DATE STARTED:	10/30/19
INSPECTOR:	GAS	DATE COMPLETED:	10/30/19

GROUNDWATER TABLE DEPTH: NE — 0 Hr. | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	1		Concrete, subbase	0
			1				0
	34	1					0
				4	B-12 (3-4)	Brown coarse to fine SAND, some Silt, little coarse to fine Gravel	0
5			4				0
						Light brown coarse to fine SAND, some coarse to fine Gravel, trace Silt	0
				7			0
	44	2	7			Brown gray coarse to fine SAND, little coarse to fine Gravel, trace Silt with weathered rock at 8.5'	0
				9	B-12 (8-9)		0
10						Boring Complete at ±9 feet BGS (Refusal)	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

PROJECT NAME:	33 Centre Ave	GEOPROBE NO.	**B-13**
LOCATION:	New Rochelle, NY	JOB NO.	10567
METHOD:	Dual Tube	GROUND ELEVATION:	NA
GEOPROBE BY:	Allstar (Joe)	DATE STARTED:	9/11/19
INSPECTOR:	TP	DATE COMPLETED:	9/11/19

GROUNDWATER TABLE DEPTH: 0 Hr. | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0						4" asphalt	0
						Fill: Brown medium to fine SAND, some fine Gravel, with	0
	32	1			B-13(3-4)	debris (crushed brick, concrete)	0
							0
5							0
	30	2			B-13(6-7)	Brown medium to fine SAND, some fine Gravel, trace Silt	0
						with fractured rock	0
							0
							0
10						REFUSAL @ ±9 FEET	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

PROJECT NAME:	33 Centre Ave	GEOPROBE NO.	**B-14**
LOCATION:	New Rochelle, NY	JOB NO.	10567
METHOD:	Dual Tube	GROUND ELEVATION:	NA
GEOPROBE BY:	Allstar (Joe)	DATE STARTED:	9/11/19
INSPECTOR:	TP	DATE COMPLETED:	9/11/19

GROUNDWATER TABLE DEPTH: 0 Hr. | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0					WC-B-3(0-5)	4" asphalt	0
	33	1			B-14(2-3)	Fill: Brown medium to fine SAND, some fine Gravel,	0
						trace Clay, with debris (crushed brick, concrete)	0
							0
5							0
						Light Brown medium to fine SAND, some medium Gravel,	0
						with micaceous decomposed rock @7'	0
	29	2			B-14(8-9)		0
							0
10						REFUSAL @ ±9 FEET	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

PROJECT NAME:	33 Centre Ave	GEOPROBE NO.	**B-15**
LOCATION:	New Rochelle, NY	JOB NO.	10567
METHOD:	Dual Tube	GROUND ELEVATION:	NA
GEOPROBE BY:	Allstar (Joe)	DATE STARTED:	9/10/19
INSPECTOR:	JCS	DATE COMPLETED:	9/11/19

GROUNDWATER TABLE DEPTH: 0 Hr. ____ 24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0					WC-B-4(0-5)	4" asphalt	0
						Fill: Brown coarse to fine SAND, some medium to fine Gravel,	0
	28	1			B-15(3-4)	with brick, concrete	0
							0
5							0
						Light Brown medium to fine SAND, some medium Gravel	0
							0
	30	2			B-15(6-7)		0
							0
10							
						REFUSAL @ ±10 FEET	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

PROJECT NAME:	33 Centre Ave	GEOPROBE NO.	**B-16**
LOCATION:	New Rochelle, NY	JOB NO.	10567
METHOD:	Dual Tube	GROUND ELEVATION:	NA
GEOPROBE BY:	Allstar (Joe)	DATE STARTED:	9/10/19
INSPECTOR:	JCS	DATE COMPLETED:	9/10/19

GROUNDWATER TABLE DEPTH: 0 Hr. | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0				1.2
				2		Brown coarse to fine SAND, little coarse to fine Gravel	2.3
	42	1	2				1.9
4				4	B-16(3-4)	Brown coarse to fine SAND, little Silt with weathered rock	13.5
			4				5.4
	40	2					8.9
							19.7
8					B-16(7-8)		26.5
	10	3		9		Borwn coarse to fine SAND, some Silt with weathered rock	3.2
						Boring Complete at ±9 Feet BGS (refusal)	
12							
16							
20							
24							
28							
32							
36							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

PROJECT NAME:	33 Centre Ave	GEOPROBE NO.	**B-17**
LOCATION:	New Rochelle, NY	JOB NO.	10567
METHOD:	Dual Tube	GROUND ELEVATION:	NA
GEOPROBE BY: Allstar	DATE STARTED:	10/30/19	GROUNDWATER TABLE DEPTH: NE
INSPECTOR: GAS	DATE COMPLETED:	10/30/19	0 Hr. ____ 24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	1		Concrete, subbase	0
	36	1	1		B-17(1.2-2.5)		0
						Light brown gray coarse to fine SAND, little coarse to fine Gravel, trace Silt with weathered rock at 3.5'	0
				4			0
5						Boring Complete at ±4 Feet BGS (Refusal)	
10							
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

PROJECT NAME:	33 Centre Ave	GEOPROBE NO.	**B-18**
LOCATION:	New Rochelle, NY	JOB NO.	10567
METHOD:	Dual Tube	GROUND ELEVATION:	NA
GEOPROBE BY:	Allstar	DATE STARTED:	10/30/19
INSPECTOR:	GAS	DATE COMPLETED:	10/30/19

GROUNDWATER TABLE DEPTH: NE — 0 Hr. | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	1		Concrete, subbase	0
	30	1	1			FILL Brown coarse to fine SAND, little coarse to fine Gravel, little	0
				3	B-18 (2-3)	Silt with some brick	0
						Boring complete at ±3 feet BGS (Refusal)	
5							
10							
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

PROJECT NAME:	33 Centre Ave	GEOPROBE NO.	**B-19**
LOCATION:	New Rochelle, NY	JOB NO.	10567
METHOD:	Dual Tube	GROUND ELEVATION:	NA
GEOPROBE BY:	Allstar	DATE STARTED:	10/30/19
INSPECTOR:	GAS	DATE COMPLETED:	10/30/19

GROUNDWATER TABLE DEPTH: NE — 0 Hr. | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	1		Concrete, subbase	0
			1				0
	30	1		3		Gray brown Clayey Silt, little coarse to fine Sand	0
			3	4		Black-brown coarse to fine SAND, some coarse to fine Gravel	0
5			4		B-19 (4-5)		2.5
							0
					B-19 (5.5-6.5)		0
	48	2					0
				9		Light brown coarse to fine SAND, some coarse to fine Gravel, trace Silt with weathered rock at 8.5 feet.	0
10						Boring complete at ±9 Feet BGS (Refusal)	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

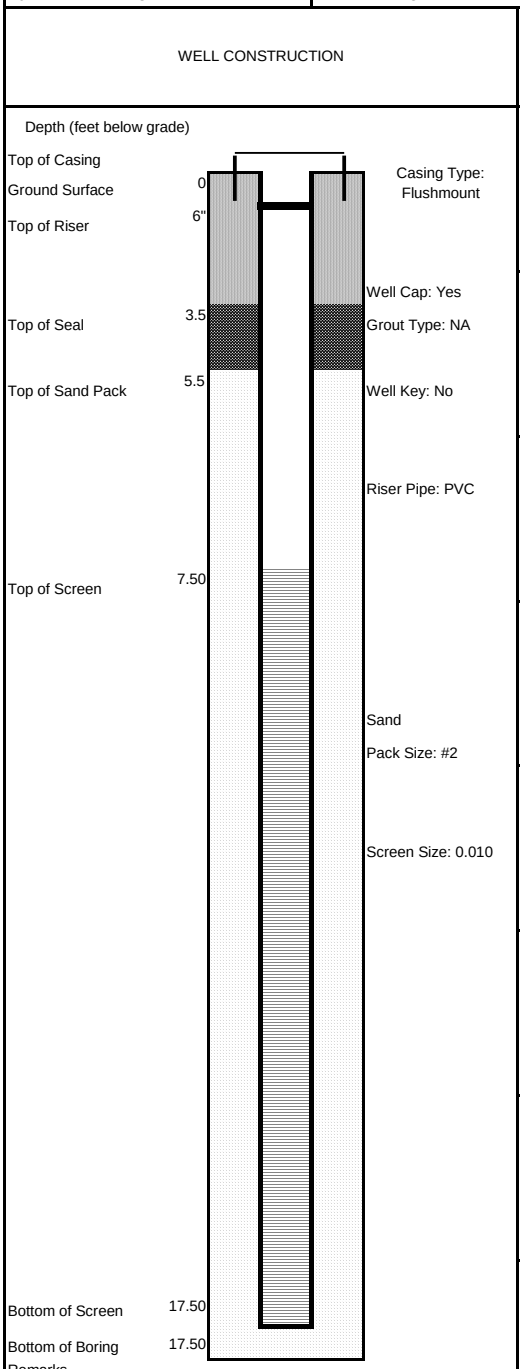
Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS	PROJECT NAME:	33 Centre Ave	MONITORING WELL NO.	**MW-1**
	PROJECT LOCATION:	New Rochelle, NY	JOB NO.	10567
			GROUND ELEVATION:	NA

BORING BY: Allstar	DATE STARTED	10/1/19	DEVELOPMENT PERIOD	NA	INSIDE CASING DIAMETER (in)	2
INSPECTOR: JCS	DATE COMPLETED	10/1/19	DEVELOPMENT METHOD	NA	BOREHOLE DIAMETER (in)	4
NJ DEP PERMIT NO.:	DATE DEVELOPED	10/2/19	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	9.52



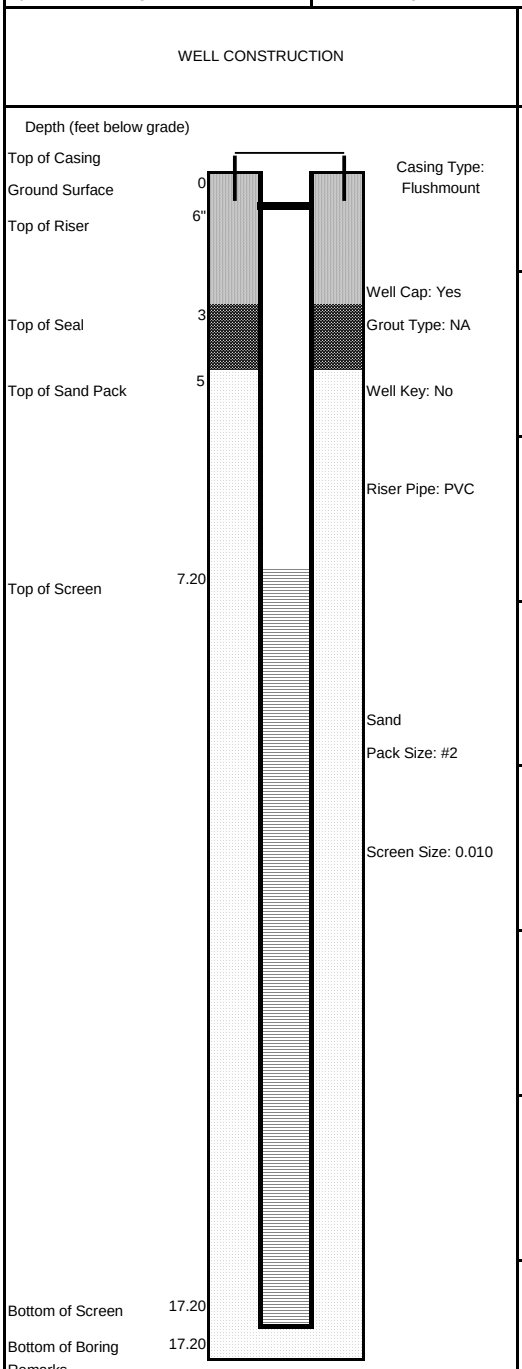
WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
	0								0
									0
									0
								Fill: Brown medium to fine SAND, some medium Gravel,	0
	5							trace Clay, with debris (crushed brick, concrete)	0
								Hit bedrock - switched to air rotary	
	10								
	15								
								Boring complete at ±17 Feet BGS	
	20								
	25								
	30								
	35								
	40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS	PROJECT NAME:	33 Centre Ave	MONITORING WELL NO.	**MW-2**
	PROJECT LOCATION:	New Rochelle, NY	JOB NO.	10567
			GROUND ELEVATION:	NA

BORING BY: Allstar	DATE STARTED	10/1/19	DEVELOPMENT PERIOD	NA	INSIDE CASING DIAMETER (in)	2
INSPECTOR: JCS	DATE COMPLETED	10/1/19	DEVELOPMENT METHOD	NA	BOREHOLE DIAMETER (in)	4
NJ DEP PERMIT NO.:	DATE DEVELOPED	10/2/19	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	8.51



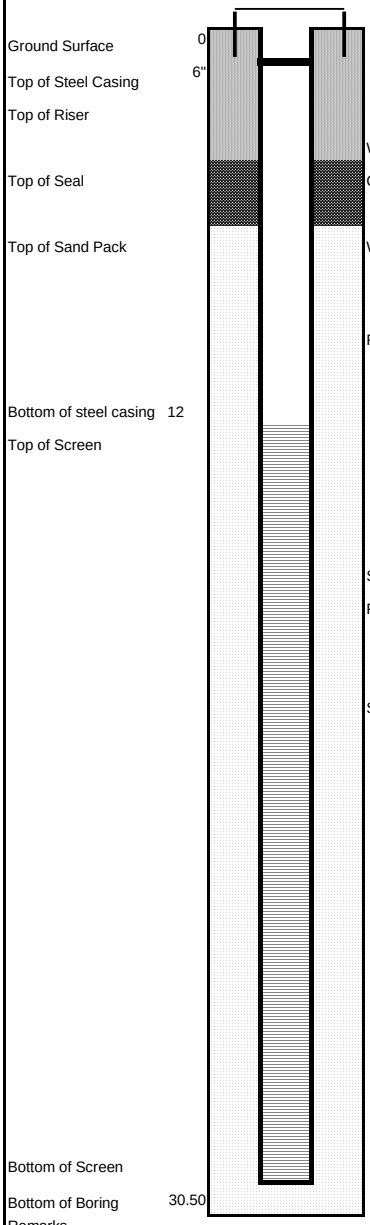
DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
0							Fill: Brown medium to fine SAND, some medium Gravel,	0
							trace Clay, with debris (crushed brick, concrete)	0
								0
								0
5								0
								0
								0
							Light Brown medium to fine SAND, some medium Gravel,	0
							with micaceous decomposed rock @8'	0
10							Bedrock - switched to air rotary	
15								
							Boring Complete at ±17 Feet BGS	
20								
25								
30								
35								
40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS	PROJECT NAME:	33 Centre Ave	MONITORING WELL NO.	**MW-5D**
	PROJECT LOCATION:	New Rochelle, NY	JOB NO.	10567
			GROUND ELEVATION:	NA

BORING BY: Allstar	DATE STARTED	12/4/19	DEVELOPMENT PERIOD	NA	INSIDE CASING DIAMETER (in)	2
INSPECTOR: JCS	DATE COMPLETED	12/6/19	DEVELOPMENT METHOD	NA	BOREHOLE DIAMETER (in)	6
NJ DEP PERMIT NO.:	DATE DEVELOPED	NA	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	7.92



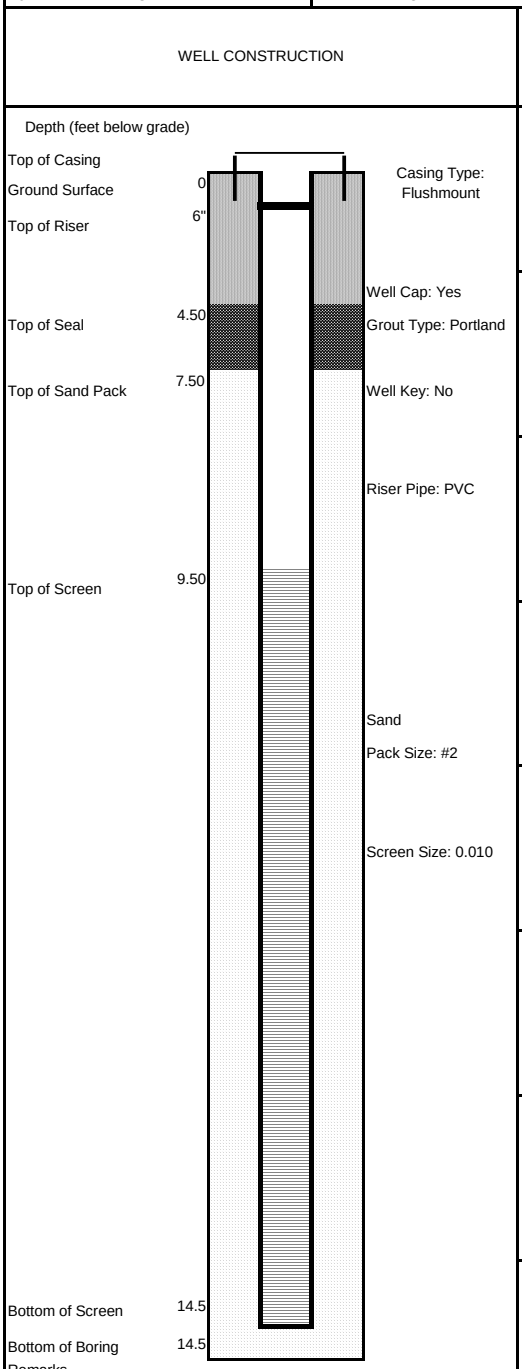
WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
	0								0
									0
									0
								Bronw coarse to fine SAND, some Silt, little Clay	0
	5							Bedrock	
	10								
								Set steel casing at 12' bgs and grouted	
								Fracture observed	
	15								
	20								
								Fracture observed	
	25								
	30							Boring Complete at ±29 Feet BGS	
	35								
	40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS	PROJECT NAME:	33 Centre Ave	MONITORING WELL NO.	MW-5S
	PROJECT LOCATION:	New Rochelle, NY	JOB NO.	10567
			GROUND ELEVATION:	

BORING BY: Allstar	DATE STARTED	11/25/19	DEVELOPMENT PERIOD	NA	INSIDE CASING DIAMETER (in)	2
INSPECTOR: JCS	DATE COMPLETED	11/26/19	DEVELOPMENT METHOD	NA	BOREHOLE DIAMETER (in)	6
NJ DEP PERMIT NO.:	DATE DEVELOPED	NA	DEVELOPMENT RATE	# gpm	INITIAL WATER LEVEL (ft):	7.81



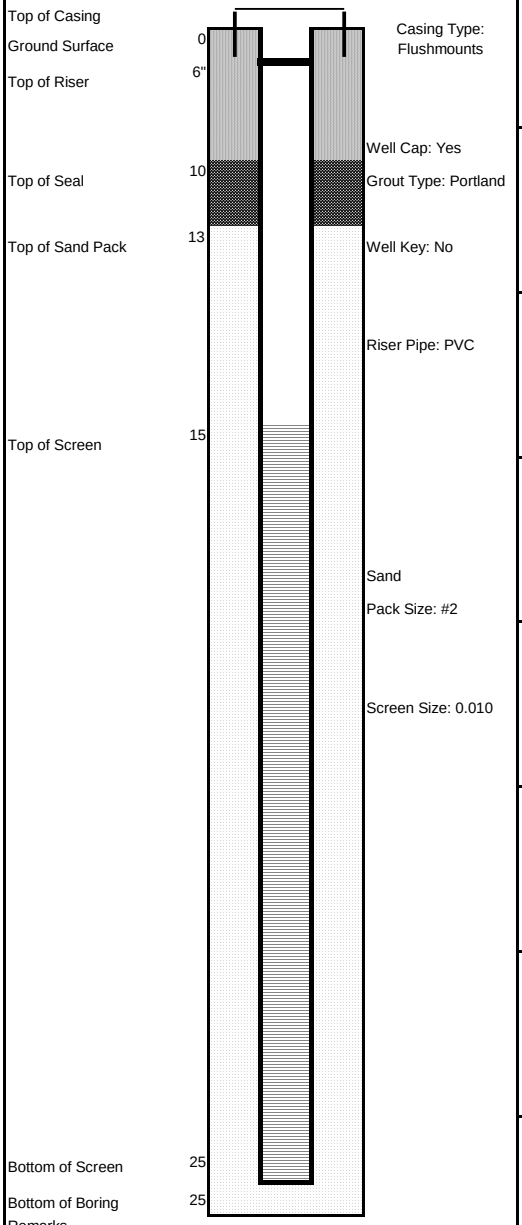
DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
0								0
								0
								0
							Brown coarse to fine SAND, little Silt, trace Clay	0
5							Bedrock- switched to air rotary	
10								
							Encountered water producing fracture	
15								
							Boring Complete at ±14.5 Feet BGS	
20								
25								
30								
35								
40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS	PROJECT NAME:	33 Centre Ave	MONITORING WELL NO.	**MW-7D**
	PROJECT LOCATION:	New Rochelle, NY	JOB NO.	10567
			GROUND ELEVATION:	NA

BORING BY: Allstar	DATE STARTED	12/9/19	DEVELOPMENT PERIOD	NA	INSIDE CASING DIAMETER (in)	2
INSPECTOR: JCS	DATE COMPLETED	12/9/19	DEVELOPMENT METHOD	NA	BOREHOLE DIAMETER (in)	6
NJ DEP PERMIT NO.:	DATE DEVELOPED	NA	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	7.4



WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
	0								0
									0
									0
									0
	5								0
									0
									0
									0
									0
	10							Brown coarse to fine SAND, little Silt, trace Clay	0
								Bedrock	
								Possible small fracture	
	15								
	20								
								Possible fracture	
	25								
								Boring Complete at ±25 Feet BGS	
	30								
	35								
	40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _ _

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS	PROJECT NAME:	33 Centre Ave	MONITORING WELL NO.	**MW-8D**
	PROJECT LOCATION:	New Rochelle, NY	JOB NO.	10567
			GROUND ELEVATION:	NA

BORING BY: Allstar	DATE STARTED	11/26/19	DEVELOPMENT PERIOD	NA	INSIDE CASING DIAMETER (in)	2
INSPECTOR: JCS	DATE COMPLETED	12/6/19	DEVELOPMENT METHOD	NA	BOREHOLE DIAMETER (in)	6
NJ DEP PERMIT NO.:	DATE DEVELOPED	NA	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	11.58

WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
	0								
								Boring Complete at ±43 Feet BGS	
	45								
	50								
	55								
	60								
	25								
	65								
	70								
	75								

Depth (feet below grade)

Ground Surface 0

Top of Steel Casing 6"

Top of Riser

Top of Seal

Top of Sand Pack

Bottom of steel casing 24

Top of Screen

Bottom of Screen

Bottom of Boring 30.50

Remarks

Casing Type: Flushmounts

Well Cap: Yes

Grout Type: Portland

Well Key: No

Riser Pipe: PVC

Sand

Pack Size: #2

Screen Size: 0.010

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS	PROJECT NAME:	33 Centre Ave	MONITORING WELL NO.	MW-9D
	PROJECT LOCATION:	New Rochelle, NY	JOB NO.	10567
			GROUND ELEVATION:	NA

BORING BY: Allstar	DATE STARTED	12/3/19	DEVELOPMENT PERIOD	NA	INSIDE CASING DIAMETER (in)	2
INSPECTOR: JCS	DATE COMPLETED	12/5/19	DEVELOPMENT METHOD	NA	BOREHOLE DIAMETER (in)	6
NJ DEP PERMIT NO.:	DATE DEVELOPED	NA	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	28.43

WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
	0								
								Boring Complete at ±43 Feet BGS	
	45								
	50								
	55								
	60								
	25								
	65								
	70								
	75								

Depth (feet below grade)

Ground Surface 0

Top of Steel Casing 6"

Top of Riser

Top of Seal

Top of Sand Pack

Bottom of steel casing 23

Top of Screen

Bottom of Screen

Bottom of Boring 43.50

Remarks

Casing Type: Flushmounts

Well Cap: Yes

Grout Type: Portland

Well Key: No

Riser Pipe: PVC

Sand

Pack Size: #2

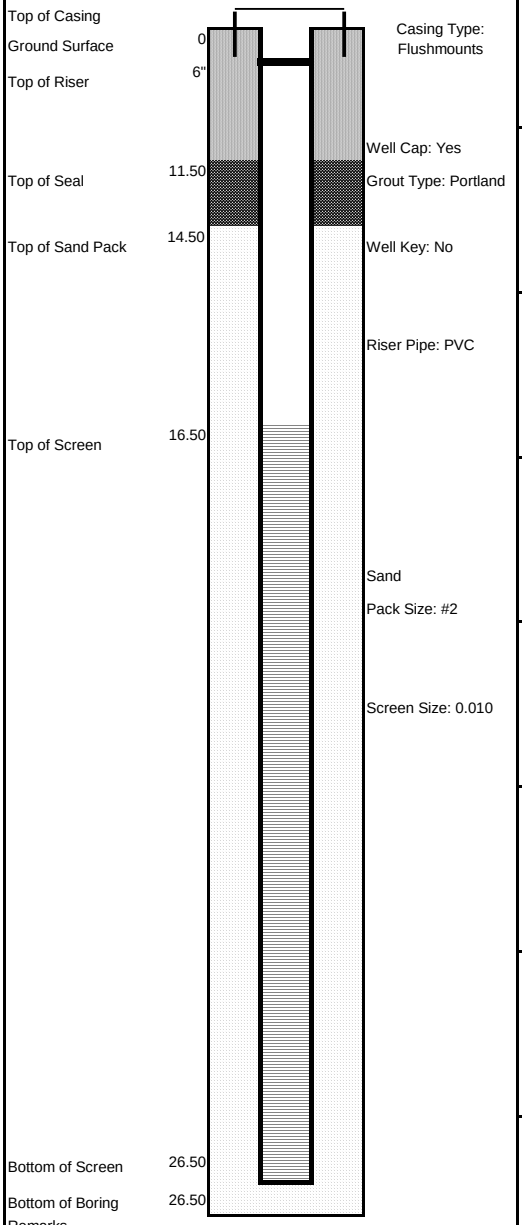
Screen Size: 0.010

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS	PROJECT NAME:	33 Centre Ave	MONITORING WELL NO.	**MW-10**
	PROJECT LOCATION:	New Rochelle, NY	JOB NO.	10567
			GROUND ELEVATION:	NA

BORING BY: Allstar	DATE STARTED	12/6/19	DEVELOPMENT PERIOD	NA	INSIDE CASING DIAMETER (in)	2
INSPECTOR: JCS	DATE COMPLETED	12/6/19	DEVELOPMENT METHOD	NA	BOREHOLE DIAMETER (in)	6
NJ DEP PERMIT NO.:	DATE DEVELOPED	NA	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	10.9



DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
0								0
								0
								0
								0
5							Brown Coarse to fine SAND, some Clay, little Silt	0
								0
								0
								0
								0
10								
15							Brown coarse to fine SAND, some Silt, little Clay	
							Bedrock	
20								
25								
							Boring Complete at ±26 Feet BGS	
30								
35								
40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

APPENDIX E

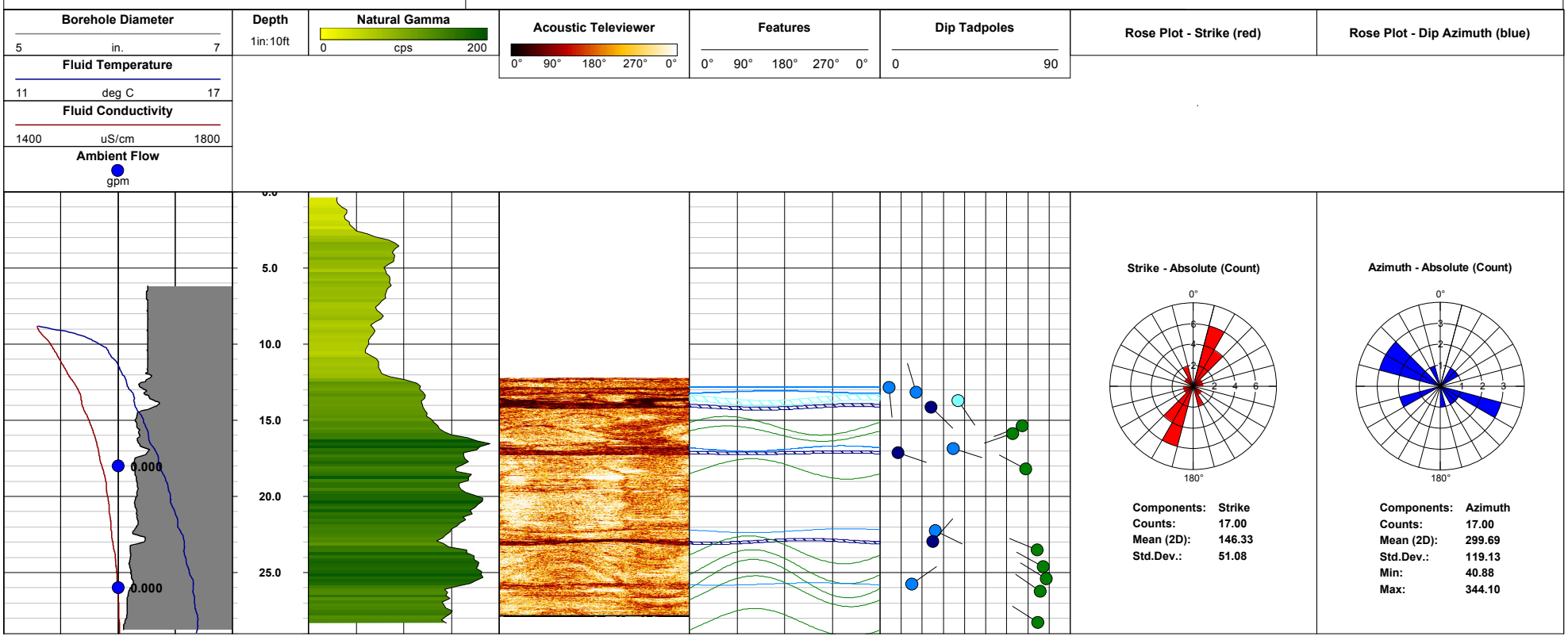
Borehole Geophysical Logs

Earth Data Northeast, Inc.

Client: **SESI Consulting Engineers**
Location: **New Rochelle, NY**
Well Name: **MW-5D**
Date: **12/11/19**
Depth Reference: **Ground Surface**
Magnetic Declination: **-12.90 deg**
North reference: **True**

Borehole Diameter: **6" nominal**
Static Water Level: **7.9'**
Casing Depth: **12.2'**
Total Depth: **29'**

Fracture/Feature
Hairline Fracture/Feature
Discontinuous Fracture/Feature
Bedding/Change in Lithology



Earth Data Northeast, Inc.

Client: **SESI Consulting Engineers**
Location: **New Rochelle, NY**
Well Name: **MW-8D**
Date: **12/11/19**
Depth Reference: **Ground Surface**
Magnetic Declination: **-12.90 deg**
North reference: **True**

Borehole Diameter: **6" nominal**
Static Water Level: **11.6'**
Casing Depth: **24'**
Total Depth: **42'**

Fracture/Feature
Hairline Fracture/Feature
Discontinuous Hairline Fracture/Feature
Bedding/Change in Lithology

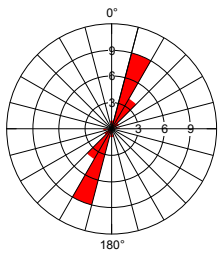
Borehole Diameter 4 in. 8
Fluid Temperature 14 deg C 18
Fluid Conductivity 1400 uS/cm 1800
Ambient Flow gpm
Depth 1in:10ft
Natural Gamma 0 cps 200
Acoustic Televiewer 0° 90° 180° 270° 0°
Features 0° 90° 180° 270° 0°
Dip Tadpoles 0 90
Rose Plot - Strike (red)
Rose Plot - Dip Azimuth (blue)

Note: The operating range of the heat pulse flowmeter is 0.03 - 1.00 gpm. Values presented outside of this range are provided for qualitative purposes only.

0.012
0.017

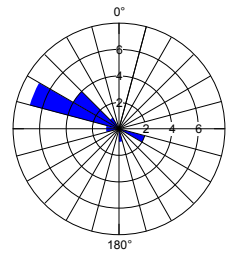
5.0
10.0
15.0
20.0
25.0
30.0
35.0
40.0

Strike - Absolute (Count)



Components:	Strike
Counts:	17.00
Mean (2D):	122.67
Std.Dev.:	31.61

Azimuth - Absolute (Count)



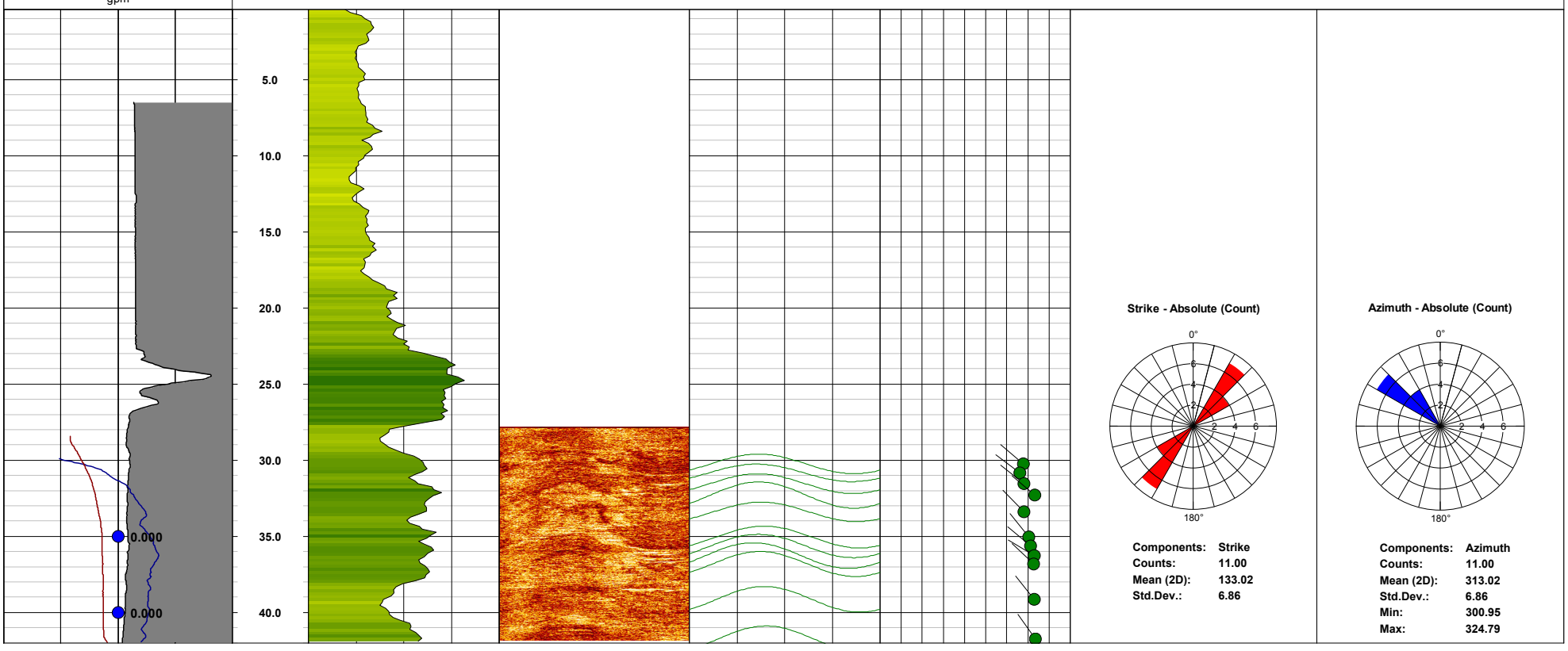
Components:	Azimuth
Counts:	17.00
Mean (2D):	294.26
Std.Dev.:	52.42
Min:	105.62
Max:	315.71

Earth Data Northeast, Inc.

Client: **SESI Consulting Engineers**
Location: **New Rochelle, NY**
Well Name: **MW-9D**
Date: **12/11/19**
Depth Reference: **Ground Surface**
Magnetic Declination: **-12.90 deg**
North reference: **True**

Borehole Diameter: **6" nominal**
Static Water Level: **28.4'**
Casing Depth: **23'**
Total Depth: **42'**

Bedding/Change in Lithology



Strike - Absolute (Count)

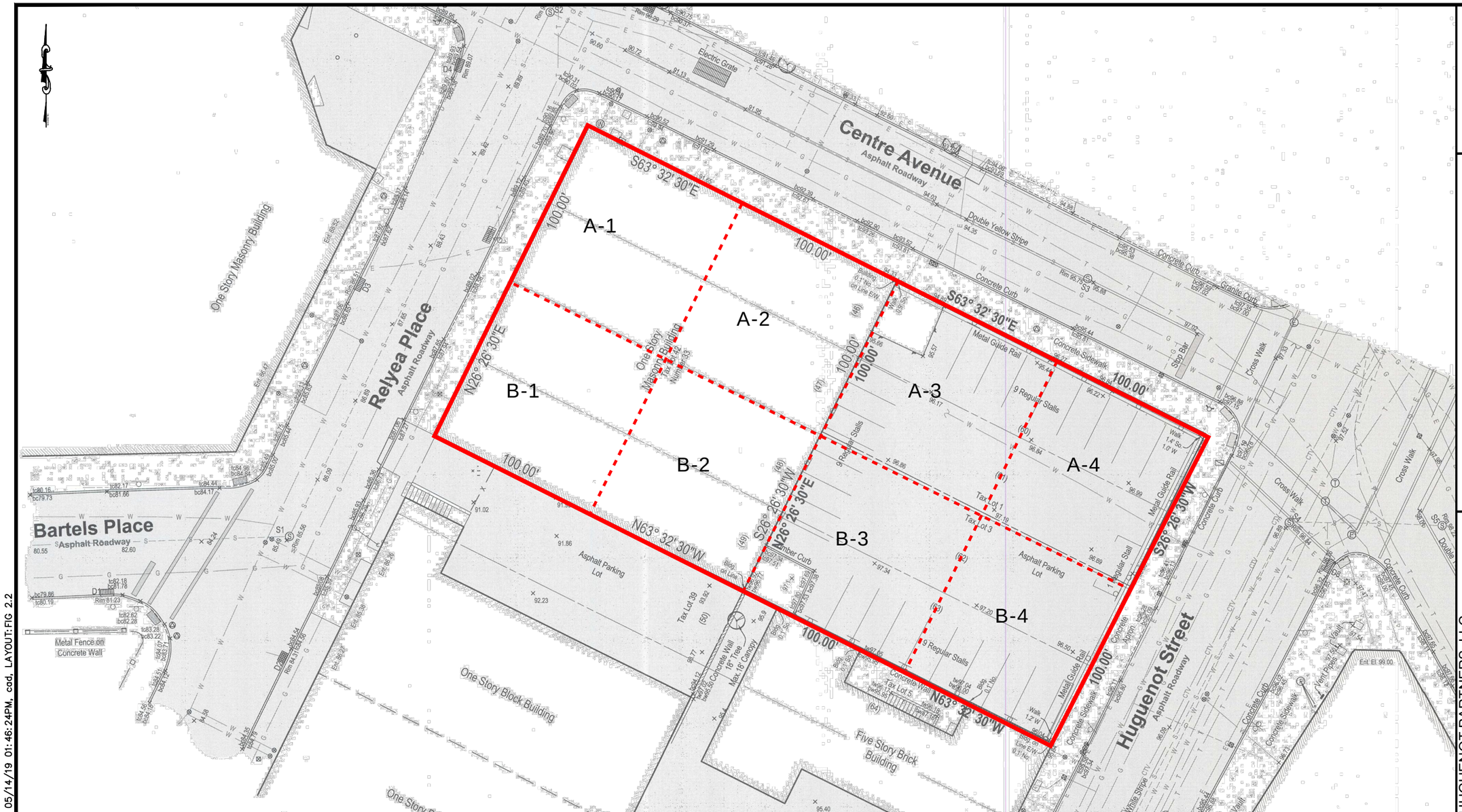
Components:	Strike
Counts:	11.00
Mean (2D):	133.02
Std.Dev.:	6.86

Azimuth - Absolute (Count)

Components:	Azimuth
Counts:	11.00
Mean (2D):	313.02
Std.Dev.:	6.86
Min:	300.95
Max:	324.79

APPENDIX F

Waste Classification Sampling Data



NYS Education Law
Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

© SESI CONSULTING ENGINEERS D.P.C. 2019
This drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.

REFERENCE
1. EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "BOUNDARY SURVEY OF LOTS 46 THRU 49 AND 60 THRU 63 INCL. MAP OR PROPERTY BELONGING TO MARIA R. LAWTON, DECEASED" PREPARED BY H2M ARCHITECTS AND ENGINEERS DATED SEPT. 28, 2018.

SCALE: 1"=30'
0 30 60

dwg by: AG
chk by: SSG
scale: AS NOTED
date: 5/14/19

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

project: HUGUENOT PARTNERS, LLC
33 CENTRE AVENUE
SECTION NO. 2, BLOCK NO. 437
LOTS 1, 3 AND 42
NEW ROCHELLE, NEW YORK

drawing title: SITE PLAN

job no: 10567
drawing no:

FIG 2.2

N:\ACAD\10567\CADD\10567-SITE FIGS.DWG 05/14/19 01:46:24PM, cad, LAYOUT:FIG 2.2

ANALYTICAL REPORT

Lab Number:	L1941307
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	Not Specified
Project Number:	10567
Report Date:	09/17/19

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

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

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

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1941307-01	WC-A2I COMP	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 10:05	09/10/19
L1941307-02	WC-A2I GRAB	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 10:00	09/10/19
L1941307-03	WC-A2II GRAB	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 10:10	09/10/19
L1941307-04	WC-A2II COMP	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 10:15	09/10/19
L1941307-05	WC-B1I GRAB	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 12:00	09/10/19
L1941307-06	WC-B1I COMP	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 12:05	09/10/19
L1941307-07	WC-B1II GRAB	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 12:10	09/10/19
L1941307-08	WC-B1II COMP	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 12:15	09/10/19
L1941307-09	WC-A1I GRAB	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 11:25	09/10/19
L1941307-10	WC-A1I COMP	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 11:30	09/10/19
L1941307-11	WC-A1II GRAB	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 11:40	09/10/19
L1941307-12	WC-A1II COMP	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 11:45	09/10/19

Project Name:	Not Specified	**Lab Number:**	L1941307
Project Number:	10567	**Report Date:**	09/17/19

Case Narrative

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

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

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

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

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

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

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

Case Narrative (continued)

Report Submission

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

Total Metals

L1941307-01, -04, -06, -08, -10 and -12: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 09/17/19

ORGANICS

VOLATILES

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-02
Client ID: WC-A2I GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:00
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 11:34
Analyst: JC
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	2.5	J	ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	0.29	J	ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	0.72		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.96	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	0.58	J	ug/kg	1.5	0.14	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-02 Date Collected: 09/10/19 10:00

Client ID: WC-A2I GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.0		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	0.68	J	ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	9.6		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	10	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	1
Acetone	92		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	2.4	J	ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.67	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-02
Client ID: WC-A2I GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:00
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.34	1
1,4-Dioxane	ND		ug/kg	82	36.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	100		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-03
Client ID: WC-A2II GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 11:59
Analyst: JC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	2.0	J	ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.89	0.13	1
Chloroform	0.24	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.89	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.89	0.11	1
Dibromochloromethane	ND		ug/kg	0.89	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.89	0.24	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.89	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.89	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.5	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.15	1
Benzene	ND		ug/kg	0.44	0.15	1
Toluene	ND		ug/kg	0.89	0.48	1
Ethylbenzene	ND		ug/kg	0.89	0.12	1
Chloromethane	ND		ug/kg	3.5	0.83	1
Bromomethane	ND		ug/kg	1.8	0.51	1
Vinyl chloride	ND		ug/kg	0.89	0.30	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.89	0.21	1
trans-1,2-Dichloroethene	0.45	J	ug/kg	1.3	0.12	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-03 Date Collected: 09/10/19 10:10

Client ID: WC-A2II GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.24	J	ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	0.48	J	ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.89	0.26	1
Xylenes, Total	ND		ug/kg	0.89	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.89	0.16	1
1,2-Dichloroethene, Total	0.45	J	ug/kg	0.89	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.89	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.9	0.81	1
Acetone	110		ug/kg	8.9	4.3	1
Carbon disulfide	ND		ug/kg	8.9	4.0	1
2-Butanone	2.6	J	ug/kg	8.9	2.0	1
Vinyl acetate	ND		ug/kg	8.9	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.9	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.9	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.89	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.89	0.15	1
sec-Butylbenzene	ND		ug/kg	0.89	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.88	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.89	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.89	0.10	1
Naphthalene	ND		ug/kg	3.5	0.58	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-03 Date Collected: 09/10/19 10:10

Client ID: WC-A2II GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.89	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	71	31.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.2	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	102		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-05
Client ID: WC-B1I GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:00
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 12:50
Analyst: JC
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	2.5	J	ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.13	1
Chloroform	0.29	J	ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.93	0.50	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	0.45	J	ug/kg	1.4	0.13	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-05 Date Collected: 09/10/19 12:00

Client ID: WC-B1I GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.19	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	0.45	J	ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	98		ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.0	1
Vinyl acetate	ND		ug/kg	9.3	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.93	0.15	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.18	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-05
Client ID: WC-B1I GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:00
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.93	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
1,4-Dioxane	ND		ug/kg	74	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.18	1
Ethyl ether	ND		ug/kg	1.8	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	24.4	J	ug/kg			1
Unknown	24.4	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	102		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-07
Client ID: WC-B1II GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 13:15
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	2.3	J	ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.88	0.13	1
Chloroform	0.88	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.88	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.88	0.11	1
Dibromochloromethane	ND		ug/kg	0.88	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.88	0.24	1
Tetrachloroethene	0.23	J	ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.61	1
1,2-Dichloroethane	ND		ug/kg	0.88	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.5	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.15	1
Benzene	ND		ug/kg	0.44	0.15	1
Toluene	ND		ug/kg	0.88	0.48	1
Ethylbenzene	ND		ug/kg	0.88	0.12	1
Chloromethane	ND		ug/kg	3.5	0.82	1
Bromomethane	ND		ug/kg	1.8	0.51	1
Vinyl chloride	ND		ug/kg	0.88	0.29	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.88	0.21	1
trans-1,2-Dichloroethene	0.51	J	ug/kg	1.3	0.12	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-07 Date Collected: 09/10/19 12:10

Client ID: WC-B1II GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.82		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	0.64	J	ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.49	1
o-Xylene	ND		ug/kg	0.88	0.26	1
Xylenes, Total	ND		ug/kg	0.88	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.88	0.15	1
1,2-Dichloroethene, Total	0.51	J	ug/kg	0.88	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.88	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.8	0.80	1
Acetone	260		ug/kg	8.8	4.2	1
Carbon disulfide	ND		ug/kg	8.8	4.0	1
2-Butanone	4.0	J	ug/kg	8.8	2.0	1
Vinyl acetate	ND		ug/kg	8.8	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.8	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.8	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.88	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.88	0.15	1
sec-Butylbenzene	ND		ug/kg	0.88	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.88	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.88	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.88	0.10	1
Naphthalene	ND		ug/kg	3.5	0.57	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-07 Date Collected: 09/10/19 12:10

Client ID: WC-B1II GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.88	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.29	1
1,4-Dioxane	ND		ug/kg	70	31.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.2	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-09
Client ID: WC-A1I GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:25
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 13:41
Analyst: JC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	2.4	J	ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.89	0.13	1
Chloroform	0.24	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.89	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.89	0.11	1
Dibromochloromethane	ND		ug/kg	0.89	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.89	0.24	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.89	0.23	1
1,1,1-Trichloroethane	0.19	J	ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.89	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.5	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.15	1
Benzene	ND		ug/kg	0.44	0.15	1
Toluene	ND		ug/kg	0.89	0.48	1
Ethylbenzene	ND		ug/kg	0.89	0.12	1
Chloromethane	ND		ug/kg	3.5	0.82	1
Bromomethane	ND		ug/kg	1.8	0.51	1
Vinyl chloride	ND		ug/kg	0.89	0.30	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.89	0.21	1
trans-1,2-Dichloroethene	0.52	J	ug/kg	1.3	0.12	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-09 Date Collected: 09/10/19 11:25

Client ID: WC-A1I GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	4.8		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.89	0.26	1
Xylenes, Total	ND		ug/kg	0.89	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.89	0.16	1
1,2-Dichloroethene, Total	0.52	J	ug/kg	0.89	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.89	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.9	0.81	1
Acetone	ND		ug/kg	8.9	4.3	1
Carbon disulfide	ND		ug/kg	8.9	4.0	1
2-Butanone	ND		ug/kg	8.9	2.0	1
Vinyl acetate	ND		ug/kg	8.9	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.9	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.9	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.89	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.89	0.15	1
sec-Butylbenzene	ND		ug/kg	0.89	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.88	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.89	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.89	0.10	1
Naphthalene	ND		ug/kg	3.5	0.58	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-09 Date Collected: 09/10/19 11:25

Client ID: WC-A1I GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.89	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	71	31.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.2	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	107		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-11
Client ID: WC-A1II GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 14:06
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	2.2	J	ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.87	0.13	1
Chloroform	0.24	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.87	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.87	0.11	1
Dibromochloromethane	ND		ug/kg	0.87	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.87	0.23	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.61	1
1,2-Dichloroethane	ND		ug/kg	0.87	0.22	1
1,1,1-Trichloroethane	0.26	J	ug/kg	0.44	0.14	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.87	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.5	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.14	1
Benzene	ND		ug/kg	0.44	0.14	1
Toluene	ND		ug/kg	0.87	0.47	1
Ethylbenzene	ND		ug/kg	0.87	0.12	1
Chloromethane	ND		ug/kg	3.5	0.81	1
Bromomethane	ND		ug/kg	1.7	0.51	1
Vinyl chloride	ND		ug/kg	0.87	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.87	0.21	1
trans-1,2-Dichloroethene	0.46	J	ug/kg	1.3	0.12	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-11 Date Collected: 09/10/19 11:40

Client ID: WC-A1II GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	3.6		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.18	1
p/m-Xylene	ND		ug/kg	1.7	0.49	1
o-Xylene	ND		ug/kg	0.87	0.25	1
Xylenes, Total	ND		ug/kg	0.87	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.87	0.15	1
1,2-Dichloroethene, Total	0.46	J	ug/kg	0.87	0.12	1
Dibromomethane	ND		ug/kg	1.7	0.21	1
Styrene	ND		ug/kg	0.87	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.7	0.80	1
Acetone	110		ug/kg	8.7	4.2	1
Carbon disulfide	ND		ug/kg	8.7	4.0	1
2-Butanone	ND		ug/kg	8.7	1.9	1
Vinyl acetate	ND		ug/kg	8.7	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.7	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.7	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.87	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.7	0.13	1
n-Butylbenzene	ND		ug/kg	0.87	0.14	1
sec-Butylbenzene	ND		ug/kg	0.87	0.13	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.17	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.87	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.87	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.87	0.10	1
Naphthalene	ND		ug/kg	3.5	0.57	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-11 Date Collected: 09/10/19 11:40

Client ID: WC-A1II GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.87	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
1,4-Dioxane	ND		ug/kg	70	31.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.17	1
Ethyl ether	ND		ug/kg	1.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.2	1
Tentatively Identified Compounds						
Total TIC Compounds	16.8	J	ug/kg			1
Unknown	16.8	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	104		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 09:27
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,05,07,09,11 Batch: WG1284957-5					
Methylene chloride	2.5	J	ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.32	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 09:27
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,05,07,09,11 Batch: WG1284957-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 09:27
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,05,07,09,11 Batch: WG1284957-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds			
Total TIC Compounds	5.70	J	ug/kg
Unknown	5.70	J	ug/kg

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 09:27
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,05,07,09,11 Batch: WG1284957-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,05,07,09,11 Batch: WG1284957-3 WG1284957-4								
Methylene chloride	104		104		70-130	0		30
1,1-Dichloroethane	113		112		70-130	1		30
Chloroform	107		108		70-130	1		30
Carbon tetrachloride	118		118		70-130	0		30
1,2-Dichloropropane	109		110		70-130	1		30
Dibromochloromethane	101		102		70-130	1		30
1,1,2-Trichloroethane	99		98		70-130	1		30
Tetrachloroethene	107		106		70-130	1		30
Chlorobenzene	101		100		70-130	1		30
Trichlorofluoromethane	105		104		70-139	1		30
1,2-Dichloroethane	111		112		70-130	1		30
1,1,1-Trichloroethane	115		114		70-130	1		30
Bromodichloromethane	106		108		70-130	2		30
trans-1,3-Dichloropropene	105		106		70-130	1		30
cis-1,3-Dichloropropene	108		110		70-130	2		30
1,1-Dichloropropene	112		112		70-130	0		30
Bromoform	100		96		70-130	4		30
1,1,2,2-Tetrachloroethane	91		90		70-130	1		30
Benzene	103		103		70-130	0		30
Toluene	104		102		70-130	2		30
Ethylbenzene	106		107		70-130	1		30
Chloromethane	85		84		52-130	1		30
Bromomethane	78		76		57-147	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,05,07,09,11 Batch: WG1284957-3 WG1284957-4								
Vinyl chloride	81		80		67-130	1		30
Chloroethane	84		82		50-151	2		30
1,1-Dichloroethene	99		100		65-135	1		30
trans-1,2-Dichloroethene	106		106		70-130	0		30
Trichloroethene	105		106		70-130	1		30
1,2-Dichlorobenzene	96		97		70-130	1		30
1,3-Dichlorobenzene	100		101		70-130	1		30
1,4-Dichlorobenzene	98		99		70-130	1		30
Methyl tert butyl ether	106		104		66-130	2		30
p/m-Xylene	108		107		70-130	1		30
o-Xylene	106		107		70-130	1		30
cis-1,2-Dichloroethene	104		102		70-130	2		30
Dibromomethane	103		102		70-130	1		30
Styrene	110		111		70-130	1		30
Dichlorodifluoromethane	44		41		30-146	7		30
Acetone	125		109		54-140	14		30
Carbon disulfide	91		88		59-130	3		30
2-Butanone	114		108		70-130	5		30
Vinyl acetate	117		116		70-130	1		30
4-Methyl-2-pentanone	115		112		70-130	3		30
1,2,3-Trichloropropane	99		93		68-130	6		30
2-Hexanone	111		106		70-130	5		30
Bromochloromethane	99		100		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,05,07,09,11 Batch: WG1284957-3 WG1284957-4								
2,2-Dichloropropane	117		116		70-130	1		30
1,2-Dibromoethane	98		98		70-130	0		30
1,3-Dichloropropane	101		99		69-130	2		30
1,1,1,2-Tetrachloroethane	103		102		70-130	1		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	108		109		70-130	1		30
sec-Butylbenzene	105		105		70-130	0		30
tert-Butylbenzene	105		105		70-130	0		30
o-Chlorotoluene	104		103		70-130	1		30
p-Chlorotoluene	104		104		70-130	0		30
1,2-Dibromo-3-chloropropane	106		95		68-130	11		30
Hexachlorobutadiene	106		107		67-130	1		30
Isopropylbenzene	105		103		70-130	2		30
p-Isopropyltoluene	109		108		70-130	1		30
Naphthalene	100		99		70-130	1		30
Acrylonitrile	**131**	Q	128		70-130	2		30
n-Propylbenzene	102		102		70-130	0		30
1,2,3-Trichlorobenzene	101		101		70-130	0		30
1,2,4-Trichlorobenzene	103		102		70-130	1		30
1,3,5-Trimethylbenzene	105		105		70-130	0		30
1,2,4-Trimethylbenzene	107		106		70-130	1		30
1,4-Dioxane	98		97		65-136	1		30
p-Diethylbenzene	112		113		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,05,07,09,11 Batch: WG1284957-3 WG1284957-4								
p-Ethyltoluene	109		109		70-130	0		30
1,2,4,5-Tetramethylbenzene	111		112		70-130	1		30
Ethyl ether	100		97		67-130	3		30
trans-1,4-Dichloro-2-butene	115		112		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	94		96		70-130
Dibromofluoromethane	95		97		70-130

SEMIVOLATILES

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-01
Client ID: WC-A2I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 06:28
Analyst: SZ
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	150		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-01 Date Collected: 09/10/19 10:05

Client ID: WC-A2I COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	83	J	ug/kg	110	20.	1
Benzo(a)pyrene	61	J	ug/kg	140	43.	1
Benzo(b)fluoranthene	84	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	95	J	ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	39	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	130		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	40	J	ug/kg	140	25.	1
Pyrene	150		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-01
Client ID: WC-A2I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	1820	J	ug/kg			1
Unknown	346	J	ug/kg			1
Unknown	599	J	ug/kg			1
Unknown Amine	245	J	ug/kg			1
Unknown	628	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	64		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-04
Client ID: WC-A2II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/16/19 22:50
Analyst: SZ
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-04 Date Collected: 09/10/19 10:15

Client ID: WC-A2II COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	78.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-04 Date Collected: 09/10/19 10:15

Client ID: WC-A2II COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1
Tentatively Identified Compounds						
Total TIC Compounds	657	J	ug/kg			1
Unknown	301	J	ug/kg			1
Unknown	172	J	ug/kg			1
Unknown	184	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	107		25-120
Phenol-d6	118		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	111		10-136
4-Terphenyl-d14	72		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-06
Client ID: WC-B1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 04:11
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	46	J	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-06 Date Collected: 09/10/19 12:05

Client ID: WC-B1I COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	24	J	ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	43	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	37	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-06 Date Collected: 09/10/19 12:05

Client ID: WC-B1I COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	794	J	ug/kg			1
Unknown Amide	455	J	ug/kg			1
Unknown	164	J	ug/kg			1
Unknown	175	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	99		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	108		10-136
4-Terphenyl-d14	69		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-08
Client ID: WC-B1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/16/19 23:13
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	ND		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-08 Date Collected: 09/10/19 12:15

Client ID: WC-B1II COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-08 Date Collected: 09/10/19 12:15

Client ID: WC-B1II COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	187	J	ug/kg			1
Unknown Amide	187	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	54		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-10
Client ID: WC-A1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 04:34
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	48	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-10 Date Collected: 09/10/19 11:30

Client ID: WC-A1I COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	29	J	ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	31	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	25	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	23	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	25.	1
Pyrene	41	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-10 Date Collected: 09/10/19 11:30

Client ID: WC-A1I COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	1090	J	ug/kg			1
Unknown	392	J	ug/kg			1
Unknown	331	J	ug/kg			1
Unknown	363	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	62		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-12
Client ID: WC-A1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 03:25
Analyst: SZ
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	34	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-12 Date Collected: 09/10/19 11:45

Client ID: WC-A1II COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	150	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	25.	1
Pyrene	28	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	69.	1
4-Nitrophenol	ND		ug/kg	260	74.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-12
Client ID: WC-A1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	597	J	ug/kg			1
Unknown	309	J	ug/kg			1
Unknown	288	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	56		18-120

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/16/19 21:42
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04,06,08,10,12 Batch: WG1283515-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.
Hexachlorobenzene	ND		ug/kg	100	19.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
1,2-Dichlorobenzene	ND		ug/kg	170	30.
1,3-Dichlorobenzene	ND		ug/kg	170	28.
1,4-Dichlorobenzene	ND		ug/kg	170	29.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	480	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	57.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	31.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/16/19 21:42
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04,06,08,10,12 Batch: WG1283515-1					
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/16/19 21:42
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04,06,08,10,12 Batch: WG1283515-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	16.
1,4-Dioxane	ND		ug/kg	25	7.6
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	98		25-120
Phenol-d6	104		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	119		10-136
4-Terphenyl-d14	89		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1283515-2 WG1283515-3								
Acenaphthene	74		68		31-137	8		50
1,2,4-Trichlorobenzene	80		80		38-107	0		50
Hexachlorobenzene	85		78		40-140	9		50
Bis(2-chloroethyl)ether	72		72		40-140	0		50
2-Chloronaphthalene	84		81		40-140	4		50
1,2-Dichlorobenzene	75		80		40-140	6		50
1,3-Dichlorobenzene	73		78		40-140	7		50
1,4-Dichlorobenzene	73		79		28-104	8		50
3,3'-Dichlorobenzidine	66		63		40-140	5		50
2,4-Dinitrotoluene	90		83		40-132	8		50
2,6-Dinitrotoluene	99		95		40-140	4		50
Fluoranthene	80		72		40-140	11		50
4-Chlorophenyl phenyl ether	77		70		40-140	10		50
4-Bromophenyl phenyl ether	84		76		40-140	10		50
Bis(2-chloroisopropyl)ether	69		69		40-140	0		50
Bis(2-chloroethoxy)methane	78		77		40-117	1		50
Hexachlorobutadiene	81		80		40-140	1		50
Hexachlorocyclopentadiene	58		51		40-140	13		50
Hexachloroethane	75		81		40-140	8		50
Isophorone	82		81		40-140	1		50
Naphthalene	76		75		40-140	1		50
Nitrobenzene	80		81		40-140	1		50
NDPA/DPA	81		75		36-157	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1283515-2 WG1283515-3								
n-Nitrosodi-n-propylamine	80		80		32-121	0		50
Bis(2-ethylhexyl)phthalate	78		71		40-140	9		50
Butyl benzyl phthalate	89		81		40-140	9		50
Di-n-butylphthalate	82		74		40-140	10		50
Di-n-octylphthalate	78		71		40-140	9		50
Diethyl phthalate	84		77		40-140	9		50
Dimethyl phthalate	94		86		40-140	9		50
Benzo(a)anthracene	73		67		40-140	9		50
Benzo(a)pyrene	74		68		40-140	8		50
Benzo(b)fluoranthene	76		72		40-140	5		50
Benzo(k)fluoranthene	79		70		40-140	12		50
Chrysene	73		67		40-140	9		50
Acenaphthylene	86		79		40-140	8		50
Anthracene	77		70		40-140	10		50
Benzo(ghi)perylene	76		69		40-140	10		50
Fluorene	79		74		40-140	7		50
Phenanthrene	73		66		40-140	10		50
Dibenzo(a,h)anthracene	78		70		40-140	11		50
Indeno(1,2,3-cd)pyrene	79		70		40-140	12		50
Pyrene	78		71		35-142	9		50
Biphenyl	83		79		37-127	5		50
4-Chloroaniline	78		67		40-140	15		50
2-Nitroaniline	96		88		47-134	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1283515-2 WG1283515-3								
3-Nitroaniline	68		66		26-129	3		50
4-Nitroaniline	77		72		41-125	7		50
Dibenzofuran	75		71		40-140	5		50
2-Methylnaphthalene	82		79		40-140	4		50
1,2,4,5-Tetrachlorobenzene	84		79		40-117	6		50
Acetophenone	81		81		14-144	0		50
2,4,6-Trichlorophenol	90		83		30-130	8		50
p-Chloro-m-cresol	90		83		26-103	8		50
2-Chlorophenol	82		80		25-102	2		50
2,4-Dichlorophenol	91		86		30-130	6		50
2,4-Dimethylphenol	91		87		30-130	4		50
2-Nitrophenol	90		87		30-130	3		50
4-Nitrophenol	94		85		11-114	10		50
2,4-Dinitrophenol	72		55		4-130	27		50
4,6-Dinitro-o-cresol	92		80		10-130	14		50
Pentachlorophenol	70		62		17-109	12		50
Phenol	79		77		26-90	3		50
2-Methylphenol	83		82		30-130.	1		50
3-Methylphenol/4-Methylphenol	91		88		30-130	3		50
2,4,5-Trichlorophenol	94		87		30-130	8		50
Benzoic Acid	40		25		10-110	46		50
Benzyl Alcohol	83		80		40-140	4		50
Carbazole	78		70		54-128	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1283515-2 WG1283515-3								
1,4-Dioxane	51		59		40-140	15		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		77		25-120
Phenol-d6	78		78		10-120
Nitrobenzene-d5	63		65		23-120
2-Fluorobiphenyl	65		63		30-120
2,4,6-Tribromophenol	89		84		10-136
4-Terphenyl-d14	62		57		18-120

PCBS

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-01
Client ID: WC-A2I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 11:20
Analyst: AWS
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.4	3.06	1	A
Aroclor 1221	ND		ug/kg	34.4	3.45	1	A
Aroclor 1232	ND		ug/kg	34.4	7.30	1	A
Aroclor 1242	ND		ug/kg	34.4	4.64	1	A
Aroclor 1248	ND		ug/kg	34.4	5.16	1	A
Aroclor 1254	ND		ug/kg	34.4	3.76	1	A
Aroclor 1260	ND		ug/kg	34.4	6.36	1	A
Aroclor 1262	ND		ug/kg	34.4	4.37	1	A
Aroclor 1268	ND		ug/kg	34.4	3.56	1	A
PCBs, Total	ND		ug/kg	34.4	3.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-04
Client ID: WC-A2II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 11:32
Analyst: AWS
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.4	3.32	1	A
Aroclor 1221	ND		ug/kg	37.4	3.75	1	A
Aroclor 1232	ND		ug/kg	37.4	7.94	1	A
Aroclor 1242	ND		ug/kg	37.4	5.05	1	A
Aroclor 1248	ND		ug/kg	37.4	5.62	1	A
Aroclor 1254	ND		ug/kg	37.4	4.10	1	A
Aroclor 1260	ND		ug/kg	37.4	6.92	1	A
Aroclor 1262	ND		ug/kg	37.4	4.76	1	A
Aroclor 1268	ND		ug/kg	37.4	3.88	1	A
PCBs, Total	ND		ug/kg	37.4	3.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-06
Client ID: WC-B1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 11:43
Analyst: AWS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.1	3.12	1	A
Aroclor 1221	ND		ug/kg	35.1	3.52	1	A
Aroclor 1232	ND		ug/kg	35.1	7.44	1	A
Aroclor 1242	ND		ug/kg	35.1	4.73	1	A
Aroclor 1248	ND		ug/kg	35.1	5.26	1	A
Aroclor 1254	ND		ug/kg	35.1	3.84	1	A
Aroclor 1260	ND		ug/kg	35.1	6.48	1	A
Aroclor 1262	ND		ug/kg	35.1	4.46	1	A
Aroclor 1268	ND		ug/kg	35.1	3.64	1	A
PCBs, Total	ND		ug/kg	35.1	3.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-08
Client ID: WC-B1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 11:55
Analyst: AWS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	3.16	1	A
Aroclor 1221	ND		ug/kg	35.5	3.56	1	A
Aroclor 1232	ND		ug/kg	35.5	7.54	1	A
Aroclor 1242	ND		ug/kg	35.5	4.79	1	A
Aroclor 1248	ND		ug/kg	35.5	5.33	1	A
Aroclor 1254	ND		ug/kg	35.5	3.89	1	A
Aroclor 1260	ND		ug/kg	35.5	6.57	1	A
Aroclor 1262	ND		ug/kg	35.5	4.51	1	A
Aroclor 1268	ND		ug/kg	35.5	3.68	1	A
PCBs, Total	ND		ug/kg	35.5	3.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-10
Client ID: WC-A1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 12:07
Analyst: AWS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.7	3.08	1	A
Aroclor 1221	ND		ug/kg	34.7	3.47	1	A
Aroclor 1232	ND		ug/kg	34.7	7.35	1	A
Aroclor 1242	ND		ug/kg	34.7	4.67	1	A
Aroclor 1248	ND		ug/kg	34.7	5.20	1	A
Aroclor 1254	ND		ug/kg	34.7	3.79	1	A
Aroclor 1260	ND		ug/kg	34.7	6.41	1	A
Aroclor 1262	ND		ug/kg	34.7	4.40	1	A
Aroclor 1268	ND		ug/kg	34.7	3.59	1	A
PCBs, Total	ND		ug/kg	34.7	3.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-12
Client ID: WC-A1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 12:19
Analyst: AWS
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.3	3.14	1	A
Aroclor 1221	ND		ug/kg	35.3	3.54	1	A
Aroclor 1232	ND		ug/kg	35.3	7.48	1	A
Aroclor 1242	ND		ug/kg	35.3	4.76	1	A
Aroclor 1248	ND		ug/kg	35.3	5.30	1	A
Aroclor 1254	ND		ug/kg	35.3	3.86	1	A
Aroclor 1260	ND		ug/kg	35.3	6.52	1	A
Aroclor 1262	ND		ug/kg	35.3	4.48	1	A
Aroclor 1268	ND		ug/kg	35.3	3.66	1	A
PCBs, Total	ND		ug/kg	35.3	3.14	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/14/19 14:40
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,04,06,08,10,12 Batch: WG1283136-1						
Aroclor 1016	ND		ug/kg	31.5	2.80	A
Aroclor 1221	ND		ug/kg	31.5	3.16	A
Aroclor 1232	ND		ug/kg	31.5	6.68	A
Aroclor 1242	ND		ug/kg	31.5	4.25	A
Aroclor 1248	ND		ug/kg	31.5	4.72	A
Aroclor 1254	ND		ug/kg	31.5	3.45	A
Aroclor 1260	ND		ug/kg	31.5	5.82	A
Aroclor 1262	ND		ug/kg	31.5	4.00	A
Aroclor 1268	ND		ug/kg	31.5	3.26	A
PCBs, Total	ND		ug/kg	31.5	2.80	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	89		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1283136-2 WG1283136-3									
Aroclor 1016	69		72		40-140	4		50	A
Aroclor 1260	83		73		40-140	13		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		73		30-150	A
Decachlorobiphenyl	81		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		68		30-150	B
Decachlorobiphenyl	63		74		30-150	B

PESTICIDES

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-01
Client ID: WC-A2I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 19:06
Analyst: SL
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.322	1	A
Lindane	ND		ug/kg	0.685	0.306	1	A
Alpha-BHC	ND		ug/kg	0.685	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.623	1	A
Heptachlor	ND		ug/kg	0.822	0.368	1	A
Aldrin	ND		ug/kg	1.64	0.579	1	A
Heptachlor epoxide	ND		ug/kg	3.08	0.924	1	A
Endrin	ND		ug/kg	0.685	0.281	1	A
Endrin aldehyde	ND		ug/kg	2.05	0.719	1	A
Endrin ketone	ND		ug/kg	1.64	0.423	1	A
Dieldrin	ND		ug/kg	1.03	0.514	1	A
4,4'-DDE	ND		ug/kg	1.64	0.380	1	A
4,4'-DDD	ND		ug/kg	1.64	0.586	1	A
4,4'-DDT	ND		ug/kg	3.08	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.388	1	A
Endosulfan II	ND		ug/kg	1.64	0.549	1	A
Endosulfan sulfate	ND		ug/kg	0.685	0.326	1	A
Methoxychlor	ND		ug/kg	3.08	0.959	1	A
Toxaphene	ND		ug/kg	30.8	8.63	1	A
cis-Chlordane	ND		ug/kg	2.05	0.572	1	A
trans-Chlordane	ND		ug/kg	2.05	0.542	1	A
Chlordane	ND		ug/kg	13.4	5.44	1	A

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-01 Date Collected: 09/10/19 10:05

Client ID: WC-A2I COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	99		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	89		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-04
Client ID: WC-A2II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 19:17
Analyst: SL
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.346	1	A
Lindane	ND		ug/kg	0.736	0.329	1	A
Alpha-BHC	ND		ug/kg	0.736	0.209	1	A
Beta-BHC	ND		ug/kg	1.77	0.670	1	A
Heptachlor	ND		ug/kg	0.883	0.396	1	A
Aldrin	ND		ug/kg	1.77	0.622	1	A
Heptachlor epoxide	ND		ug/kg	3.31	0.994	1	A
Endrin	ND		ug/kg	0.736	0.302	1	A
Endrin aldehyde	ND		ug/kg	2.21	0.773	1	A
Endrin ketone	ND		ug/kg	1.77	0.455	1	A
Dieldrin	ND		ug/kg	1.10	0.552	1	A
4,4'-DDE	ND		ug/kg	1.77	0.408	1	A
4,4'-DDD	ND		ug/kg	1.77	0.630	1	A
4,4'-DDT	ND		ug/kg	3.31	1.42	1	A
Endosulfan I	ND		ug/kg	1.77	0.417	1	A
Endosulfan II	ND		ug/kg	1.77	0.590	1	A
Endosulfan sulfate	ND		ug/kg	0.736	0.350	1	A
Methoxychlor	ND		ug/kg	3.31	1.03	1	A
Toxaphene	ND		ug/kg	33.1	9.27	1	A
cis-Chlordane	ND		ug/kg	2.21	0.615	1	A
trans-Chlordane	ND		ug/kg	2.21	0.583	1	A
Chlordane	ND		ug/kg	14.4	5.85	1	A

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-04 Date Collected: 09/10/19 10:15

Client ID: WC-A2II COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	99		30-150	B
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	96		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-06
Client ID: WC-B1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 19:28
Analyst: SL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.328	1	A
Lindane	ND		ug/kg	0.697	0.312	1	A
Alpha-BHC	ND		ug/kg	0.697	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.634	1	A
Heptachlor	ND		ug/kg	0.836	0.375	1	A
Aldrin	ND		ug/kg	1.67	0.589	1	A
Heptachlor epoxide	ND		ug/kg	3.14	0.941	1	A
Endrin	ND		ug/kg	0.697	0.286	1	A
Endrin aldehyde	ND		ug/kg	2.09	0.732	1	A
Endrin ketone	ND		ug/kg	1.67	0.431	1	A
Dieldrin	ND		ug/kg	1.04	0.523	1	A
4,4'-DDE	ND		ug/kg	1.67	0.387	1	A
4,4'-DDD	ND		ug/kg	1.67	0.596	1	A
4,4'-DDT	ND		ug/kg	3.14	1.34	1	A
Endosulfan I	ND		ug/kg	1.67	0.395	1	A
Endosulfan II	ND		ug/kg	1.67	0.559	1	A
Endosulfan sulfate	ND		ug/kg	0.697	0.332	1	A
Methoxychlor	ND		ug/kg	3.14	0.976	1	A
Toxaphene	ND		ug/kg	31.4	8.78	1	A
cis-Chlordane	ND		ug/kg	2.09	0.582	1	A
trans-Chlordane	ND		ug/kg	2.09	0.552	1	A
Chlordane	ND		ug/kg	13.6	5.54	1	A

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-06 Date Collected: 09/10/19 12:05

Client ID: WC-B1I COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	96		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-08
Client ID: WC-B1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 19:39
Analyst: SL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.325	1	A
Lindane	ND		ug/kg	0.692	0.309	1	A
Alpha-BHC	ND		ug/kg	0.692	0.196	1	A
Beta-BHC	ND		ug/kg	1.66	0.629	1	A
Heptachlor	ND		ug/kg	0.830	0.372	1	A
Aldrin	ND		ug/kg	1.66	0.584	1	A
Heptachlor epoxide	ND		ug/kg	3.11	0.934	1	A
Endrin	ND		ug/kg	0.692	0.284	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.726	1	A
Endrin ketone	ND		ug/kg	1.66	0.427	1	A
Dieldrin	ND		ug/kg	1.04	0.519	1	A
4,4'-DDE	ND		ug/kg	1.66	0.384	1	A
4,4'-DDD	ND		ug/kg	1.66	0.592	1	A
4,4'-DDT	ND		ug/kg	3.11	1.33	1	A
Endosulfan I	ND		ug/kg	1.66	0.392	1	A
Endosulfan II	ND		ug/kg	1.66	0.555	1	A
Endosulfan sulfate	ND		ug/kg	0.692	0.329	1	A
Methoxychlor	ND		ug/kg	3.11	0.968	1	A
Toxaphene	ND		ug/kg	31.1	8.72	1	A
cis-Chlordane	ND		ug/kg	2.08	0.578	1	A
trans-Chlordane	ND		ug/kg	2.08	0.548	1	A
Chlordane	ND		ug/kg	13.5	5.50	1	A

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-08 Date Collected: 09/10/19 12:15

Client ID: WC-B1II COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		30-150	B
Decachlorobiphenyl	103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	88		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-10
Client ID: WC-A1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 19:51
Analyst: SL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.331	1	A
Lindane	ND		ug/kg	0.705	0.315	1	A
Alpha-BHC	ND		ug/kg	0.705	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.642	1	A
Heptachlor	ND		ug/kg	0.846	0.379	1	A
Aldrin	ND		ug/kg	1.69	0.596	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.952	1	A
Endrin	ND		ug/kg	0.705	0.289	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.740	1	A
Endrin ketone	ND		ug/kg	1.69	0.436	1	A
Dieldrin	ND		ug/kg	1.06	0.529	1	A
4,4'-DDE	ND		ug/kg	1.69	0.391	1	A
4,4'-DDD	ND		ug/kg	1.69	0.603	1	A
4,4'-DDT	ND		ug/kg	3.17	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.400	1	A
Endosulfan II	ND		ug/kg	1.69	0.565	1	A
Endosulfan sulfate	ND		ug/kg	0.705	0.336	1	A
Methoxychlor	ND		ug/kg	3.17	0.987	1	A
Toxaphene	ND		ug/kg	31.7	8.88	1	A
cis-Chlordane	ND		ug/kg	2.11	0.589	1	A
trans-Chlordane	ND		ug/kg	2.11	0.558	1	A
Chlordane	ND		ug/kg	13.7	5.60	1	A

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-10 Date Collected: 09/10/19 11:30

Client ID: WC-A1I COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	104		30-150	B
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	105		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-12
Client ID: WC-A1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 20:02
Analyst: SL
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.328	1	A
Lindane	ND		ug/kg	0.699	0.312	1	A
Alpha-BHC	ND		ug/kg	0.699	0.198	1	A
Beta-BHC	ND		ug/kg	1.68	0.636	1	A
Heptachlor	ND		ug/kg	0.838	0.376	1	A
Aldrin	ND		ug/kg	1.68	0.590	1	A
Heptachlor epoxide	ND		ug/kg	3.14	0.943	1	A
Endrin	ND		ug/kg	0.699	0.286	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.734	1	A
Endrin ketone	ND		ug/kg	1.68	0.432	1	A
Dieldrin	ND		ug/kg	1.05	0.524	1	A
4,4'-DDE	ND		ug/kg	1.68	0.388	1	A
4,4'-DDD	ND		ug/kg	1.68	0.598	1	A
4,4'-DDT	ND		ug/kg	3.14	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.396	1	A
Endosulfan II	ND		ug/kg	1.68	0.560	1	A
Endosulfan sulfate	ND		ug/kg	0.699	0.332	1	A
Methoxychlor	ND		ug/kg	3.14	0.978	1	A
Toxaphene	ND		ug/kg	31.4	8.80	1	A
cis-Chlordane	ND		ug/kg	2.10	0.584	1	A
trans-Chlordane	ND		ug/kg	2.10	0.553	1	A
Chlordane	ND		ug/kg	13.6	5.55	1	A

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-12 Date Collected: 09/10/19 11:45

Client ID: WC-A1II COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	124		30-150	B
Decachlorobiphenyl	115		30-150	B
2,4,5,6-Tetrachloro-m-xylene	118		30-150	A
Decachlorobiphenyl	113		30-150	A

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/19 15:38
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,04,06,08,10,12 Batch: WG1283099-1						
Delta-BHC	ND		ug/kg	1.54	0.301	A
Lindane	ND		ug/kg	0.641	0.286	A
Alpha-BHC	ND		ug/kg	0.641	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.583	A
Heptachlor	ND		ug/kg	0.769	0.345	A
Aldrin	ND		ug/kg	1.54	0.541	A
Heptachlor epoxide	ND		ug/kg	2.88	0.865	A
Endrin	ND		ug/kg	0.641	0.263	A
Endrin aldehyde	ND		ug/kg	1.92	0.673	A
Endrin ketone	ND		ug/kg	1.54	0.396	A
Dieldrin	ND		ug/kg	0.961	0.480	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.548	A
4,4'-DDT	ND		ug/kg	2.88	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.363	A
Endosulfan II	ND		ug/kg	1.54	0.514	A
Endosulfan sulfate	ND		ug/kg	0.641	0.305	A
Methoxychlor	ND		ug/kg	2.88	0.897	A
Toxaphene	ND		ug/kg	28.8	8.07	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.507	A
Chlordane	ND		ug/kg	12.5	5.09	A

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/19 15:38
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,04,06,08,10,12 Batch: WG1283099-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	99		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1283099-2 WG1283099-3									
Delta-BHC	116		111		30-150	4		30	A
Lindane	113		108		30-150	5		30	A
Alpha-BHC	120		115		30-150	4		30	A
Beta-BHC	108		102		30-150	6		30	A
Heptachlor	118		111		30-150	6		30	A
Aldrin	111		104		30-150	7		30	A
Heptachlor epoxide	114		109		30-150	4		30	A
Endrin	124		117		30-150	6		30	A
Endrin aldehyde	97		94		30-150	3		30	A
Endrin ketone	122		117		30-150	4		30	A
Dieldrin	124		118		30-150	5		30	A
4,4'-DDE	117		112		30-150	4		30	A
4,4'-DDD	123		118		30-150	4		30	A
4,4'-DDT	127		122		30-150	4		30	A
Endosulfan I	108		103		30-150	5		30	A
Endosulfan II	119		114		30-150	4		30	A
Endosulfan sulfate	120		114		30-150	5		30	A
Methoxychlor	111		110		30-150	1		30	A
cis-Chlordane	94		90		30-150	4		30	A
trans-Chlordane	93		93		30-150	0		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1283099-2 WG1283099-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		114		30-150	B
Decachlorobiphenyl	109		113		30-150	B
2,4,5,6-Tetrachloro-m-xylene	112		108		30-150	A
Decachlorobiphenyl	99		108		30-150	A

METALS

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-01
Client ID: WC-A2I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17300		mg/kg	8.39	2.27	2	09/15/19 18:10	09/17/19 10:57	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.20	0.319	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Arsenic, Total	0.386	J	mg/kg	0.839	0.174	2	09/15/19 18:10	09/17/19 10:57	EPA 3050B	1,6010D	LC
Barium, Total	195		mg/kg	0.839	0.146	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.420	0.028	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Cadmium, Total	0.462	J	mg/kg	0.839	0.082	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Calcium, Total	4880		mg/kg	8.39	2.94	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Chromium, Total	36.8		mg/kg	0.839	0.081	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Cobalt, Total	21.6		mg/kg	1.68	0.139	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Copper, Total	83.2		mg/kg	0.839	0.216	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Iron, Total	32200		mg/kg	4.20	0.758	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Lead, Total	8.89		mg/kg	4.20	0.225	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Magnesium, Total	8360		mg/kg	8.39	1.29	2	09/15/19 18:10	09/17/19 10:57	EPA 3050B	1,6010D	LC
Manganese, Total	585		mg/kg	0.839	0.133	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.069	0.045	1	09/14/19 09:00	09/14/19 16:14	EPA 7471B	1,7471B	AL
Nickel, Total	37.6		mg/kg	2.10	0.203	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Potassium, Total	10900		mg/kg	210	12.1	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Selenium, Total	0.352	J	mg/kg	1.68	0.216	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.839	0.238	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Sodium, Total	279		mg/kg	168	2.64	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.68	0.264	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Vanadium, Total	62.0		mg/kg	0.839	0.170	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Zinc, Total	118		mg/kg	4.20	0.246	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-04
Client ID: WC-A2II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12800		mg/kg	9.00	2.43	2	09/15/19 18:10	09/17/19 11:01	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.50	0.342	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.900	0.187	2	09/15/19 18:10	09/17/19 11:01	EPA 3050B	1,6010D	LC
Barium, Total	162		mg/kg	0.900	0.156	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.450	0.030	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Cadmium, Total	0.270	J	mg/kg	0.900	0.088	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Calcium, Total	863		mg/kg	9.00	3.15	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Chromium, Total	49.7		mg/kg	0.900	0.086	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Cobalt, Total	13.6		mg/kg	1.80	0.149	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Copper, Total	36.7		mg/kg	0.900	0.232	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Iron, Total	22500		mg/kg	4.50	0.813	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Lead, Total	5.90		mg/kg	4.50	0.241	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Magnesium, Total	6340		mg/kg	9.00	1.38	2	09/15/19 18:10	09/17/19 11:01	EPA 3050B	1,6010D	LC
Manganese, Total	296		mg/kg	0.900	0.143	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.073	0.048	1	09/14/19 09:00	09/14/19 16:24	EPA 7471B	1,7471B	AL
Nickel, Total	62.5		mg/kg	2.25	0.218	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Potassium, Total	8300		mg/kg	225	13.0	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.80	0.232	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.900	0.255	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Sodium, Total	276		mg/kg	180	2.83	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.80	0.283	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Vanadium, Total	42.6		mg/kg	0.900	0.183	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Zinc, Total	59.8		mg/kg	4.50	0.264	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-06
Client ID: WC-B1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9180		mg/kg	8.55	2.31	2	09/15/19 18:10	09/17/19 11:05	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.27	0.325	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Arsenic, Total	1.08		mg/kg	0.855	0.178	2	09/15/19 18:10	09/17/19 11:05	EPA 3050B	1,6010D	LC
Barium, Total	63.4		mg/kg	0.855	0.149	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.427	0.028	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Cadmium, Total	0.196	J	mg/kg	0.855	0.084	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Calcium, Total	462		mg/kg	8.55	2.99	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Chromium, Total	20.1		mg/kg	0.855	0.082	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Cobalt, Total	7.99		mg/kg	1.71	0.142	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Copper, Total	20.6		mg/kg	0.855	0.220	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Iron, Total	13800		mg/kg	4.27	0.772	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Lead, Total	4.60		mg/kg	4.27	0.229	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Magnesium, Total	2220		mg/kg	8.55	1.32	2	09/15/19 18:10	09/17/19 11:05	EPA 3050B	1,6010D	LC
Manganese, Total	374		mg/kg	0.855	0.136	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.069	0.045	1	09/14/19 09:00	09/14/19 16:27	EPA 7471B	1,7471B	AL
Nickel, Total	60.1		mg/kg	2.14	0.207	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Potassium, Total	2270		mg/kg	214	12.3	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.71	0.220	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.855	0.242	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Sodium, Total	404		mg/kg	171	2.69	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.71	0.269	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Vanadium, Total	23.3		mg/kg	0.855	0.174	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Zinc, Total	27.3		mg/kg	4.27	0.250	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC

Project Name: Not Specified
Lab Number: L1941307
Project Number: 10567
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-08
Client ID: WC-B1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7780		mg/kg	8.42	2.27	2	09/15/19 18:10	09/17/19 11:10	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.21	0.320	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Arsenic, Total	0.800	J	mg/kg	0.842	0.175	2	09/15/19 18:10	09/17/19 11:10	EPA 3050B	1,6010D	LC
Barium, Total	57.2		mg/kg	0.842	0.146	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Beryllium, Total	0.059	J	mg/kg	0.421	0.028	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Cadmium, Total	0.160	J	mg/kg	0.842	0.083	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Calcium, Total	479		mg/kg	8.42	2.95	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Chromium, Total	29.9		mg/kg	0.842	0.081	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Cobalt, Total	8.08		mg/kg	1.68	0.140	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Copper, Total	16.8		mg/kg	0.842	0.217	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Iron, Total	14900		mg/kg	4.21	0.761	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Lead, Total	3.52	J	mg/kg	4.21	0.226	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Magnesium, Total	1800		mg/kg	8.42	1.30	2	09/15/19 18:10	09/17/19 11:10	EPA 3050B	1,6010D	LC
Manganese, Total	507		mg/kg	0.842	0.134	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.069	0.045	1	09/14/19 09:00	09/14/19 16:30	EPA 7471B	1,7471B	AL
Nickel, Total	47.8		mg/kg	2.11	0.204	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Potassium, Total	1930		mg/kg	211	12.1	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.68	0.217	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.842	0.238	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Sodium, Total	248		mg/kg	168	2.65	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.68	0.265	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Vanadium, Total	20.9		mg/kg	0.842	0.171	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Zinc, Total	20.7		mg/kg	4.21	0.247	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-10
Client ID: WC-A1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17500		mg/kg	8.55	2.31	2	09/15/19 18:10	09/17/19 11:14	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.27	0.325	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.855	0.178	2	09/15/19 18:10	09/17/19 11:14	EPA 3050B	1,6010D	LC
Barium, Total	159		mg/kg	0.855	0.149	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.427	0.028	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Cadmium, Total	0.282	J	mg/kg	0.855	0.084	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Calcium, Total	2090		mg/kg	8.55	2.99	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Chromium, Total	45.0		mg/kg	0.855	0.082	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Cobalt, Total	22.4		mg/kg	1.71	0.142	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Copper, Total	37.5		mg/kg	0.855	0.220	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Iron, Total	27700		mg/kg	4.27	0.772	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Lead, Total	6.52		mg/kg	4.27	0.229	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Magnesium, Total	8490		mg/kg	8.55	1.32	2	09/15/19 18:10	09/17/19 11:14	EPA 3050B	1,6010D	LC
Manganese, Total	536		mg/kg	0.855	0.136	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.069	0.045	1	09/14/19 09:00	09/14/19 16:34	EPA 7471B	1,7471B	AL
Nickel, Total	36.8		mg/kg	2.14	0.207	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Potassium, Total	9400		mg/kg	214	12.3	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.71	0.220	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.855	0.242	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Sodium, Total	169	J	mg/kg	171	2.69	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.71	0.269	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Vanadium, Total	50.7		mg/kg	0.855	0.173	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Zinc, Total	79.4		mg/kg	4.27	0.250	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-12
Client ID: WC-A1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	16000		mg/kg	8.66	2.34	2	09/15/19 18:10	09/17/19 11:18	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.33	0.329	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.866	0.180	2	09/15/19 18:10	09/17/19 11:18	EPA 3050B	1,6010D	LC
Barium, Total	176		mg/kg	0.866	0.151	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.433	0.029	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Cadmium, Total	0.364	J	mg/kg	0.866	0.085	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Calcium, Total	1030		mg/kg	8.66	3.03	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Chromium, Total	61.1		mg/kg	0.866	0.083	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Cobalt, Total	19.6		mg/kg	1.73	0.144	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Copper, Total	53.6		mg/kg	0.866	0.223	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Iron, Total	29400		mg/kg	4.33	0.782	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Lead, Total	7.12		mg/kg	4.33	0.232	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Magnesium, Total	8430		mg/kg	8.66	1.33	2	09/15/19 18:10	09/17/19 11:18	EPA 3050B	1,6010D	LC
Manganese, Total	526		mg/kg	0.866	0.138	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.070	0.046	1	09/14/19 09:00	09/14/19 16:37	EPA 7471B	1,7471B	AL
Nickel, Total	129		mg/kg	2.16	0.210	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Potassium, Total	9360		mg/kg	216	12.5	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.73	0.223	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.866	0.245	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Sodium, Total	431		mg/kg	173	2.73	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.73	0.273	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Vanadium, Total	48.2		mg/kg	0.866	0.176	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Zinc, Total	70.1		mg/kg	4.33	0.254	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,04,06,08,10,12 Batch: WG1284160-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/14/19 09:00	09/14/19 15:08	1,7471B	AL

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,04,06,08,10,12 Batch: WG1284383-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Barium, Total	ND		mg/kg	0.400	0.070	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Iron, Total	0.912	J	mg/kg	2.00	0.361	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Lead, Total	ND		mg/kg	2.00	0.107	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Manganese, Total	0.072	J	mg/kg	0.400	0.064	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Potassium, Total	ND		mg/kg	100	5.76	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Silver, Total	ND		mg/kg	0.400	0.113	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Sodium, Total	4.11	J	mg/kg	80.0	1.26	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1284160-2 SRM Lot Number: D105-540								
Mercury, Total	89		-		60-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1284383-2 SRM Lot Number: D105-540					
Aluminum, Total	60	-	51-149	-	
Antimony, Total	149	-	19-249	-	
Arsenic, Total	94	-	70-130	-	
Barium, Total	81	-	75-125	-	
Beryllium, Total	87	-	75-125	-	
Cadmium, Total	96	-	75-125	-	
Calcium, Total	79	-	73-127	-	
Chromium, Total	84	-	70-130	-	
Cobalt, Total	90	-	75-125	-	
Copper, Total	86	-	75-125	-	
Iron, Total	75	-	38-162	-	
Lead, Total	86	-	71-128	-	
Magnesium, Total	78	-	63-137	-	
Manganese, Total	84	-	76-124	-	
Nickel, Total	92	-	70-131	-	
Potassium, Total	73	-	60-140	-	
Selenium, Total	89	-	63-137	-	
Silver, Total	83	-	69-131	-	
Sodium, Total	97	-	37-162	-	
Thallium, Total	93	-	68-132	-	
Vanadium, Total	85	-	65-135	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1284383-2 SRM Lot Number: D105-540					
Zinc, Total	90	-	70-130	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,04,06,08,10,12 QC Batch ID: WG1284160-3 WG1284160-4 QC Sample: L1941076-03 Client ID: MS Sample												
Mercury, Total	ND	0.131	0.150	114		0.147	113		80-120	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,04,06,08,10,12 QC Batch ID: WG1284383-3 WG1284383-4 QC Sample: L1940021-03 Client ID: MS Sample											
Aluminum, Total	10700	210	11800	**523**	Q	11300	**294**	Q	75-125	4	20
Antimony, Total	0.595J	52.5	38.0	**72**	Q	36.5	**72**	Q	75-125	4	20
Arsenic, Total	12.7	12.6	25.8	104		27.8	124		75-125	7	20
Barium, Total	94.2	210	274	86		266	84		75-125	3	20
Beryllium, Total	0.667	5.25	5.10	84		4.89	83		75-125	4	20
Cadmium, Total	0.300J	5.36	4.90	91		4.63	89		75-125	6	20
Calcium, Total	1780	1050	2660	84		2530	**74**	Q	75-125	5	20
Chromium, Total	13.6	21	32.0	88		30.3	82		75-125	5	20
Cobalt, Total	8.48	52.5	50.9	81		48.8	79		75-125	4	20
Copper, Total	15.5	26.3	37.4	83		37.5	86		75-125	0	20
Iron, Total	32800	105	35900	**2950**	Q	39800	**6870**	Q	75-125	10	20
Lead, Total	12.9	53.6	54.0	77		54.8	81		75-125	1	20
Magnesium, Total	3270	1050	4230	91		4010	**73**	Q	75-125	5	20
Manganese, Total	222	52.5	248	**49**	Q	225	**6**	Q	75-125	10	20
Nickel, Total	20.2	52.5	64.4	84		61.3	81		75-125	5	20
Potassium, Total	741	1050	1640	86		1530	77		75-125	7	20
Selenium, Total	ND	12.6	10.4	82		9.72	80		75-125	7	20
Silver, Total	ND	31.5	26.6	84		25.6	84		75-125	4	20
Sodium, Total	27.8J	1050	903	86		860	84		75-125	5	20
Thallium, Total	0.186J	12.6	9.91	78		9.30	76		75-125	6	20
Vanadium, Total	19.2	52.5	63.8	85		62.2	84		75-125	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,04,06,08,10,12 QC Batch ID: WG1284383-3 WG1284383-4 QC Sample: L1940021-03 Client ID: MS Sample									
Zinc, Total	55.6	52.5	103	90	99.1	85	75-125	4	20

INORGANICS
&
MISCELLANEOUS

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-01
Client ID: WC-A2I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	09/11/19 14:10	09/11/19 16:52	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-02
Client ID: WC-A2I GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:00
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.8		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-03
Client ID: WC-A2II GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-04
Client ID: WC-A2II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.2		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	09/11/19 14:10	09/11/19 16:56	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-05
Client ID: WC-B1I GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:00
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-06
Client ID: WC-B1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/11/19 16:20	09/12/19 12:18	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-07
Client ID: WC-B1II GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-08
Client ID: WC-B1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.1		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/11/19 16:20	09/12/19 12:21	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-09
Client ID: WC-A1I GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:25
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-10
Client ID: WC-A1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.7		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/11/19 16:20	09/12/19 12:22	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-11
Client ID: WC-A1II GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.7		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-12
Client ID: WC-A1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.8		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/11/19 16:20	09/12/19 12:23	1,9010C/9012B	LH

Project Name:

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01,04 Batch: WG1282839-1										
Cyanide, Total	ND		mg/kg	0.93	0.20	1	09/11/19 14:10	09/11/19 16:44	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 06,08,10,12 Batch: WG1282897-1										
Cyanide, Total	ND		mg/kg	0.93	0.20	1	09/11/19 16:20	09/12/19 12:08	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG1282839-2 WG1282839-3								
Cyanide, Total	93		81		80-120	14		35
General Chemistry - Westborough Lab Associated sample(s): 06,08,10,12 Batch: WG1282897-2 WG1282897-3								
Cyanide, Total	93		80		80-120	15		35

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG1282839-4 WG1282839-5 QC Sample: L1941291-01 Client ID: MS Sample												
Cyanide, Total	ND	10	10	98		9.7	100		75-125	3		35
General Chemistry - Westborough Lab Associated sample(s): 06,08,10,12 QC Batch ID: WG1282897-4 WG1282897-5 QC Sample: L1941307-06 Client ID: WC-B1I COMP												
Cyanide, Total	ND	11	11	100		10	100		75-125	10		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG1282814-1 QC Sample: L1940970-01 Client ID: DUP Sample						
Solids, Total	97.9	97.4	%	1		20

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941307-01A	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941307-01B	Glass 120ml unpreserved split	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941307-02A	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1941307-02B	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1941307-02C	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1941307-02D	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		TS(7)
L1941307-02X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1941307-02Y	Vial Water preserved split	A	NA		4.4	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-02Z	Vial Water preserved split	A	NA		4.4	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-03A	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1941307-03B	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1941307-03C	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1941307-03D	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		TS(7)
L1941307-03X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1941307-03Y	Vial Water preserved split	A	NA		4.4	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-03Z	Vial Water preserved split	A	NA		4.4	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-04A	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941307-04B	Glass 60ml unpreserved split	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941307-05A	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-05B	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-05C	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-05D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L1941307-05X	Vial MeOH preserved split	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-05Y	Vial Water preserved split	B	NA		2.8	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-05Z	Vial Water preserved split	B	NA		2.8	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-06A	Glass 500ml/16oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941307-06B	Glass 60ml unpreserved split	B	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941307-07A	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-07B	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-07C	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-07D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L1941307-07X	Vial MeOH preserved split	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-07Y	Vial Water preserved split	B	NA		2.8	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-07Z	Vial Water preserved split	B	NA		2.8	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-08A	Glass 500ml/16oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941307-08B	Glass 60ml unpreserved split	B	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941307-09A	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941307-09B	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-09C	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-09D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L1941307-09X	Vial MeOH preserved split	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-09Y	Vial Water preserved split	B	NA		2.8	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-09Z	Vial Water preserved split	B	NA		2.8	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-10A	Glass 500ml/16oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941307-10B	Glass 60ml unpreserved split	B	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941307-11A	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-11B	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-11C	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-11D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L1941307-11X	Vial MeOH preserved split	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-11Y	Vial Water preserved split	B	NA		2.8	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-11Z	Vial Water preserved split	B	NA		2.8	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-12A	Glass 500ml/16oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941307-12B	Glass 60ml unpreserved split	B	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	Not Specified	**Lab Number:**	L1941307
Project Number:	10567	**Report Date:**	09/17/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	Not Specified	**Lab Number:**	L1941307
Project Number:	10567	**Report Date:**	09/17/19

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

Terms

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	Not Specified	**Lab Number:**	L1941307
Project Number:	10567	**Report Date:**	09/17/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 9/11/19

ALPHA Job #: L1941307

Client Information
Client: Sesi
Address: 12a Maple ave
Pine Brook, NJ
Phone: 973 808 9050
Fax:
Email: JAM@sesi.org

Project Information
Project Name:
Project Location: 33 Centre ave, New Rochelle, NY
Project # 10567
(Use Project name as Project #) ☒
Project Manager: Jesse Mausner
ALPHAQuote #:

Turn-Around Time
Standard ☒ 1 week Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other email/excel

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO # 10567 Phase I

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS
TCL+30/TAL (Nov only)
VOCs

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+30/TAL (Nov only)	VOCs
41307-01	WC-A2i comp	9/10/19	1005	SO:1	JCS	X	
02	WC-A2i grab		1000				X
03	WC-A2ii grab		1010				X
-04	WC-A2ii comp		1015			X	
05	WC-B1i grab		1200				X
-06	WC-B1i comp		1205			X	
07	WC-B1ii grab		1210				X
-08	WC-B1ii comp		1215			X	
09	WC-A1i grab		1125				X
-10	WC-A1i comp		1130			X	

Container Type: 6 E
Preservative: A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	9/10/19		09/10/19 15:22
	09/10/19 17:36		9/10/19 1935
	9/11/19 0015		9/11/19 0015

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 2 of 2

Date Rec'd in Lab: 9/11/19

ALPHA Job #: L1941307

Client Information
Client: SESI
Address: 12a Maple ave
Pine Brook, NJ
Phone: 973 808 9050
Fax:
Email: JAM@sesi.org

Project Information
Project Name:
Project Location: 33 Center ave, New Rochelle, NY
Project #: 10567
(Use Project name as Project #): X
Project Manager: Jesse Mausner
ALPHAQuote #:

Turn-Around Time
Standard: X 1 week Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other email/excel

Billing Information
X Same as Client Info
PO # 10567 phase 1

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
X NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+30/1,4-D (60)	VOCs	Total Bottle
41307 -11	WC-A1+1 grab	9/10/19	1140	Soil	JCS		X	
-12	WC-A1iiiomD	↓	1145	↓	↓	X		

Sample Specific Comments

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	6	E										
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
	9/10/19		
	09/10/19 17:36		09/11/19 13:22
JSAC	9/11/19 0015	JSAC	9/11/19 0015

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1941584
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	33 CENTRE AVE
Project Number:	10567 PHASE3.1
Report Date:	10/18/19

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

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

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

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1941584-01	WC-A-3 (0-5)	SOIL	NEW ROCHELLE, NY	09/11/19 09:00	09/11/19
L1941584-02	WC-A-4 (0-6)	SOIL	NEW ROCHELLE, NY	09/11/19 09:30	09/11/19
L1941584-03	WC-B-4 (0-5)	SOIL	NEW ROCHELLE, NY	09/11/19 12:40	09/11/19
L1941584-04	B-4 (4-5)	SOIL	NEW ROCHELLE, NY	09/11/19 09:10	09/11/19
L1941584-05	B-4 (7-8)	SOIL	NEW ROCHELLE, NY	09/11/19 09:05	09/11/19
L1941584-06	WC-B-3 (0-5)	SOIL	NEW ROCHELLE, NY	09/11/19 10:30	09/11/19
L1941584-07	B-9 (3-4)	SOIL	NEW ROCHELLE, NY	09/11/19 09:40	09/11/19
L1941584-08	B-9 (6-7)	SOIL	NEW ROCHELLE, NY	09/11/19 09:45	09/11/19
L1941584-09	B-14 (8-9)	SOIL	NEW ROCHELLE, NY	09/11/19 10:45	09/11/19
L1941584-10	B-14 (2-3)	SOIL	NEW ROCHELLE, NY	09/11/19 10:40	09/11/19
L1941584-11	B-13 (3-4)	SOIL	NEW ROCHELLE, NY	09/11/19 11:00	09/11/19
L1941584-12	B-13 (6-7)	SOIL	NEW ROCHELLE, NY	09/11/19 11:05	09/11/19
L1941584-13	B-8 (4-5)	SOIL	NEW ROCHELLE, NY	09/11/19 12:00	09/11/19
L1941584-14	B-8 (5-6)	SOIL	NEW ROCHELLE, NY	09/11/19 12:05	09/11/19
L1941584-15	B-3 (4-5)	SOIL	NEW ROCHELLE, NY	09/11/19 12:15	09/11/19
L1941584-16	B-3 (6-7)	SOIL	NEW ROCHELLE, NY	09/11/19 12:20	09/11/19
L1941584-17	DUP	SOIL	NEW ROCHELLE, NY	09/11/19 00:00	09/11/19

Project Name:	33 CENTRE AVE	**Lab Number:**	L1941584
Project Number:	10567 PHASE3.1	**Report Date:**	10/18/19

Case Narrative

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

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

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

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

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

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

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Case Narrative (continued)

Report Submission

October 18, 2019: This final report includes the results of all requested analyses.

October 02, 2019: This is a preliminary report.

September 18, 2019: This is a preliminary report.

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

Sample Receipt

L1941584-17: A sample identified as "DUP" was received but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

Volatile Organics

L1941584-02, -05, -07, and -13 through -17 were analyzed as a High Level Methanol in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies. Further re-analysis could not be performed due to the existing vials being compromised.

Semivolatile Organics

L1941584-04: The sample has elevated detection limits due to the dilution required by the sample matrix.

L1941584-04: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%), and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Perfluorinated Alkyl Acids by Isotope Dilution

Project Name: 33 CENTRE AVE **Lab Number:** L1941584
Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

Case Narrative (continued)

The WG1288952-3 LCSD recovery, associated with L1941584-04, -05, -07 through -10, and -17, is above the acceptance criteria for perfluorooctanesulfonamide (fosa) (218%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported. The LCS/LCSD RPD is above the acceptance criteria for perfluorooctanesulfonamide (fosa) (51%).
WG1290269-3: The continuing calibration standard had the response for 8:2 FTS outside the acceptance criteria for the method. This value represents less than 10% of all compounds; therefore, the calibration was accepted.

Pesticides
L1941584-15: The surrogate recoveries are outside the acceptance criteria for decachlorobiphenyl (399%/12800%); however, the sample was not re-extracted due to coelution with obvious interferences.

Total Metals
L1941584-01 through -17: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.
The WG1284789-3 MS recoveries for aluminum (336%), calcium (0%), iron (0%), and magnesium (0%), performed on L1941584-01, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG1284789-3 MS recoveries, performed on L1941584-01, are outside the acceptance criteria for barium (57%), chromium (74%), potassium (126%), and zinc (25%). A post digestion spike was performed and was within acceptance criteria.
The WG1284870-3 MS recovery, performed on L1941584-01, is outside the acceptance criteria for mercury (63%). A post digestion spike was performed and was within acceptance criteria.
The WG1284789-4 Laboratory Duplicate RPDs for barium (40%), calcium (70%), magnesium (67%), potassium (21%), and zinc (28%), performed on L1941584-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.
The WG1284870-4 Laboratory Duplicate RPD for mercury (22%), performed on L1941584-01, is outside the

Project Name: 33 CENTRE AVE **Lab Number:** L1941584
Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

Case Narrative (continued)

acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

Cyanide, Total
The WG1283363-2/-3 LCS/LCSD recoveries (52%/60%), associated with L1941584-01 through -10, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.
The WG1283364-2/-3 LCS/LCSD recoveries (51%/61%), associated with L1941584-11 through -16, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.
The WG1284337-2/-3 LCS/LCSD recoveries (54%/72%), associated with L1941584-17, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported. The LCS/LCSD RPD (44%) is above the acceptance criteria.
WG1283364: A Matrix Spike and Matrix Spike Duplicate were prepared with the sample batch, however, the native sample was not available for reporting; therefore, the Matrix Spike and Matrix Spike Duplicate results could not be reported.

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

Authorized Signature: Caitlin Walukevich

Title: Technical Director/Representative Date: 10/18/19

ORGANICS

VOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 20:17
Analyst: NLK
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.15	1
Chloroform	0.21	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	0.38	J	ug/kg	1.6	0.15	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	1.0	J	ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	0.38	J	ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	240		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.8	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.69	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	85	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

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

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 20:44
Analyst: NLK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	0.24	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	0.22	J	ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	0.44	J	ug/kg	1.6	0.15	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	1.1	J	ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	0.44	J	ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	350	E	ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	5.0	J	ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.71	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	87	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1
Tentatively Identified Compounds						
Total TIC Compounds	4.71	J	ug/kg			1
Unknown Alkane	2.29	J	ug/kg			1
Unknown	2.42	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 18:37
Analyst: NLK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	360	160	1
1,1-Dichloroethane	ND		ug/kg	71	10.	1
Chloroform	ND		ug/kg	110	10.	1
Carbon tetrachloride	ND		ug/kg	71	16.	1
1,2-Dichloropropane	ND		ug/kg	71	8.9	1
Dibromochloromethane	ND		ug/kg	71	10.	1
1,1,2-Trichloroethane	ND		ug/kg	71	19.	1
Tetrachloroethene	ND		ug/kg	36	14.	1
Chlorobenzene	ND		ug/kg	36	9.0	1
Trichlorofluoromethane	ND		ug/kg	280	50.	1
1,2-Dichloroethane	ND		ug/kg	71	18.	1
1,1,1-Trichloroethane	ND		ug/kg	36	12.	1
Bromodichloromethane	ND		ug/kg	36	7.8	1
trans-1,3-Dichloropropene	ND		ug/kg	71	19.	1
cis-1,3-Dichloropropene	ND		ug/kg	36	11.	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	36	11.	1
Bromoform	ND		ug/kg	280	18.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	36	12.	1
Benzene	ND		ug/kg	36	12.	1
Toluene	ND		ug/kg	71	39.	1
Ethylbenzene	ND		ug/kg	71	10.	1
Chloromethane	ND		ug/kg	280	66.	1
Bromomethane	ND		ug/kg	140	41.	1
Vinyl chloride	ND		ug/kg	71	24.	1
Chloroethane	ND		ug/kg	140	32.	1
1,1-Dichloroethene	ND		ug/kg	71	17.	1
trans-1,2-Dichloroethene	ND		ug/kg	110	9.8	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02 Date Collected: 09/11/19 09:30

Client ID: WC-A-4 (0-6) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	36	9.8	1
1,2-Dichlorobenzene	ND		ug/kg	140	10.	1
1,3-Dichlorobenzene	ND		ug/kg	140	10.	1
1,4-Dichlorobenzene	ND		ug/kg	140	12.	1
Methyl tert butyl ether	ND		ug/kg	140	14.	1
p/m-Xylene	ND		ug/kg	140	40.	1
o-Xylene	ND		ug/kg	71	21.	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	71	12.	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	140	17.	1
Styrene	ND		ug/kg	71	14.	1
Dichlorodifluoromethane	ND		ug/kg	710	65.	1
Acetone	ND		ug/kg	710	340	1
Carbon disulfide	ND		ug/kg	710	320	1
2-Butanone	ND		ug/kg	710	160	1
Vinyl acetate	ND		ug/kg	710	150	1
4-Methyl-2-pentanone	ND		ug/kg	710	91.	1
1,2,3-Trichloropropane	ND		ug/kg	140	9.0	1
2-Hexanone	ND		ug/kg	710	84.	1
Bromochloromethane	ND		ug/kg	140	15.	1
2,2-Dichloropropane	ND		ug/kg	140	14.	1
1,2-Dibromoethane	ND		ug/kg	71	20.	1
1,3-Dichloropropane	ND		ug/kg	140	12.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	36	9.4	1
Bromobenzene	ND		ug/kg	140	10.	1
n-Butylbenzene	ND		ug/kg	71	12.	1
sec-Butylbenzene	ND		ug/kg	71	10.	1
tert-Butylbenzene	ND		ug/kg	140	8.4	1
o-Chlorotoluene	ND		ug/kg	140	14.	1
p-Chlorotoluene	ND		ug/kg	140	7.7	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	210	71.	1
Hexachlorobutadiene	ND		ug/kg	280	12.	1
Isopropylbenzene	ND		ug/kg	71	7.8	1
p-Isopropyltoluene	ND		ug/kg	71	7.8	1
Naphthalene	ND		ug/kg	280	46.	1
Acrylonitrile	ND		ug/kg	280	82.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	71	12.	1
1,2,3-Trichlorobenzene	ND		ug/kg	140	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	140	19.	1
1,3,5-Trimethylbenzene	ND		ug/kg	140	14.	1
1,2,4-Trimethylbenzene	ND		ug/kg	140	24.	1
1,4-Dioxane	ND		ug/kg	5700	2500	1
p-Diethylbenzene	ND		ug/kg	140	13.	1
p-Ethyltoluene	ND		ug/kg	140	27.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	140	14.	1
Ethyl ether	ND		ug/kg	140	24.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	360	100	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	94		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 21:10
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	0.22	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	0.28	J	ug/kg	1.6	0.15	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	0.96	J	ug/kg	2.1	0.22	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	0.28	J	ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	210		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.13	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 22:43
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	380	170	1
1,1-Dichloroethane	ND		ug/kg	76	11.	1
Chloroform	14	J	ug/kg	110	11.	1
Carbon tetrachloride	ND		ug/kg	76	18.	1
1,2-Dichloropropane	ND		ug/kg	76	9.5	1
Dibromochloromethane	ND		ug/kg	76	11.	1
1,1,2-Trichloroethane	ND		ug/kg	76	20.	1
Tetrachloroethene	ND		ug/kg	38	15.	1
Chlorobenzene	ND		ug/kg	38	9.7	1
Trichlorofluoromethane	ND		ug/kg	300	53.	1
1,2-Dichloroethane	ND		ug/kg	76	20.	1
1,1,1-Trichloroethane	ND		ug/kg	38	13.	1
Bromodichloromethane	ND		ug/kg	38	8.3	1
trans-1,3-Dichloropropene	ND		ug/kg	76	21.	1
cis-1,3-Dichloropropene	ND		ug/kg	38	12.	1
1,3-Dichloropropene, Total	ND		ug/kg	38	12.	1
1,1-Dichloropropene	ND		ug/kg	38	12.	1
Bromoform	ND		ug/kg	300	19.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	38	13.	1
Benzene	13	J	ug/kg	38	13.	1
Toluene	98		ug/kg	76	41.	1
Ethylbenzene	100		ug/kg	76	11.	1
Chloromethane	ND		ug/kg	300	71.	1
Bromomethane	ND		ug/kg	150	44.	1
Vinyl chloride	ND		ug/kg	76	26.	1
Chloroethane	ND		ug/kg	150	34.	1
1,1-Dichloroethene	ND		ug/kg	76	18.	1
trans-1,2-Dichloroethene	ND		ug/kg	110	10.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	38	10.	1
1,2-Dichlorobenzene	ND		ug/kg	150	11.	1
1,3-Dichlorobenzene	ND		ug/kg	150	11.	1
1,4-Dichlorobenzene	88	J	ug/kg	150	13.	1
Methyl tert butyl ether	ND		ug/kg	150	15.	1
p/m-Xylene	170		ug/kg	150	43.	1
o-Xylene	57	J	ug/kg	76	22.	1
Xylenes, Total	230	J	ug/kg	76	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	76	13.	1
1,2-Dichloroethene, Total	ND		ug/kg	76	10.	1
Dibromomethane	ND		ug/kg	150	18.	1
Styrene	ND		ug/kg	76	15.	1
Dichlorodifluoromethane	ND		ug/kg	760	70.	1
Acetone	ND		ug/kg	760	370	1
Carbon disulfide	ND		ug/kg	760	350	1
2-Butanone	ND		ug/kg	760	170	1
Vinyl acetate	ND		ug/kg	760	160	1
4-Methyl-2-pentanone	ND		ug/kg	760	98.	1
1,2,3-Trichloropropane	ND		ug/kg	150	9.7	1
2-Hexanone	ND		ug/kg	760	90.	1
Bromochloromethane	ND		ug/kg	150	16.	1
2,2-Dichloropropane	ND		ug/kg	150	15.	1
1,2-Dibromoethane	ND		ug/kg	76	21.	1
1,3-Dichloropropane	ND		ug/kg	150	13.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	38	10.	1
Bromobenzene	ND		ug/kg	150	11.	1
n-Butylbenzene	220		ug/kg	76	13.	1
sec-Butylbenzene	210		ug/kg	76	11.	1
tert-Butylbenzene	12	J	ug/kg	150	9.0	1
o-Chlorotoluene	ND		ug/kg	150	14.	1
p-Chlorotoluene	ND		ug/kg	150	8.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	230	76.	1
Hexachlorobutadiene	ND		ug/kg	300	13.	1
Isopropylbenzene	36	J	ug/kg	76	8.3	1
p-Isopropyltoluene	27	J	ug/kg	76	8.3	1
Naphthalene	1000		ug/kg	300	50.	1
Acrylonitrile	ND		ug/kg	300	88.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	120		ug/kg	76	13.	1
1,2,3-Trichlorobenzene	ND		ug/kg	150	24.	1
1,2,4-Trichlorobenzene	ND		ug/kg	150	21.	1
1,3,5-Trimethylbenzene	31	J	ug/kg	150	15.	1
1,2,4-Trimethylbenzene	180		ug/kg	150	26.	1
1,4-Dioxane	ND		ug/kg	6100	2700	1
p-Diethylbenzene	180		ug/kg	150	14.	1
p-Ethyltoluene	210		ug/kg	150	29.	1
1,2,4,5-Tetramethylbenzene	880		ug/kg	150	14.	1
Ethyl ether	ND		ug/kg	150	26.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	380	110	1
Tentatively Identified Compounds						
Total TIC Compounds	40200	J	ug/kg			1
Unknown	4110	J	ug/kg			1
Unknown Aromatic	3310	J	ug/kg			1
Unknown Aromatic	2080	J	ug/kg			1
Unknown Naphthalene	4550	J	ug/kg			1
Unknown	1800	J	ug/kg			1
Unknown	3100	J	ug/kg			1
Unknown Aromatic	1600	J	ug/kg			1
Unknown	3330	J	ug/kg			1
Unknown	1930	J	ug/kg			1
Unknown	2020	J	ug/kg			1
Unknown	1790	J	ug/kg			1
Unknown Benzene	3360	J	ug/kg			1
Unknown	1930	J	ug/kg			1
Unknown Aromatic	2520	J	ug/kg			1
Unknown Aromatic	2790	J	ug/kg			1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	85		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	105		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 21:36
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	0.19	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	0.36	J	ug/kg	1.6	0.14	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	1.1	J	ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.36	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.97	1
Acetone	360	E	ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	6.1	J	ug/kg	10	2.4	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.12	1
Naphthalene	ND		ug/kg	4.2	0.69	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	85	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Tentatively Identified Compounds						
Total TIC Compounds	8.85	J	ug/kg			1
Unknown	2.82	J	ug/kg			1
Unknown	3.38	J	ug/kg			1
Unknown Alkane	2.65	J	ug/kg			1

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

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 19:02
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	260	120	1
1,1-Dichloroethane	ND		ug/kg	51	7.4	1
Chloroform	ND		ug/kg	77	7.2	1
Carbon tetrachloride	ND		ug/kg	51	12.	1
1,2-Dichloropropane	ND		ug/kg	51	6.4	1
Dibromochloromethane	ND		ug/kg	51	7.2	1
1,1,2-Trichloroethane	ND		ug/kg	51	14.	1
Tetrachloroethene	ND		ug/kg	26	10.	1
Chlorobenzene	ND		ug/kg	26	6.5	1
Trichlorofluoromethane	ND		ug/kg	200	36.	1
1,2-Dichloroethane	ND		ug/kg	51	13.	1
1,1,1-Trichloroethane	ND		ug/kg	26	8.6	1
Bromodichloromethane	ND		ug/kg	26	5.6	1
trans-1,3-Dichloropropene	ND		ug/kg	51	14.	1
cis-1,3-Dichloropropene	ND		ug/kg	26	8.1	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	26	8.1	1
Bromoform	ND		ug/kg	200	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	26	8.5	1
Benzene	ND		ug/kg	26	8.5	1
Toluene	ND		ug/kg	51	28.	1
Ethylbenzene	ND		ug/kg	51	7.2	1
Chloromethane	ND		ug/kg	200	48.	1
Bromomethane	ND		ug/kg	100	30.	1
Vinyl chloride	ND		ug/kg	51	17.	1
Chloroethane	ND		ug/kg	100	23.	1
1,1-Dichloroethene	ND		ug/kg	51	12.	1
trans-1,2-Dichloroethene	ND		ug/kg	77	7.0	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	26	7.0	1
1,2-Dichlorobenzene	ND		ug/kg	100	7.4	1
1,3-Dichlorobenzene	ND		ug/kg	100	7.6	1
1,4-Dichlorobenzene	ND		ug/kg	100	8.8	1
Methyl tert butyl ether	ND		ug/kg	100	10.	1
p/m-Xylene	ND		ug/kg	100	29.	1
o-Xylene	ND		ug/kg	51	15.	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	51	9.0	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	100	12.	1
Styrene	ND		ug/kg	51	10.	1
Dichlorodifluoromethane	ND		ug/kg	510	47.	1
Acetone	ND		ug/kg	510	250	1
Carbon disulfide	ND		ug/kg	510	230	1
2-Butanone	ND		ug/kg	510	110	1
Vinyl acetate	ND		ug/kg	510	110	1
4-Methyl-2-pentanone	ND		ug/kg	510	66.	1
1,2,3-Trichloropropane	ND		ug/kg	100	6.5	1
2-Hexanone	ND		ug/kg	510	60.	1
Bromochloromethane	ND		ug/kg	100	10.	1
2,2-Dichloropropane	ND		ug/kg	100	10.	1
1,2-Dibromoethane	ND		ug/kg	51	14.	1
1,3-Dichloropropane	ND		ug/kg	100	8.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	26	6.8	1
Bromobenzene	ND		ug/kg	100	7.4	1
n-Butylbenzene	ND		ug/kg	51	8.6	1
sec-Butylbenzene	ND		ug/kg	51	7.5	1
tert-Butylbenzene	ND		ug/kg	100	6.0	1
o-Chlorotoluene	ND		ug/kg	100	9.8	1
p-Chlorotoluene	ND		ug/kg	100	5.5	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	51.	1
Hexachlorobutadiene	ND		ug/kg	200	8.7	1
Isopropylbenzene	ND		ug/kg	51	5.6	1
p-Isopropyltoluene	ND		ug/kg	51	5.6	1
Naphthalene	ND		ug/kg	200	33.	1
Acrylonitrile	ND		ug/kg	200	59.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	51	8.8	1
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.	1
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.9	1
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.	1
1,4-Dioxane	ND		ug/kg	4100	1800	1
p-Diethylbenzene	ND		ug/kg	100	9.1	1
p-Ethyltoluene	ND		ug/kg	100	20.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.8	1
Ethyl ether	ND		ug/kg	100	17.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	260	73.	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	93		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 22:01
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.15	1
Chloroform	0.17	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	0.46	J	ug/kg	1.6	0.15	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	1.2	J	ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	0.46	J	ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	83		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.8	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.69	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	85	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Tentatively Identified Compounds						
Total TIC Compounds	2.58	J	ug/kg			1
Unknown Alkane	2.58	J	ug/kg			1

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

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 22:27
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	20		ug/kg	7.8	3.6	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.23	1
Chloroform	0.28	J	ug/kg	2.4	0.22	1
Carbon tetrachloride	ND		ug/kg	1.6	0.36	1
1,2-Dichloropropane	ND		ug/kg	1.6	0.20	1
Dibromochloromethane	ND		ug/kg	1.6	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.42	1
Tetrachloroethene	0.36	J	ug/kg	0.78	0.31	1
Chlorobenzene	ND		ug/kg	0.78	0.20	1
Trichlorofluoromethane	ND		ug/kg	6.3	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.40	1
1,1,1-Trichloroethane	ND		ug/kg	0.78	0.26	1
Bromodichloromethane	ND		ug/kg	0.78	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.43	1
cis-1,3-Dichloropropene	ND		ug/kg	0.78	0.25	1
1,3-Dichloropropene, Total	ND		ug/kg	0.78	0.25	1
1,1-Dichloropropene	ND		ug/kg	0.78	0.25	1
Bromoform	ND		ug/kg	6.3	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.78	0.26	1
Benzene	0.78		ug/kg	0.78	0.26	1
Toluene	ND		ug/kg	1.6	0.85	1
Ethylbenzene	ND		ug/kg	1.6	0.22	1
Chloromethane	ND		ug/kg	6.3	1.5	1
Bromomethane	ND		ug/kg	3.1	0.91	1
Vinyl chloride	ND		ug/kg	1.6	0.52	1
Chloroethane	ND		ug/kg	3.1	0.71	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.37	1
trans-1,2-Dichloroethene	0.77	J	ug/kg	2.4	0.21	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.78	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	3.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.1	0.23	1
1,4-Dichlorobenzene	2.8	J	ug/kg	3.1	0.27	1
Methyl tert butyl ether	2.0	J	ug/kg	3.1	0.32	1
p/m-Xylene	ND		ug/kg	3.1	0.88	1
o-Xylene	ND		ug/kg	1.6	0.46	1
Xylenes, Total	ND		ug/kg	1.6	0.46	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.27	1
1,2-Dichloroethene, Total	0.77	J	ug/kg	1.6	0.21	1
Dibromomethane	ND		ug/kg	3.1	0.37	1
Styrene	ND		ug/kg	1.6	0.31	1
Dichlorodifluoromethane	ND		ug/kg	16	1.4	1
Acetone	480	E	ug/kg	16	7.5	1
Carbon disulfide	ND		ug/kg	16	7.1	1
2-Butanone	6.4	J	ug/kg	16	3.5	1
Vinyl acetate	ND		ug/kg	16	3.4	1
4-Methyl-2-pentanone	ND		ug/kg	16	2.0	1
1,2,3-Trichloropropane	ND		ug/kg	3.1	0.20	1
2-Hexanone	ND		ug/kg	16	1.8	1
Bromochloromethane	ND		ug/kg	3.1	0.32	1
2,2-Dichloropropane	ND		ug/kg	3.1	0.32	1
1,2-Dibromoethane	ND		ug/kg	1.6	0.44	1
1,3-Dichloropropane	ND		ug/kg	3.1	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.78	0.21	1
Bromobenzene	ND		ug/kg	3.1	0.23	1
n-Butylbenzene	ND		ug/kg	1.6	0.26	1
sec-Butylbenzene	ND		ug/kg	1.6	0.23	1
tert-Butylbenzene	ND		ug/kg	3.1	0.18	1
o-Chlorotoluene	ND		ug/kg	3.1	0.30	1
p-Chlorotoluene	ND		ug/kg	3.1	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	1.6	1
Hexachlorobutadiene	ND		ug/kg	6.3	0.26	1
Isopropylbenzene	ND		ug/kg	1.6	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.17	1
Naphthalene	ND		ug/kg	6.3	1.0	1
Acrylonitrile	ND		ug/kg	6.3	1.8	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.6	0.27	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.1	0.50	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.1	0.43	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.1	0.30	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.1	0.52	1
1,4-Dioxane	ND		ug/kg	120	55.	1
p-Diethylbenzene	ND		ug/kg	3.1	0.28	1
p-Ethyltoluene	ND		ug/kg	3.1	0.60	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.1	0.30	1
Ethyl ether	ND		ug/kg	3.1	0.53	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.8	2.2	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

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

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 19:28
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	280	130	1
1,1-Dichloroethane	ND		ug/kg	56	8.1	1
Chloroform	ND		ug/kg	84	7.8	1
Carbon tetrachloride	ND		ug/kg	56	13.	1
1,2-Dichloropropane	ND		ug/kg	56	7.0	1
Dibromochloromethane	ND		ug/kg	56	7.8	1
1,1,2-Trichloroethane	ND		ug/kg	56	15.	1
Tetrachloroethene	ND		ug/kg	28	11.	1
Chlorobenzene	ND		ug/kg	28	7.1	1
Trichlorofluoromethane	ND		ug/kg	220	39.	1
1,2-Dichloroethane	ND		ug/kg	56	14.	1
1,1,1-Trichloroethane	ND		ug/kg	28	9.3	1
Bromodichloromethane	ND		ug/kg	28	6.1	1
trans-1,3-Dichloropropene	ND		ug/kg	56	15.	1
cis-1,3-Dichloropropene	ND		ug/kg	28	8.8	1
1,3-Dichloropropene, Total	ND		ug/kg	0.78	0.25	1
1,1-Dichloropropene	ND		ug/kg	28	8.9	1
Bromoform	ND		ug/kg	220	14.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	28	9.3	1
Benzene	9.8	J	ug/kg	28	9.3	1
Toluene	ND		ug/kg	56	30.	1
Ethylbenzene	ND		ug/kg	56	7.9	1
Chloromethane	ND		ug/kg	220	52.	1
Bromomethane	ND		ug/kg	110	32.	1
Vinyl chloride	ND		ug/kg	56	19.	1
Chloroethane	ND		ug/kg	110	25.	1
1,1-Dichloroethene	ND		ug/kg	56	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	84	7.7	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07 Date Collected: 09/11/19 09:40

Client ID: B-9 (3-4) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	28	7.7	1
1,2-Dichlorobenzene	ND		ug/kg	110	8.1	1
1,3-Dichlorobenzene	ND		ug/kg	110	8.3	1
1,4-Dichlorobenzene	12	J	ug/kg	110	9.6	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	ND		ug/kg	110	31.	1
o-Xylene	ND		ug/kg	56	16.	1
Xylenes, Total	ND		ug/kg	1.6	0.46	1
cis-1,2-Dichloroethene	ND		ug/kg	56	9.8	1
1,2-Dichloroethene, Total	ND		ug/kg	1.6	0.21	1
Dibromomethane	ND		ug/kg	110	13.	1
Styrene	ND		ug/kg	56	11.	1
Dichlorodifluoromethane	ND		ug/kg	560	51.	1
Acetone	ND		ug/kg	560	270	1
Carbon disulfide	ND		ug/kg	560	250	1
2-Butanone	ND		ug/kg	560	120	1
Vinyl acetate	ND		ug/kg	560	120	1
4-Methyl-2-pentanone	ND		ug/kg	560	72.	1
1,2,3-Trichloropropane	ND		ug/kg	110	7.1	1
2-Hexanone	ND		ug/kg	560	66.	1
Bromochloromethane	ND		ug/kg	110	11.	1
2,2-Dichloropropane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	56	16.	1
1,3-Dichloropropane	ND		ug/kg	110	9.3	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	28	7.4	1
Bromobenzene	ND		ug/kg	110	8.1	1
n-Butylbenzene	ND		ug/kg	56	9.3	1
sec-Butylbenzene	ND		ug/kg	56	8.2	1
tert-Butylbenzene	ND		ug/kg	110	6.6	1
o-Chlorotoluene	ND		ug/kg	110	11.	1
p-Chlorotoluene	ND		ug/kg	110	6.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	170	56.	1
Hexachlorobutadiene	ND		ug/kg	220	9.5	1
Isopropylbenzene	ND		ug/kg	56	6.1	1
p-Isopropyltoluene	ND		ug/kg	56	6.1	1
Naphthalene	ND		ug/kg	220	36.	1
Acrylonitrile	ND		ug/kg	220	64.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	56	9.6	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	15.	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	11.	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	19.	1
1,4-Dioxane	ND		ug/kg	4500	2000	1
p-Diethylbenzene	ND		ug/kg	110	9.9	1
p-Ethyltoluene	ND		ug/kg	110	21.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	110	11.	1
Ethyl ether	ND		ug/kg	110	19.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	280	80.	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	93		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 22:53
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	0.18	J	ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.95	0.52	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.89	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.23	1
trans-1,2-Dichloroethene	0.41	J	ug/kg	1.4	0.13	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	0.37	J	ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
Xylenes, Total	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.17	1
1,2-Dichloroethene, Total	0.41	J	ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.95	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	270		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.95	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	273	J	ug/kg			1
Unknown	273	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 23:19
Analyst: NLK
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	0.19	J	ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	0.29	J	ug/kg	1.5	0.14	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	0.32	J	ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.29	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	100		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.65	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	80	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	192	J	ug/kg			1
Unknown	192	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 23:45
Analyst: NLK
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.97	0.14	1
Chloroform	0.19	J	ug/kg	1.4	0.14	1
Carbon tetrachloride	ND		ug/kg	0.97	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.97	0.12	1
Dibromochloromethane	ND		ug/kg	0.97	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.97	0.26	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.97	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.97	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.97	0.52	1
Ethylbenzene	ND		ug/kg	0.97	0.14	1
Chloromethane	ND		ug/kg	3.9	0.90	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.97	0.32	1
Chloroethane	ND		ug/kg	1.9	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.97	0.23	1
trans-1,2-Dichloroethene	0.14	J	ug/kg	1.4	0.13	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	0.27	J	ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.97	0.28	1
Xylenes, Total	ND		ug/kg	0.97	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.97	0.17	1
1,2-Dichloroethene, Total	0.14	J	ug/kg	0.97	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.97	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.7	0.88	1
Acetone	82		ug/kg	9.7	4.6	1
Carbon disulfide	ND		ug/kg	9.7	4.4	1
2-Butanone	ND		ug/kg	9.7	2.1	1
Vinyl acetate	ND		ug/kg	9.7	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.7	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.7	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.97	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.97	0.16	1
sec-Butylbenzene	ND		ug/kg	0.97	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.96	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.97	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.97	0.10	1
Naphthalene	ND		ug/kg	3.9	0.63	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.97	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	77	34.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	92.8	J	ug/kg			1
Unknown	92.8	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 00:12
Analyst: NLK
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	0.22	J	ug/kg	1.6	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.97	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	0.34	J	ug/kg	1.6	0.14	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	0.38	J	ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.34	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	220		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	83	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1
Tentatively Identified Compounds						
Total TIC Compounds	70.2	J	ug/kg			1
Unknown Alkane	3.37	J	ug/kg			1
Unknown	66.8	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 00:01
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.7	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.20	1
Chloroform	0.39	J	ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.3	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.17	1
Dibromochloromethane	ND		ug/kg	1.3	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.36	1
Tetrachloroethene	ND		ug/kg	0.67	0.26	1
Chlorobenzene	ND		ug/kg	0.67	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.94	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.67	0.22	1
Bromodichloromethane	ND		ug/kg	0.67	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.67	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.67	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.67	0.21	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.67	0.22	1
Benzene	ND		ug/kg	0.67	0.22	1
Toluene	ND		ug/kg	1.3	0.73	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.4	1.2	1
Bromomethane	ND		ug/kg	2.7	0.78	1
Vinyl chloride	ND		ug/kg	1.3	0.45	1
Chloroethane	ND		ug/kg	2.7	0.61	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	0.47	J	ug/kg	2.0	0.18	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.67	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	0.80	J	ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.75	1
o-Xylene	ND		ug/kg	1.3	0.39	1
Xylenes, Total	ND		ug/kg	1.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.24	1
1,2-Dichloroethene, Total	0.47	J	ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	72		ug/kg	13	6.5	1
Carbon disulfide	ND		ug/kg	13	6.1	1
2-Butanone	ND		ug/kg	13	3.0	1
Vinyl acetate	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.67	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.3	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.15	1
Naphthalene	ND		ug/kg	5.4	0.88	1
Acrylonitrile	ND		ug/kg	5.4	1.5	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1
1,4-Dioxane	ND		ug/kg	110	47.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.52	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.7	1.9	1
Tentatively Identified Compounds						
Total TIC Compounds	77.5	J	ug/kg			1
Ethyl Acetate	77.5	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	102		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 00:27
Analyst: NLK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.89	0.13	1
Chloroform	0.24	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.89	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.89	0.11	1
Dibromochloromethane	ND		ug/kg	0.89	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.89	0.24	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.89	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.89	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.15	1
Benzene	ND		ug/kg	0.44	0.15	1
Toluene	ND		ug/kg	0.89	0.48	1
Ethylbenzene	ND		ug/kg	0.89	0.12	1
Chloromethane	ND		ug/kg	3.6	0.83	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.89	0.30	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.89	0.21	1
trans-1,2-Dichloroethene	0.24	J	ug/kg	1.3	0.12	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.12	J	ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	0.50	J	ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.89	0.26	1
Xylenes, Total	ND		ug/kg	0.89	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.89	0.16	1
1,2-Dichloroethene, Total	0.24	J	ug/kg	0.89	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.89	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.9	0.82	1
Acetone	860	E	ug/kg	8.9	4.3	1
Carbon disulfide	ND		ug/kg	8.9	4.0	1
2-Butanone	ND		ug/kg	8.9	2.0	1
Vinyl acetate	ND		ug/kg	8.9	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.9	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.9	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.89	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.89	0.15	1
sec-Butylbenzene	ND		ug/kg	0.89	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.89	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.89	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.89	0.10	1
Naphthalene	ND		ug/kg	3.6	0.58	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.89	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	71	31.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	205	J	ug/kg			1
Ethyl Acetate	205	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	107		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 19:53
Analyst: NLK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	270	120	1
1,1-Dichloroethane	ND		ug/kg	54	7.9	1
Chloroform	ND		ug/kg	82	7.6	1
Carbon tetrachloride	ND		ug/kg	54	12.	1
1,2-Dichloropropane	ND		ug/kg	54	6.8	1
Dibromochloromethane	ND		ug/kg	54	7.6	1
1,1,2-Trichloroethane	ND		ug/kg	54	14.	1
Tetrachloroethene	ND		ug/kg	27	11.	1
Chlorobenzene	ND		ug/kg	27	6.9	1
Trichlorofluoromethane	ND		ug/kg	220	38.	1
1,2-Dichloroethane	ND		ug/kg	54	14.	1
1,1,1-Trichloroethane	ND		ug/kg	27	9.1	1
Bromodichloromethane	ND		ug/kg	27	5.9	1
trans-1,3-Dichloropropene	ND		ug/kg	54	15.	1
cis-1,3-Dichloropropene	ND		ug/kg	27	8.6	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	27	8.7	1
Bromoform	ND		ug/kg	220	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	27	9.0	1
Benzene	ND		ug/kg	27	9.0	1
Toluene	ND		ug/kg	54	30.	1
Ethylbenzene	ND		ug/kg	54	7.7	1
Chloromethane	ND		ug/kg	220	51.	1
Bromomethane	ND		ug/kg	110	32.	1
Vinyl chloride	ND		ug/kg	54	18.	1
Chloroethane	ND		ug/kg	110	25.	1
1,1-Dichloroethene	ND		ug/kg	54	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	82	7.5	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	27	7.5	1
1,2-Dichlorobenzene	ND		ug/kg	110	7.8	1
1,3-Dichlorobenzene	ND		ug/kg	110	8.1	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.3	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	ND		ug/kg	110	30.	1
o-Xylene	ND		ug/kg	54	16.	1
Xylenes, Total	ND		ug/kg	0.89	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	54	9.5	1
1,2-Dichloroethene, Total	ND		ug/kg	0.89	0.12	1
Dibromomethane	ND		ug/kg	110	13.	1
Styrene	ND		ug/kg	54	11.	1
Dichlorodifluoromethane	ND		ug/kg	540	50.	1
Acetone	ND		ug/kg	540	260	1
Carbon disulfide	ND		ug/kg	540	250	1
2-Butanone	ND		ug/kg	540	120	1
Vinyl acetate	ND		ug/kg	540	120	1
4-Methyl-2-pentanone	ND		ug/kg	540	70.	1
1,2,3-Trichloropropane	ND		ug/kg	110	6.9	1
2-Hexanone	ND		ug/kg	540	64.	1
Bromochloromethane	ND		ug/kg	110	11.	1
2,2-Dichloropropane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	54	15.	1
1,3-Dichloropropane	ND		ug/kg	110	9.1	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	27	7.2	1
Bromobenzene	ND		ug/kg	110	7.9	1
n-Butylbenzene	ND		ug/kg	54	9.1	1
sec-Butylbenzene	ND		ug/kg	54	8.0	1
tert-Butylbenzene	ND		ug/kg	110	6.4	1
o-Chlorotoluene	ND		ug/kg	110	10.	1
p-Chlorotoluene	ND		ug/kg	110	5.9	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	54.	1
Hexachlorobutadiene	ND		ug/kg	220	9.2	1
Isopropylbenzene	ND		ug/kg	54	5.9	1
p-Isopropyltoluene	ND		ug/kg	54	5.9	1
Naphthalene	ND		ug/kg	220	35.	1
Acrylonitrile	ND		ug/kg	220	63.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	54	9.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	15.	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	10.	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	18.	1
1,4-Dioxane	ND		ug/kg	4400	1900	1
p-Diethylbenzene	ND		ug/kg	110	9.6	1
p-Ethyltoluene	ND		ug/kg	110	21.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	110	10.	1
Ethyl ether	ND		ug/kg	110	19.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	270	77.	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	92		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 00:53
Analyst: NLK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	2.2	J	ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.13	1
Chloroform	0.24	J	ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.93	0.50	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	0.48	J	ug/kg	1.4	0.13	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	0.51	J	ug/kg	1.8	0.19	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	0.48	J	ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	780	E	ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.0	1
Vinyl acetate	ND		ug/kg	9.3	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.93	0.15	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.18	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.93	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
1,4-Dioxane	ND		ug/kg	74	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.18	1
Ethyl ether	ND		ug/kg	1.8	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	251	J	ug/kg			1
Ethyl Acetate	251	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	105		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 20:18
Analyst: NLK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	290	130	1
1,1-Dichloroethane	ND		ug/kg	58	8.4	1
Chloroform	ND		ug/kg	87	8.1	1
Carbon tetrachloride	ND		ug/kg	58	13.	1
1,2-Dichloropropane	ND		ug/kg	58	7.2	1
Dibromochloromethane	ND		ug/kg	58	8.1	1
1,1,2-Trichloroethane	ND		ug/kg	58	15.	1
Tetrachloroethene	ND		ug/kg	29	11.	1
Chlorobenzene	ND		ug/kg	29	7.4	1
Trichlorofluoromethane	ND		ug/kg	230	40.	1
1,2-Dichloroethane	ND		ug/kg	58	15.	1
1,1,1-Trichloroethane	ND		ug/kg	29	9.7	1
Bromodichloromethane	ND		ug/kg	29	6.3	1
trans-1,3-Dichloropropene	ND		ug/kg	58	16.	1
cis-1,3-Dichloropropene	ND		ug/kg	29	9.2	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	29	9.2	1
Bromoform	ND		ug/kg	230	14.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	29	9.6	1
Benzene	ND		ug/kg	29	9.6	1
Toluene	ND		ug/kg	58	31.	1
Ethylbenzene	ND		ug/kg	58	8.2	1
Chloromethane	ND		ug/kg	230	54.	1
Bromomethane	ND		ug/kg	120	34.	1
Vinyl chloride	ND		ug/kg	58	19.	1
Chloroethane	ND		ug/kg	120	26.	1
1,1-Dichloroethene	ND		ug/kg	58	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	87	7.9	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	29	7.9	1
1,2-Dichlorobenzene	ND		ug/kg	120	8.3	1
1,3-Dichlorobenzene	ND		ug/kg	120	8.6	1
1,4-Dichlorobenzene	ND		ug/kg	120	9.9	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	ND		ug/kg	120	32.	1
o-Xylene	ND		ug/kg	58	17.	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	58	10.	1
1,2-Dichloroethene, Total	ND		ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	120	14.	1
Styrene	ND		ug/kg	58	11.	1
Dichlorodifluoromethane	ND		ug/kg	580	53.	1
Acetone	ND		ug/kg	580	280	1
Carbon disulfide	ND		ug/kg	580	260	1
2-Butanone	ND		ug/kg	580	130	1
Vinyl acetate	ND		ug/kg	580	120	1
4-Methyl-2-pentanone	ND		ug/kg	580	74.	1
1,2,3-Trichloropropane	ND		ug/kg	120	7.4	1
2-Hexanone	ND		ug/kg	580	68.	1
Bromochloromethane	ND		ug/kg	120	12.	1
2,2-Dichloropropane	ND		ug/kg	120	12.	1
1,2-Dibromoethane	ND		ug/kg	58	16.	1
1,3-Dichloropropane	ND		ug/kg	120	9.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	29	7.6	1
Bromobenzene	ND		ug/kg	120	8.4	1
n-Butylbenzene	ND		ug/kg	58	9.7	1
sec-Butylbenzene	ND		ug/kg	58	8.5	1
tert-Butylbenzene	ND		ug/kg	120	6.8	1
o-Chlorotoluene	ND		ug/kg	120	11.	1
p-Chlorotoluene	ND		ug/kg	120	6.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	170	58.	1
Hexachlorobutadiene	ND		ug/kg	230	9.8	1
Isopropylbenzene	ND		ug/kg	58	6.3	1
p-Isopropyltoluene	ND		ug/kg	58	6.3	1
Naphthalene	ND		ug/kg	230	38.	1
Acrylonitrile	ND		ug/kg	230	67.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	58	9.9	1
1,2,3-Trichlorobenzene	ND		ug/kg	120	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	16.	1
1,3,5-Trimethylbenzene	ND		ug/kg	120	11.	1
1,2,4-Trimethylbenzene	ND		ug/kg	120	19.	1
1,4-Dioxane	ND		ug/kg	4600	2000	1
p-Diethylbenzene	ND		ug/kg	120	10.	1
p-Ethyltoluene	ND		ug/kg	120	22.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	120	11.	1
Ethyl ether	ND		ug/kg	120	20.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	290	82.	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	92		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 20:44
Analyst: NLK
Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.9	4.1	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.26	1
Chloroform	ND		ug/kg	2.7	0.25	1
Carbon tetrachloride	ND		ug/kg	1.8	0.41	1
1,2-Dichloropropane	ND		ug/kg	1.8	0.22	1
Dibromochloromethane	ND		ug/kg	1.8	0.25	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.48	1
Tetrachloroethene	0.54	J	ug/kg	0.89	0.35	1
Chlorobenzene	ND		ug/kg	0.89	0.23	1
Trichlorofluoromethane	ND		ug/kg	7.1	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.46	1
1,1,1-Trichloroethane	ND		ug/kg	0.89	0.30	1
Bromodichloromethane	ND		ug/kg	0.89	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.49	1
cis-1,3-Dichloropropene	ND		ug/kg	0.89	0.28	1
1,3-Dichloropropene, Total	ND		ug/kg	0.89	0.28	1
1,1-Dichloropropene	ND		ug/kg	0.89	0.28	1
Bromoform	ND		ug/kg	7.1	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.89	0.30	1
Benzene	0.79	J	ug/kg	0.89	0.30	1
Toluene	ND		ug/kg	1.8	0.97	1
Ethylbenzene	ND		ug/kg	1.8	0.25	1
Chloromethane	ND		ug/kg	7.1	1.7	1
Bromomethane	ND		ug/kg	3.6	1.0	1
Vinyl chloride	ND		ug/kg	1.8	0.60	1
Chloroethane	ND		ug/kg	3.6	0.81	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.42	1
trans-1,2-Dichloroethene	0.43	J	ug/kg	2.7	0.24	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.89	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	3.6	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	3.6	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	3.6	0.30	1
Methyl tert butyl ether	0.60	J	ug/kg	3.6	0.36	1
p/m-Xylene	ND		ug/kg	3.6	1.0	1
o-Xylene	ND		ug/kg	1.8	0.52	1
Xylenes, Total	ND		ug/kg	1.8	0.52	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.31	1
1,2-Dichloroethene, Total	0.43	J	ug/kg	1.8	0.24	1
Dibromomethane	ND		ug/kg	3.6	0.42	1
Styrene	ND		ug/kg	1.8	0.35	1
Dichlorodifluoromethane	ND		ug/kg	18	1.6	1
Acetone	620	E	ug/kg	18	8.6	1
Carbon disulfide	ND		ug/kg	18	8.1	1
2-Butanone	12	J	ug/kg	18	4.0	1
Vinyl acetate	ND		ug/kg	18	3.8	1
4-Methyl-2-pentanone	ND		ug/kg	18	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	3.6	0.23	1
2-Hexanone	ND		ug/kg	18	2.1	1
Bromochloromethane	ND		ug/kg	3.6	0.37	1
2,2-Dichloropropane	ND		ug/kg	3.6	0.36	1
1,2-Dibromoethane	ND		ug/kg	1.8	0.50	1
1,3-Dichloropropane	ND		ug/kg	3.6	0.30	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.89	0.24	1
Bromobenzene	ND		ug/kg	3.6	0.26	1
n-Butylbenzene	ND		ug/kg	1.8	0.30	1
sec-Butylbenzene	ND		ug/kg	1.8	0.26	1
tert-Butylbenzene	ND		ug/kg	3.6	0.21	1
o-Chlorotoluene	ND		ug/kg	3.6	0.34	1
p-Chlorotoluene	ND		ug/kg	3.6	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	1.8	1
Hexachlorobutadiene	ND		ug/kg	7.1	0.30	1
Isopropylbenzene	ND		ug/kg	1.8	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.19	1
Naphthalene	41		ug/kg	7.1	1.2	1
Acrylonitrile	ND		ug/kg	7.1	2.0	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.8	0.30	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.6	0.58	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.6	0.48	1
1,3,5-Trimethylbenzene	0.51	J	ug/kg	3.6	0.34	1
1,2,4-Trimethylbenzene	0.64	J	ug/kg	3.6	0.60	1
1,4-Dioxane	ND		ug/kg	140	63.	1
p-Diethylbenzene	0.57	J	ug/kg	3.6	0.32	1
p-Ethyltoluene	ND		ug/kg	3.6	0.68	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.6	0.34	1
Ethyl ether	ND		ug/kg	3.6	0.61	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.9	2.5	1
Tentatively Identified Compounds						
Total TIC Compounds	16.4	J	ug/kg			1
Unknown	3.89	J	ug/kg			1
Unknown Aromatic	5.89	J	ug/kg			1
Unknown Aromatic	6.61	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	97		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/18/19 11:08
Analyst: MV
Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	220	100	1
1,1-Dichloroethane	ND		ug/kg	44	6.5	1
Chloroform	ND		ug/kg	67	6.2	1
Carbon tetrachloride	ND		ug/kg	44	10.	1
1,2-Dichloropropane	ND		ug/kg	44	5.6	1
Dibromochloromethane	ND		ug/kg	44	6.2	1
1,1,2-Trichloroethane	ND		ug/kg	44	12.	1
Tetrachloroethene	ND		ug/kg	22	8.7	1
Chlorobenzene	ND		ug/kg	22	5.7	1
Trichlorofluoromethane	ND		ug/kg	180	31.	1
1,2-Dichloroethane	ND		ug/kg	44	11.	1
1,1,1-Trichloroethane	ND		ug/kg	22	7.4	1
Bromodichloromethane	ND		ug/kg	22	4.9	1
trans-1,3-Dichloropropene	ND		ug/kg	44	12.	1
cis-1,3-Dichloropropene	ND		ug/kg	22	7.0	1
1,3-Dichloropropene, Total	ND		ug/kg	22	7.0	1
1,1-Dichloropropene	ND		ug/kg	22	7.1	1
Bromoform	ND		ug/kg	180	11.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	22	7.4	1
Benzene	ND		ug/kg	22	7.4	1
Toluene	ND		ug/kg	44	24.	1
Ethylbenzene	6.6	J	ug/kg	44	6.3	1
Chloromethane	ND		ug/kg	180	42.	1
Bromomethane	ND		ug/kg	89	26.	1
Vinyl chloride	ND		ug/kg	44	15.	1
Chloroethane	ND		ug/kg	89	20.	1
1,1-Dichloroethene	ND		ug/kg	44	11.	1
trans-1,2-Dichloroethene	ND		ug/kg	67	6.1	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	22	6.1	1
1,2-Dichlorobenzene	ND		ug/kg	89	6.4	1
1,3-Dichlorobenzene	ND		ug/kg	89	6.6	1
1,4-Dichlorobenzene	ND		ug/kg	89	7.6	1
Methyl tert butyl ether	ND		ug/kg	89	9.0	1
p/m-Xylene	ND		ug/kg	89	25.	1
o-Xylene	ND		ug/kg	44	13.	1
Xylenes, Total	ND		ug/kg	44	13.	1
cis-1,2-Dichloroethene	ND		ug/kg	44	7.8	1
1,2-Dichloroethene, Total	ND		ug/kg	44	6.1	1
Dibromomethane	ND		ug/kg	89	11.	1
Styrene	ND		ug/kg	44	8.7	1
Dichlorodifluoromethane	ND		ug/kg	440	41.	1
Acetone	ND		ug/kg	440	210	1
Carbon disulfide	ND		ug/kg	440	200	1
2-Butanone	ND		ug/kg	440	99.	1
Vinyl acetate	ND		ug/kg	440	96.	1
4-Methyl-2-pentanone	ND		ug/kg	440	57.	1
1,2,3-Trichloropropane	ND		ug/kg	89	5.7	1
2-Hexanone	ND		ug/kg	440	53.	1
Bromochloromethane	ND		ug/kg	89	9.1	1
2,2-Dichloropropane	ND		ug/kg	89	9.0	1
1,2-Dibromoethane	ND		ug/kg	44	12.	1
1,3-Dichloropropane	ND		ug/kg	89	7.4	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	22	5.9	1
Bromobenzene	ND		ug/kg	89	6.5	1
n-Butylbenzene	ND		ug/kg	44	7.4	1
sec-Butylbenzene	ND		ug/kg	44	6.5	1
tert-Butylbenzene	ND		ug/kg	89	5.3	1
o-Chlorotoluene	ND		ug/kg	89	8.5	1
p-Chlorotoluene	ND		ug/kg	89	4.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	130	44.	1
Hexachlorobutadiene	ND		ug/kg	180	7.5	1
Isopropylbenzene	ND		ug/kg	44	4.9	1
p-Isopropyltoluene	ND		ug/kg	44	4.9	1
Naphthalene	ND		ug/kg	180	29.	1
Acrylonitrile	ND		ug/kg	180	51.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	44	7.6	1
1,2,3-Trichlorobenzene	ND		ug/kg	89	14.	1
1,2,4-Trichlorobenzene	ND		ug/kg	89	12.	1
1,3,5-Trimethylbenzene	ND		ug/kg	89	8.6	1
1,2,4-Trimethylbenzene	ND		ug/kg	89	15.	1
1,4-Dioxane	ND		ug/kg	3600	1600	1
p-Diethylbenzene	ND		ug/kg	89	7.9	1
p-Ethyltoluene	ND		ug/kg	89	17.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	89	8.5	1
Ethyl ether	ND		ug/kg	89	15.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	220	63.	1
Tentatively Identified Compounds						
Total TIC Compounds	150	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	150	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	94		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 21:09
Analyst: NLK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.21	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.18	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	0.25	J	ug/kg	1.6	0.14	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	0.40	J	ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.25	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	490	E	ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1
Tentatively Identified Compounds						
Total TIC Compounds	278	J	ug/kg			1
Ethyl Acetate	278	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	99		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/18/19 11:32
Analyst: MV
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	280	130	1
1,1-Dichloroethane	ND		ug/kg	55	8.0	1
Chloroform	ND		ug/kg	82	7.7	1
Carbon tetrachloride	ND		ug/kg	55	13.	1
1,2-Dichloropropane	ND		ug/kg	55	6.9	1
Dibromochloromethane	ND		ug/kg	55	7.7	1
1,1,2-Trichloroethane	ND		ug/kg	55	15.	1
Tetrachloroethene	ND		ug/kg	28	11.	1
Chlorobenzene	ND		ug/kg	28	7.0	1
Trichlorofluoromethane	ND		ug/kg	220	38.	1
1,2-Dichloroethane	ND		ug/kg	55	14.	1
1,1,1-Trichloroethane	ND		ug/kg	28	9.2	1
Bromodichloromethane	ND		ug/kg	28	6.0	1
trans-1,3-Dichloropropene	ND		ug/kg	55	15.	1
cis-1,3-Dichloropropene	ND		ug/kg	28	8.7	1
1,3-Dichloropropene, Total	ND		ug/kg	28	8.7	1
1,1-Dichloropropene	ND		ug/kg	28	8.8	1
Bromoform	ND		ug/kg	220	14.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	28	9.1	1
Benzene	ND		ug/kg	28	9.1	1
Toluene	ND		ug/kg	55	30.	1
Ethylbenzene	ND		ug/kg	55	7.8	1
Chloromethane	ND		ug/kg	220	51.	1
Bromomethane	ND		ug/kg	110	32.	1
Vinyl chloride	ND		ug/kg	55	18.	1
Chloroethane	ND		ug/kg	110	25.	1
1,1-Dichloroethene	ND		ug/kg	55	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	82	7.5	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	28	7.5	1
1,2-Dichlorobenzene	ND		ug/kg	110	7.9	1
1,3-Dichlorobenzene	ND		ug/kg	110	8.1	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.4	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	ND		ug/kg	110	31.	1
o-Xylene	ND		ug/kg	55	16.	1
Xylenes, Total	ND		ug/kg	55	16.	1
cis-1,2-Dichloroethene	ND		ug/kg	55	9.6	1
1,2-Dichloroethene, Total	ND		ug/kg	55	7.5	1
Dibromomethane	ND		ug/kg	110	13.	1
Styrene	ND		ug/kg	55	11.	1
Dichlorodifluoromethane	ND		ug/kg	550	50.	1
Acetone	ND		ug/kg	550	260	1
Carbon disulfide	ND		ug/kg	550	250	1
2-Butanone	ND		ug/kg	550	120	1
Vinyl acetate	ND		ug/kg	550	120	1
4-Methyl-2-pentanone	ND		ug/kg	550	70.	1
1,2,3-Trichloropropane	ND		ug/kg	110	7.0	1
2-Hexanone	ND		ug/kg	550	65.	1
Bromochloromethane	ND		ug/kg	110	11.	1
2,2-Dichloropropane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	55	15.	1
1,3-Dichloropropane	ND		ug/kg	110	9.2	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	28	7.3	1
Bromobenzene	ND		ug/kg	110	8.0	1
n-Butylbenzene	ND		ug/kg	55	9.2	1
sec-Butylbenzene	ND		ug/kg	55	8.0	1
tert-Butylbenzene	ND		ug/kg	110	6.5	1
o-Chlorotoluene	ND		ug/kg	110	10.	1
p-Chlorotoluene	ND		ug/kg	110	5.9	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	55.	1
Hexachlorobutadiene	ND		ug/kg	220	9.3	1
Isopropylbenzene	ND		ug/kg	55	6.0	1
p-Isopropyltoluene	ND		ug/kg	55	6.0	1
Naphthalene	ND		ug/kg	220	36.	1
Acrylonitrile	ND		ug/kg	220	63.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	55	9.4	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	15.	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	11.	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	18.	1
1,4-Dioxane	ND		ug/kg	4400	1900	1
p-Diethylbenzene	ND		ug/kg	110	9.7	1
p-Ethyltoluene	ND		ug/kg	110	21.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	110	10.	1
Ethyl ether	ND		ug/kg	110	19.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	280	78.	1
Tentatively Identified Compounds						
Total TIC Compounds	283	J	ug/kg			1
Unknown	125	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	158	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	92		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 21:35
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.8	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.94	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17 Date Collected: 09/11/19 00:00

Client ID: DUP Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	0.31	J	ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	530	E	ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	ND		ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.8	0.61	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	75	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	223	J	ug/kg			1
Ethyl Acetate	211	NJ	ug/kg			1
iso-Propyl Alcohol	12.2	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	99		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/18/19 11:56
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	230	110	1
1,1-Dichloroethane	ND		ug/kg	46	6.7	1
Chloroform	ND		ug/kg	70	6.5	1
Carbon tetrachloride	ND		ug/kg	46	11.	1
1,2-Dichloropropane	ND		ug/kg	46	5.8	1
Dibromochloromethane	ND		ug/kg	46	6.5	1
1,1,2-Trichloroethane	ND		ug/kg	46	12.	1
Tetrachloroethene	ND		ug/kg	23	9.1	1
Chlorobenzene	ND		ug/kg	23	5.9	1
Trichlorofluoromethane	ND		ug/kg	190	32.	1
1,2-Dichloroethane	ND		ug/kg	46	12.	1
1,1,1-Trichloroethane	ND		ug/kg	23	7.8	1
Bromodichloromethane	ND		ug/kg	23	5.1	1
trans-1,3-Dichloropropene	ND		ug/kg	46	13.	1
cis-1,3-Dichloropropene	ND		ug/kg	23	7.4	1
1,3-Dichloropropene, Total	ND		ug/kg	23	7.4	1
1,1-Dichloropropene	ND		ug/kg	23	7.4	1
Bromoform	ND		ug/kg	190	11.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	23	7.7	1
Benzene	ND		ug/kg	23	7.7	1
Toluene	ND		ug/kg	46	25.	1
Ethylbenzene	ND		ug/kg	46	6.6	1
Chloromethane	ND		ug/kg	190	43.	1
Bromomethane	ND		ug/kg	93	27.	1
Vinyl chloride	ND		ug/kg	46	16.	1
Chloroethane	ND		ug/kg	93	21.	1
1,1-Dichloroethene	ND		ug/kg	46	11.	1
trans-1,2-Dichloroethene	ND		ug/kg	70	6.4	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17 Date Collected: 09/11/19 00:00

Client ID: DUP Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	7.7	J	ug/kg	23	6.4	1
1,2-Dichlorobenzene	ND		ug/kg	93	6.7	1
1,3-Dichlorobenzene	ND		ug/kg	93	6.9	1
1,4-Dichlorobenzene	ND		ug/kg	93	8.0	1
Methyl tert butyl ether	ND		ug/kg	93	9.4	1
p/m-Xylene	ND		ug/kg	93	26.	1
o-Xylene	ND		ug/kg	46	14.	1
Xylenes, Total	ND		ug/kg	46	14.	1
cis-1,2-Dichloroethene	ND		ug/kg	46	8.1	1
1,2-Dichloroethene, Total	ND		ug/kg	46	6.4	1
Dibromomethane	ND		ug/kg	93	11.	1
Styrene	ND		ug/kg	46	9.1	1
Dichlorodifluoromethane	ND		ug/kg	460	42.	1
Acetone	ND		ug/kg	460	220	1
Carbon disulfide	ND		ug/kg	460	210	1
2-Butanone	ND		ug/kg	460	100	1
Vinyl acetate	ND		ug/kg	460	100	1
4-Methyl-2-pentanone	ND		ug/kg	460	60.	1
1,2,3-Trichloropropane	ND		ug/kg	93	5.9	1
2-Hexanone	ND		ug/kg	460	55.	1
Bromochloromethane	ND		ug/kg	93	9.5	1
2,2-Dichloropropane	ND		ug/kg	93	9.4	1
1,2-Dibromoethane	ND		ug/kg	46	13.	1
1,3-Dichloropropane	ND		ug/kg	93	7.8	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	23	6.1	1
Bromobenzene	ND		ug/kg	93	6.7	1
n-Butylbenzene	ND		ug/kg	46	7.8	1
sec-Butylbenzene	ND		ug/kg	46	6.8	1
tert-Butylbenzene	ND		ug/kg	93	5.5	1
o-Chlorotoluene	ND		ug/kg	93	8.9	1
p-Chlorotoluene	ND		ug/kg	93	5.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	140	46.	1
Hexachlorobutadiene	ND		ug/kg	190	7.9	1
Isopropylbenzene	ND		ug/kg	46	5.1	1
p-Isopropyltoluene	ND		ug/kg	46	5.1	1
Naphthalene	ND		ug/kg	190	30.	1
Acrylonitrile	ND		ug/kg	190	54.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	46	8.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	93	15.	1
1,2,4-Trichlorobenzene	ND		ug/kg	93	13.	1
1,3,5-Trimethylbenzene	ND		ug/kg	93	9.0	1
1,2,4-Trimethylbenzene	ND		ug/kg	93	16.	1
1,4-Dioxane	ND		ug/kg	3700	1600	1
p-Diethylbenzene	ND		ug/kg	93	8.2	1
p-Ethyltoluene	ND		ug/kg	93	18.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	93	8.9	1
Ethyl ether	ND		ug/kg	93	16.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	230	66.	1
Tentatively Identified Compounds						
Total TIC Compounds	120	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	120	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	93		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 16:22
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,05-11 Batch: WG1284995-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.19	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 16:22
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,05-11 Batch: WG1284995-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 16:22
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,05-11 Batch: WG1284995-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 16:22
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,05-11 Batch: WG1284995-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	99		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1285064-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	12	J	ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1285064-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1285064-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1285064-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	102		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 12-14 Batch: WG1285068-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.23	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 12-14 Batch: WG1285068-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 12-14 Batch: WG1285068-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 12-14 Batch: WG1285068-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	102		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02,05,07,13-14 Batch: WG1285570-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02,05,07,13-14 Batch: WG1285570-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02,05,07,13-14 Batch: WG1285570-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02,05,07,13-14 Batch: WG1285570-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	94		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 15-17 Batch: WG1285572-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 15-17 Batch: WG1285572-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 15-17 Batch: WG1285572-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 15-17 Batch: WG1285572-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	94		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 07:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15-17 Batch: WG1285600-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	7.0	J	ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	30	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 07:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15-17 Batch: WG1285600-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 07:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15-17 Batch: WG1285600-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Tentatively Identified Compounds

Total TIC Compounds	349	J	ug/kg
Unknown	103	J	ug/kg
Cyclotrisiloxane, Hexamethyl-	116	NJ	ug/kg
Unknown	130	J	ug/kg

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 07:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15-17 Batch: WG1285600-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	91		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,05-11 Batch: WG1284995-3 WG1284995-4								
Methylene chloride	83		98		70-130	17		30
1,1-Dichloroethane	97		95		70-130	2		30
Chloroform	93		94		70-130	1		30
Carbon tetrachloride	100		100		70-130	0		30
1,2-Dichloropropane	95		95		70-130	0		30
Dibromochloromethane	95		93		70-130	2		30
1,1,2-Trichloroethane	92		91		70-130	1		30
Tetrachloroethene	99		98		70-130	1		30
Chlorobenzene	93		92		70-130	1		30
Trichlorofluoromethane	100		98		70-139	2		30
1,2-Dichloroethane	95		94		70-130	1		30
1,1,1-Trichloroethane	99		99		70-130	0		30
Bromodichloromethane	97		96		70-130	1		30
trans-1,3-Dichloropropene	100		97		70-130	3		30
cis-1,3-Dichloropropene	100		100		70-130	0		30
1,1-Dichloropropene	99		99		70-130	0		30
Bromoform	93		92		70-130	1		30
1,1,2,2-Tetrachloroethane	89		87		70-130	2		30
Benzene	96		94		70-130	2		30
Toluene	95		94		70-130	1		30
Ethylbenzene	95		95		70-130	0		30
Chloromethane	97		94		52-130	3		30
Bromomethane	108		85		57-147	24		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,05-11 Batch: WG1284995-3 WG1284995-4								
Vinyl chloride	96		94		67-130	2		30
Chloroethane	102		101		50-151	1		30
1,1-Dichloroethene	96		96		65-135	0		30
trans-1,2-Dichloroethene	98		96		70-130	2		30
Trichloroethene	98		97		70-130	1		30
1,2-Dichlorobenzene	91		91		70-130	0		30
1,3-Dichlorobenzene	93		92		70-130	1		30
1,4-Dichlorobenzene	90		92		70-130	2		30
Methyl tert butyl ether	97		92		66-130	5		30
p/m-Xylene	97		97		70-130	0		30
o-Xylene	94		94		70-130	0		30
cis-1,2-Dichloroethene	97		97		70-130	0		30
Dibromomethane	97		96		70-130	1		30
Styrene	96		97		70-130	1		30
Dichlorodifluoromethane	99		99		30-146	0		30
Acetone	108		97		54-140	11		30
Carbon disulfide	94		93		59-130	1		30
2-Butanone	98		84		70-130	15		30
Vinyl acetate	103		99		70-130	4		30
4-Methyl-2-pentanone	104		98		70-130	6		30
1,2,3-Trichloropropane	88		87		68-130	1		30
2-Hexanone	102		97		70-130	5		30
Bromochloromethane	98		95		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,05-11 Batch: WG1284995-3 WG1284995-4								
2,2-Dichloropropane	100		99		70-130	1		30
1,2-Dibromoethane	95		92		70-130	3		30
1,3-Dichloropropane	94		91		69-130	3		30
1,1,1,2-Tetrachloroethane	95		95		70-130	0		30
Bromobenzene	90		90		70-130	0		30
n-Butylbenzene	95		97		70-130	2		30
sec-Butylbenzene	93		94		70-130	1		30
tert-Butylbenzene	92		93		70-130	1		30
o-Chlorotoluene	91		92		70-130	1		30
p-Chlorotoluene	90		92		70-130	2		30
1,2-Dibromo-3-chloropropane	96		91		68-130	5		30
Hexachlorobutadiene	93		94		67-130	1		30
Isopropylbenzene	92		94		70-130	2		30
p-Isopropyltoluene	94		95		70-130	1		30
Naphthalene	91		89		70-130	2		30
Acrylonitrile	107		95		70-130	12		30
n-Propylbenzene	94		94		70-130	0		30
1,2,3-Trichlorobenzene	93		93		70-130	0		30
1,2,4-Trichlorobenzene	97		96		70-130	1		30
1,3,5-Trimethylbenzene	92		93		70-130	1		30
1,2,4-Trimethylbenzene	92		93		70-130	1		30
1,4-Dioxane	110		91		65-136	19		30
p-Diethylbenzene	94		96		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,05-11 Batch: WG1284995-3 WG1284995-4								
p-Ethyltoluene	93		95		70-130	2		30
1,2,4,5-Tetramethylbenzene	95		96		70-130	1		30
Ethyl ether	95		94		67-130	1		30
trans-1,4-Dichloro-2-butene	102		103		70-130	1		30

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1285064-3 WG1285064-4								
Methylene chloride	83		83		70-130	0		30
1,1-Dichloroethane	95		94		70-130	1		30
Chloroform	102		106		70-130	4		30
Carbon tetrachloride	110		110		70-130	0		30
1,2-Dichloropropane	96		96		70-130	0		30
Dibromochloromethane	96		94		70-130	2		30
1,1,2-Trichloroethane	92		94		70-130	2		30
Tetrachloroethene	92		93		70-130	1		30
Chlorobenzene	90		88		70-130	2		30
Trichlorofluoromethane	117		114		70-139	3		30
1,2-Dichloroethane	112		114		70-130	2		30
1,1,1-Trichloroethane	106		106		70-130	0		30
Bromodichloromethane	103		104		70-130	1		30
trans-1,3-Dichloropropene	95		95		70-130	0		30
cis-1,3-Dichloropropene	98		98		70-130	0		30
1,1-Dichloropropene	98		96		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	84		82		70-130	2		30
Benzene	92		91		70-130	1		30
Toluene	91		90		70-130	1		30
Ethylbenzene	94		93		70-130	1		30
Chloromethane	79		78		52-130	1		30
Bromomethane	73		74		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1285064-3 WG1285064-4								
Vinyl chloride	69		67		67-130	3		30
Chloroethane	71		71		50-151	0		30
1,1-Dichloroethene	74		75		65-135	1		30
trans-1,2-Dichloroethene	83		84		70-130	1		30
Trichloroethene	97		97		70-130	0		30
1,2-Dichlorobenzene	87		87		70-130	0		30
1,3-Dichlorobenzene	87		87		70-130	0		30
1,4-Dichlorobenzene	87		86		70-130	1		30
Methyl tert butyl ether	92		93		66-130	1		30
p/m-Xylene	92		91		70-130	1		30
o-Xylene	92		89		70-130	3		30
cis-1,2-Dichloroethene	91		91		70-130	0		30
Dibromomethane	104		107		70-130	3		30
Styrene	91		90		70-130	1		30
Dichlorodifluoromethane	75		74		30-146	1		30
Acetone	103		103		54-140	0		30
Carbon disulfide	73		73		59-130	0		30
2-Butanone	100		92		70-130	8		30
Vinyl acetate	90		91		70-130	1		30
4-Methyl-2-pentanone	85		81		70-130	5		30
1,2,3-Trichloropropane	91		90		68-130	1		30
2-Hexanone	76		75		70-130	1		30
Bromochloromethane	95		94		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1285064-3 WG1285064-4								
2,2-Dichloropropane	100		103		70-130	3		30
1,2-Dibromoethane	94		91		70-130	3		30
1,3-Dichloropropane	94		91		69-130	3		30
1,1,1,2-Tetrachloroethane	91		90		70-130	1		30
Bromobenzene	83		83		70-130	0		30
n-Butylbenzene	90		90		70-130	0		30
sec-Butylbenzene	84		84		70-130	0		30
tert-Butylbenzene	81		81		70-130	0		30
o-Chlorotoluene	86		83		70-130	4		30
p-Chlorotoluene	86		84		70-130	2		30
1,2-Dibromo-3-chloropropane	84		88		68-130	5		30
Hexachlorobutadiene	90		88		67-130	2		30
Isopropylbenzene	81		80		70-130	1		30
p-Isopropyltoluene	84		83		70-130	1		30
Naphthalene	78		78		70-130	0		30
Acrylonitrile	89		87		70-130	2		30
n-Propylbenzene	86		84		70-130	2		30
1,2,3-Trichlorobenzene	88		88		70-130	0		30
1,2,4-Trichlorobenzene	88		88		70-130	0		30
1,3,5-Trimethylbenzene	85		82		70-130	4		30
1,2,4-Trimethylbenzene	84		84		70-130	0		30
1,4-Dioxane	119		93		65-136	25		30
p-Diethylbenzene	83		82		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1285064-3 WG1285064-4								
p-Ethyltoluene	84		83		70-130	1		30
1,2,4,5-Tetramethylbenzene	82		80		70-130	2		30
Ethyl ether	70		69		67-130	1		30
trans-1,4-Dichloro-2-butene	86		85		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		112		70-130
Toluene-d8	92		91		70-130
4-Bromofluorobenzene	87		85		70-130
Dibromofluoromethane	100		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 12-14 Batch: WG1285068-3 WG1285068-4								
Methylene chloride	83		83		70-130	0		30
1,1-Dichloroethane	95		94		70-130	1		30
Chloroform	102		106		70-130	4		30
Carbon tetrachloride	110		110		70-130	0		30
1,2-Dichloropropane	96		96		70-130	0		30
Dibromochloromethane	96		94		70-130	2		30
1,1,2-Trichloroethane	92		94		70-130	2		30
Tetrachloroethene	92		93		70-130	1		30
Chlorobenzene	90		88		70-130	2		30
Trichlorofluoromethane	117		114		70-139	3		30
1,2-Dichloroethane	112		114		70-130	2		30
1,1,1-Trichloroethane	106		106		70-130	0		30
Bromodichloromethane	103		104		70-130	1		30
trans-1,3-Dichloropropene	95		95		70-130	0		30
cis-1,3-Dichloropropene	98		98		70-130	0		30
1,1-Dichloropropene	98		96		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	84		82		70-130	2		30
Benzene	92		91		70-130	1		30
Toluene	91		90		70-130	1		30
Ethylbenzene	94		93		70-130	1		30
Chloromethane	79		78		52-130	1		30
Bromomethane	73		74		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 12-14 Batch: WG1285068-3 WG1285068-4								
Vinyl chloride	69		67		67-130	3		30
Chloroethane	71		71		50-151	0		30
1,1-Dichloroethene	74		75		65-135	1		30
trans-1,2-Dichloroethene	83		84		70-130	1		30
Trichloroethene	97		97		70-130	0		30
1,2-Dichlorobenzene	87		87		70-130	0		30
1,3-Dichlorobenzene	87		87		70-130	0		30
1,4-Dichlorobenzene	87		86		70-130	1		30
Methyl tert butyl ether	92		93		66-130	1		30
p/m-Xylene	92		91		70-130	1		30
o-Xylene	92		89		70-130	3		30
cis-1,2-Dichloroethene	91		91		70-130	0		30
Dibromomethane	104		107		70-130	3		30
Styrene	91		90		70-130	1		30
Dichlorodifluoromethane	75		74		30-146	1		30
Acetone	103		103		54-140	0		30
Carbon disulfide	73		73		59-130	0		30
2-Butanone	100		92		70-130	8		30
Vinyl acetate	90		91		70-130	1		30
4-Methyl-2-pentanone	85		81		70-130	5		30
1,2,3-Trichloropropane	91		90		68-130	1		30
2-Hexanone	76		75		70-130	1		30
Bromochloromethane	95		94		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 12-14 Batch: WG1285068-3 WG1285068-4								
2,2-Dichloropropane	100		103		70-130	3		30
1,2-Dibromoethane	94		91		70-130	3		30
1,3-Dichloropropane	94		91		69-130	3		30
1,1,1,2-Tetrachloroethane	91		90		70-130	1		30
Bromobenzene	83		83		70-130	0		30
n-Butylbenzene	90		90		70-130	0		30
sec-Butylbenzene	84		84		70-130	0		30
tert-Butylbenzene	81		81		70-130	0		30
o-Chlorotoluene	86		83		70-130	4		30
p-Chlorotoluene	86		84		70-130	2		30
1,2-Dibromo-3-chloropropane	84		88		68-130	5		30
Hexachlorobutadiene	90		88		67-130	2		30
Isopropylbenzene	81		80		70-130	1		30
p-Isopropyltoluene	84		83		70-130	1		30
Naphthalene	78		78		70-130	0		30
Acrylonitrile	89		87		70-130	2		30
n-Propylbenzene	86		84		70-130	2		30
1,2,3-Trichlorobenzene	88		88		70-130	0		30
1,2,4-Trichlorobenzene	88		88		70-130	0		30
1,3,5-Trimethylbenzene	85		82		70-130	4		30
1,2,4-Trimethylbenzene	84		84		70-130	0		30
1,4-Dioxane	119		93		65-136	25		30
p-Diethylbenzene	83		82		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 12-14 Batch: WG1285068-3 WG1285068-4								
p-Ethyltoluene	84		83		70-130	1		30
1,2,4,5-Tetramethylbenzene	82		80		70-130	2		30
Ethyl ether	70		69		67-130	1		30
trans-1,4-Dichloro-2-butene	86		85		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		112		70-130
Toluene-d8	91		91		70-130
4-Bromofluorobenzene	87		85		70-130
Dibromofluoromethane	100		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02,05,07,13-14 Batch: WG1285570-3 WG1285570-4								
Methylene chloride	96		95		70-130	1		30
1,1-Dichloroethane	92		91		70-130	1		30
Chloroform	102		100		70-130	2		30
Carbon tetrachloride	94		92		70-130	2		30
1,2-Dichloropropane	98		97		70-130	1		30
Dibromochloromethane	95		93		70-130	2		30
1,1,2-Trichloroethane	94		91		70-130	3		30
Tetrachloroethene	100		98		70-130	2		30
Chlorobenzene	93		93		70-130	0		30
Trichlorofluoromethane	82		82		70-139	0		30
1,2-Dichloroethane	96		95		70-130	1		30
1,1,1-Trichloroethane	93		93		70-130	0		30
Bromodichloromethane	95		94		70-130	1		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	101		99		70-130	2		30
1,1-Dichloropropene	93		94		70-130	1		30
Bromoform	96		95		70-130	1		30
1,1,2,2-Tetrachloroethane	90		86		70-130	5		30
Benzene	97		95		70-130	2		30
Toluene	93		92		70-130	1		30
Ethylbenzene	94		94		70-130	0		30
Chloromethane	90		89		52-130	1		30
Bromomethane	87		87		57-147	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02,05,07,13-14 Batch: WG1285570-3 WG1285570-4								
Vinyl chloride	81		78		67-130	4		30
Chloroethane	81		82		50-151	1		30
1,1-Dichloroethene	90		88		65-135	2		30
trans-1,2-Dichloroethene	95		95		70-130	0		30
Trichloroethene	96		94		70-130	2		30
1,2-Dichlorobenzene	95		95		70-130	0		30
1,3-Dichlorobenzene	96		95		70-130	1		30
1,4-Dichlorobenzene	99		99		70-130	0		30
Methyl tert butyl ether	93		90		66-130	3		30
p/m-Xylene	96		97		70-130	1		30
o-Xylene	96		96		70-130	0		30
cis-1,2-Dichloroethene	97		97		70-130	0		30
Dibromomethane	98		98		70-130	0		30
Styrene	101		100		70-130	1		30
Dichlorodifluoromethane	82		81		30-146	1		30
Acetone	96		88		54-140	9		30
Carbon disulfide	89		88		59-130	1		30
2-Butanone	77		75		70-130	3		30
Vinyl acetate	88		84		70-130	5		30
4-Methyl-2-pentanone	101		96		70-130	5		30
1,2,3-Trichloropropane	87		84		68-130	4		30
2-Hexanone	90		88		70-130	2		30
Bromochloromethane	102		100		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02,05,07,13-14 Batch: WG1285570-3 WG1285570-4								
2,2-Dichloropropane	92		92		70-130	0		30
1,2-Dibromoethane	97		94		70-130	3		30
1,3-Dichloropropane	92		90		69-130	2		30
1,1,1,2-Tetrachloroethane	96		96		70-130	0		30
Bromobenzene	94		94		70-130	0		30
n-Butylbenzene	90		91		70-130	1		30
sec-Butylbenzene	90		90		70-130	0		30
tert-Butylbenzene	92		91		70-130	1		30
o-Chlorotoluene	99		93		70-130	6		30
p-Chlorotoluene	90		88		70-130	2		30
1,2-Dibromo-3-chloropropane	100		96		68-130	4		30
Hexachlorobutadiene	95		96		67-130	1		30
Isopropylbenzene	90		90		70-130	0		30
p-Isopropyltoluene	93		93		70-130	0		30
Naphthalene	97		92		70-130	5		30
Acrylonitrile	101		97		70-130	4		30
n-Propylbenzene	89		89		70-130	0		30
1,2,3-Trichlorobenzene	101		98		70-130	3		30
1,2,4-Trichlorobenzene	103		100		70-130	3		30
1,3,5-Trimethylbenzene	92		91		70-130	1		30
1,2,4-Trimethylbenzene	94		93		70-130	1		30
1,4-Dioxane	102		95		65-136	7		30
p-Diethylbenzene	96		95		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02,05,07,13-14 Batch: WG1285570-3 WG1285570-4								
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		95		70-130	1		30
Ethyl ether	89		88		67-130	1		30
trans-1,4-Dichloro-2-butene	85		82		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		87		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 15-17 Batch: WG1285572-3 WG1285572-4								
Methylene chloride	96		95		70-130	1		30
1,1-Dichloroethane	92		91		70-130	1		30
Chloroform	102		100		70-130	2		30
Carbon tetrachloride	94		92		70-130	2		30
1,2-Dichloropropane	98		97		70-130	1		30
Dibromochloromethane	95		93		70-130	2		30
1,1,2-Trichloroethane	94		91		70-130	3		30
Tetrachloroethene	100		98		70-130	2		30
Chlorobenzene	93		93		70-130	0		30
Trichlorofluoromethane	82		82		70-139	0		30
1,2-Dichloroethane	96		95		70-130	1		30
1,1,1-Trichloroethane	93		93		70-130	0		30
Bromodichloromethane	95		94		70-130	1		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	101		99		70-130	2		30
1,1-Dichloropropene	93		94		70-130	1		30
Bromoform	96		95		70-130	1		30
1,1,2,2-Tetrachloroethane	90		86		70-130	5		30
Benzene	97		95		70-130	2		30
Toluene	93		92		70-130	1		30
Ethylbenzene	94		94		70-130	0		30
Chloromethane	90		89		52-130	1		30
Bromomethane	87		87		57-147	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 15-17 Batch: WG1285572-3 WG1285572-4								
Vinyl chloride	81		78		67-130	4		30
Chloroethane	81		82		50-151	1		30
1,1-Dichloroethene	90		88		65-135	2		30
trans-1,2-Dichloroethene	95		95		70-130	0		30
Trichloroethene	96		94		70-130	2		30
1,2-Dichlorobenzene	95		95		70-130	0		30
1,3-Dichlorobenzene	96		95		70-130	1		30
1,4-Dichlorobenzene	99		99		70-130	0		30
Methyl tert butyl ether	93		90		66-130	3		30
p/m-Xylene	96		97		70-130	1		30
o-Xylene	96		96		70-130	0		30
cis-1,2-Dichloroethene	97		97		70-130	0		30
Dibromomethane	98		98		70-130	0		30
Styrene	101		100		70-130	1		30
Dichlorodifluoromethane	82		81		30-146	1		30
Acetone	96		88		54-140	9		30
Carbon disulfide	89		88		59-130	1		30
2-Butanone	77		75		70-130	3		30
Vinyl acetate	88		84		70-130	5		30
4-Methyl-2-pentanone	101		96		70-130	5		30
1,2,3-Trichloropropane	87		84		68-130	4		30
2-Hexanone	90		88		70-130	2		30
Bromochloromethane	102		100		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 15-17 Batch: WG1285572-3 WG1285572-4								
2,2-Dichloropropane	92		92		70-130	0		30
1,2-Dibromoethane	97		94		70-130	3		30
1,3-Dichloropropane	92		90		69-130	2		30
1,1,1,2-Tetrachloroethane	96		96		70-130	0		30
Bromobenzene	94		94		70-130	0		30
n-Butylbenzene	90		91		70-130	1		30
sec-Butylbenzene	90		90		70-130	0		30
tert-Butylbenzene	92		91		70-130	1		30
o-Chlorotoluene	99		93		70-130	6		30
p-Chlorotoluene	90		88		70-130	2		30
1,2-Dibromo-3-chloropropane	100		96		68-130	4		30
Hexachlorobutadiene	95		96		67-130	1		30
Isopropylbenzene	90		90		70-130	0		30
p-Isopropyltoluene	93		93		70-130	0		30
Naphthalene	97		92		70-130	5		30
Acrylonitrile	101		97		70-130	4		30
n-Propylbenzene	89		89		70-130	0		30
1,2,3-Trichlorobenzene	101		98		70-130	3		30
1,2,4-Trichlorobenzene	103		100		70-130	3		30
1,3,5-Trimethylbenzene	92		91		70-130	1		30
1,2,4-Trimethylbenzene	94		93		70-130	1		30
1,4-Dioxane	102		95		65-136	7		30
p-Diethylbenzene	96		95		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 15-17 Batch: WG1285572-3 WG1285572-4								
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		95		70-130	1		30
Ethyl ether	89		88		67-130	1		30
trans-1,4-Dichloro-2-butene	85		82		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		87		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-17 Batch: WG1285600-3 WG1285600-4								
Methylene chloride	80		84		70-130	5		30
1,1-Dichloroethane	91		96		70-130	5		30
Chloroform	91		96		70-130	5		30
Carbon tetrachloride	92		98		70-130	6		30
1,2-Dichloropropane	91		95		70-130	4		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	86		87		70-130	1		30
Tetrachloroethene	90		93		70-130	3		30
Chlorobenzene	89		92		70-130	3		30
Trichlorofluoromethane	94		100		70-139	6		30
1,2-Dichloroethane	92		96		70-130	4		30
1,1,1-Trichloroethane	93		100		70-130	7		30
Bromodichloromethane	92		96		70-130	4		30
trans-1,3-Dichloropropene	91		91		70-130	0		30
cis-1,3-Dichloropropene	89		94		70-130	5		30
1,1-Dichloropropene	90		97		70-130	7		30
Bromoform	80		82		70-130	2		30
1,1,2,2-Tetrachloroethane	87		90		70-130	3		30
Benzene	88		93		70-130	6		30
Toluene	87		90		70-130	3		30
Ethylbenzene	89		94		70-130	5		30
Chloromethane	109		115		52-130	5		30
Bromomethane	85		87		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-17 Batch: WG1285600-3 WG1285600-4								
Vinyl chloride	92		100		67-130	8		30
Chloroethane	84		87		50-151	4		30
1,1-Dichloroethene	89		94		65-135	5		30
trans-1,2-Dichloroethene	88		93		70-130	6		30
Trichloroethene	89		94		70-130	5		30
1,2-Dichlorobenzene	86		91		70-130	6		30
1,3-Dichlorobenzene	89		93		70-130	4		30
1,4-Dichlorobenzene	88		92		70-130	4		30
Methyl tert butyl ether	84		87		66-130	4		30
p/m-Xylene	91		94		70-130	3		30
o-Xylene	89		92		70-130	3		30
cis-1,2-Dichloroethene	87		92		70-130	6		30
Dibromomethane	88		90		70-130	2		30
Styrene	89		92		70-130	3		30
Dichlorodifluoromethane	98		104		30-146	6		30
Acetone	112		116		54-140	4		30
Carbon disulfide	84		90		59-130	7		30
2-Butanone	101		107		70-130	6		30
Vinyl acetate	105		109		70-130	4		30
4-Methyl-2-pentanone	91		90		70-130	1		30
1,2,3-Trichloropropane	86		88		68-130	2		30
2-Hexanone	98		102		70-130	4		30
Bromochloromethane	90		93		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-17 Batch: WG1285600-3 WG1285600-4								
2,2-Dichloropropane	88		95		70-130	8		30
1,2-Dibromoethane	89		90		70-130	1		30
1,3-Dichloropropane	87		88		69-130	1		30
1,1,1,2-Tetrachloroethane	93		93		70-130	0		30
Bromobenzene	84		87		70-130	4		30
n-Butylbenzene	94		100		70-130	6		30
sec-Butylbenzene	90		97		70-130	7		30
tert-Butylbenzene	87		94		70-130	8		30
o-Chlorotoluene	88		94		70-130	7		30
p-Chlorotoluene	90		95		70-130	5		30
1,2-Dibromo-3-chloropropane	80		83		68-130	4		30
Hexachlorobutadiene	83		89		67-130	7		30
Isopropylbenzene	88		94		70-130	7		30
p-Isopropyltoluene	90		96		70-130	6		30
Naphthalene	86		89		70-130	3		30
Acrylonitrile	101		103		70-130	2		30
n-Propylbenzene	90		96		70-130	6		30
1,2,3-Trichlorobenzene	88		89		70-130	1		30
1,2,4-Trichlorobenzene	90		94		70-130	4		30
1,3,5-Trimethylbenzene	90		95		70-130	5		30
1,2,4-Trimethylbenzene	90		94		70-130	4		30
1,4-Dioxane	95		100		65-136	5		30
p-Diethylbenzene	88		93		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-17 Batch: WG1285600-3 WG1285600-4								
p-Ethyltoluene	88		94		70-130	7		30
1,2,4,5-Tetramethylbenzene	87		91		70-130	4		30
Ethyl ether	86		86		67-130	0		30
trans-1,4-Dichloro-2-butene	100		106		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	96		96		70-130

SEMIVOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 16:33
Analyst: IM
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	25	J	ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	990		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	70	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01 Date Collected: 09/11/19 09:00

Client ID: WC-A-3 (0-5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	550		ug/kg	110	22.	1
Benzo(a)pyrene	580		ug/kg	150	47.	1
Benzo(b)fluoranthene	780		ug/kg	110	32.	1
Benzo(k)fluoranthene	260		ug/kg	110	31.	1
Chrysene	530		ug/kg	110	20.	1
Acenaphthylene	120	J	ug/kg	150	30.	1
Anthracene	120		ug/kg	110	37.	1
Benzo(ghi)perylene	410		ug/kg	150	22.	1
Fluorene	24	J	ug/kg	190	19.	1
Phenanthrene	400		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	99	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	400		ug/kg	150	27.	1
Pyrene	890		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	22	J	ug/kg	190	18.	1
2-Methylnaphthalene	27	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	49	J	ug/kg	190	19.	1
Tentatively Identified Compounds						
Total TIC Compounds	343	J	ug/kg			1
Unknown	343	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	48		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 16:55
Analyst: IM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	520		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	12000	E	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	120	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02 Date Collected: 09/11/19 09:30

Client ID: WC-A-4 (0-6) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	6000		ug/kg	110	21.	1
Benzo(a)pyrene	5800		ug/kg	150	46.	1
Benzo(b)fluoranthene	7900	E	ug/kg	110	32.	1
Benzo(k)fluoranthene	1800		ug/kg	110	30.	1
Chrysene	5300		ug/kg	110	19.	1
Acenaphthylene	600		ug/kg	150	29.	1
Anthracene	2200		ug/kg	110	36.	1
Benzo(ghi)perylene	4100		ug/kg	150	22.	1
Fluorene	500		ug/kg	190	18.	1
Phenanthrene	7600	E	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	830		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	4000		ug/kg	150	26.	1
Pyrene	12000	E	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	430	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	250		ug/kg	190	18.	1
2-Methylnaphthalene	48	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	680		ug/kg	190	18.	1
Tentatively Identified Compounds						
Total TIC Compounds	9230	J	ug/kg			1
Unknown PAH	1540	J	ug/kg			1
Unknown PAH	728	J	ug/kg			1
Unknown PAH	845	J	ug/kg			1
Unknown	383	J	ug/kg			1
Unknown Ketone	385	J	ug/kg			1
Unknown PAH	1020	J	ug/kg			1
Unknown	299	J	ug/kg			1
Unknown	304	J	ug/kg			1
Unknown	843	J	ug/kg			1
Unknown Ketone	407	J	ug/kg			1
Unknown Thiophene	622	J	ug/kg			1
Unknown	709	J	ug/kg			1
Unknown PAH	325	J	ug/kg			1
Unknown	616	J	ug/kg			1
Unknown	207	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	101		10-136
4-Terphenyl-d14	58		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02 D
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/18/19 14:18
Analyst: JG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	12000		ug/kg	450	86.	4
Benzo(b)fluoranthene	6800		ug/kg	450	130	4
Phenanthrene	7500		ug/kg	450	91.	4
Pyrene	11000		ug/kg	450	74.	4

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 17:19
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	20	J	ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	310		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	150		ug/kg	110	20.	1
Benzo(a)pyrene	140		ug/kg	140	44.	1
Benzo(b)fluoranthene	190		ug/kg	110	30.	1
Benzo(k)fluoranthene	55	J	ug/kg	110	29.	1
Chrysene	160		ug/kg	110	19.	1
Acenaphthylene	31	J	ug/kg	140	28.	1
Anthracene	55	J	ug/kg	110	35.	1
Benzo(ghi)perylene	110	J	ug/kg	140	21.	1
Fluorene	29	J	ug/kg	180	18.	1
Phenanthrene	230		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	95	J	ug/kg	140	25.	1
Pyrene	300		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	20	J	ug/kg	180	18.	1
Tentatively Identified Compounds						
Total TIC Compounds	2800	J	ug/kg			1
Unknown	150	J	ug/kg			1
Unknown Alkane	171	J	ug/kg			1
Unknown Alkane	163	J	ug/kg			1
Unknown Alkane	190	J	ug/kg			1
Unknown Naphthalene	211	J	ug/kg			1
Unknown Alkane	778	J	ug/kg			1
Unknown Phenol	439	J	ug/kg			1
Unknown	173	J	ug/kg			1
Unknown Alkane	179	J	ug/kg			1
Unknown Alkane	163	J	ug/kg			1
Unknown Naphthalene	178	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	54		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 21:56
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 537(M)
Extraction Date: 09/26/19 16:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.04	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.04	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.04	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.065	J	ug/kg	1.04	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.04	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.04	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.04	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.04	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.04	0.142	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.04	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	1.46		ug/kg	1.04	0.135	1
Perfluorodecanoic Acid (PFDA)	0.070	J	ug/kg	1.04	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.04	0.298	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.04	0.209	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.04	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.04	0.159	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	10.4	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.121	J	ug/kg	1.04	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.04	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.04	0.212	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.04	0.056	1
PFOA/PFOS, Total	1.46		ug/kg	1.04	0.044	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	116		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	140		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	56		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	20		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	65		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04 D
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/18/19 15:36
Analyst: JG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1900	J	ug/kg	2800	370	20
1,2,4-Trichlorobenzene	ND		ug/kg	3500	400	20
Hexachlorobenzene	ND		ug/kg	2100	400	20
Bis(2-chloroethyl)ether	ND		ug/kg	3200	480	20
2-Chloronaphthalene	ND		ug/kg	3500	350	20
1,2-Dichlorobenzene	ND		ug/kg	3500	640	20
1,3-Dichlorobenzene	ND		ug/kg	3500	610	20
1,4-Dichlorobenzene	ND		ug/kg	3500	620	20
3,3'-Dichlorobenzidine	ND		ug/kg	3500	940	20
2,4-Dinitrotoluene	ND		ug/kg	3500	710	20
2,6-Dinitrotoluene	ND		ug/kg	3500	610	20
Fluoranthene	41000		ug/kg	2100	410	20
4-Chlorophenyl phenyl ether	ND		ug/kg	3500	380	20
4-Bromophenyl phenyl ether	ND		ug/kg	3500	540	20
Bis(2-chloroisopropyl)ether	ND		ug/kg	4200	610	20
Bis(2-chloroethoxy)methane	ND		ug/kg	3800	360	20
Hexachlorobutadiene	ND		ug/kg	3500	520	20
Hexachlorocyclopentadiene	ND		ug/kg	10000	3200	20
Hexachloroethane	ND		ug/kg	2800	570	20
Isophorone	ND		ug/kg	3200	460	20
Naphthalene	1600	J	ug/kg	3500	430	20
Nitrobenzene	ND		ug/kg	3200	520	20
NDPA/DPA	ND		ug/kg	2800	400	20
n-Nitrosodi-n-propylamine	ND		ug/kg	3500	550	20
Bis(2-ethylhexyl)phthalate	22000		ug/kg	3500	1200	20
Butyl benzyl phthalate	ND		ug/kg	3500	890	20
Di-n-butylphthalate	ND		ug/kg	3500	670	20
Di-n-octylphthalate	ND		ug/kg	3500	1200	20

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04 D
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	3500	330	20
Dimethyl phthalate	ND		ug/kg	3500	740	20
Benzo(a)anthracene	16000		ug/kg	2100	400	20
Benzo(a)pyrene	14000		ug/kg	2800	860	20
Benzo(b)fluoranthene	18000		ug/kg	2100	600	20
Benzo(k)fluoranthene	6000		ug/kg	2100	570	20
Chrysene	17000		ug/kg	2100	370	20
Acenaphthylene	1700	J	ug/kg	2800	550	20
Anthracene	5900		ug/kg	2100	690	20
Benzo(ghi)perylene	8600		ug/kg	2800	420	20
Fluorene	4800		ug/kg	3500	340	20
Phenanthrene	21000		ug/kg	2100	430	20
Dibenzo(a,h)anthracene	2000	J	ug/kg	2100	410	20
Indeno(1,2,3-cd)pyrene	9100		ug/kg	2800	490	20
Pyrene	34000		ug/kg	2100	350	20
Biphenyl	ND		ug/kg	8100	820	20
4-Chloroaniline	ND		ug/kg	3500	640	20
2-Nitroaniline	ND		ug/kg	3500	680	20
3-Nitroaniline	ND		ug/kg	3500	670	20
4-Nitroaniline	ND		ug/kg	3500	1500	20
Dibenzofuran	2000	J	ug/kg	3500	340	20
2-Methylnaphthalene	1200	J	ug/kg	4200	430	20
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	3500	370	20
Acetophenone	ND		ug/kg	3500	440	20
2,4,6-Trichlorophenol	ND		ug/kg	2100	670	20
p-Chloro-m-cresol	ND		ug/kg	3500	530	20
2-Chlorophenol	ND		ug/kg	3500	420	20
2,4-Dichlorophenol	ND		ug/kg	3200	570	20
2,4-Dimethylphenol	ND		ug/kg	3500	1200	20
2-Nitrophenol	ND		ug/kg	7700	1300	20
4-Nitrophenol	ND		ug/kg	5000	1400	20
2,4-Dinitrophenol	ND		ug/kg	17000	1600	20
4,6-Dinitro-o-cresol	ND		ug/kg	9200	1700	20
Pentachlorophenol	ND		ug/kg	2800	780	20
Phenol	ND		ug/kg	3500	540	20
2-Methylphenol	ND		ug/kg	3500	550	20
3-Methylphenol/4-Methylphenol	ND		ug/kg	5100	560	20

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04 D
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	3500	680	20
Benzoic Acid	ND		ug/kg	11000	3600	20
Benzyl Alcohol	ND		ug/kg	3500	1100	20
Carbazole	2600	J	ug/kg	3500	340	20
1,4-Dioxane	ND		ug/kg	530	160	20
Tentatively Identified Compounds						
Total TIC Compounds	92600	J	ug/kg			20
Unknown PAH	4580	J	ug/kg			20
Unknown Alkane	3910	J	ug/kg			20
Unknown PAH	4750	J	ug/kg			20
Unknown PAH	9620	J	ug/kg			20
Unknown	5140	J	ug/kg			20
Unknown Naphthalene	7900	J	ug/kg			20
Unknown	7040	J	ug/kg			20
Unknown PAH	10600	J	ug/kg			20
Unknown	12000	J	ug/kg			20
Unknown	3730	J	ug/kg			20
Unknown	5000	J	ug/kg			20
Unknown Alkane	5500	J	ug/kg			20
Unknown Alkane	5040	J	ug/kg			20
Unknown Alkane	4380	J	ug/kg			20
Unknown Benzene	3450	J	ug/kg			20

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04 D
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	**0**	Q	10-136
4-Terphenyl-d14	**0**	Q	18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 18:04
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	180		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	110		ug/kg	110	21.	1
Benzo(a)pyrene	120	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	150		ug/kg	110	31.	1
Benzo(k)fluoranthene	44	J	ug/kg	110	29.	1
Chrysene	110		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	91	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	58	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	89	J	ug/kg	150	26.	1
Pyrene	180		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	1220	J	ug/kg			1
Unknown	769	J	ug/kg			1
Diisooctyl adipate	210	NJ	ug/kg			1
Unknown	240	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	63		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 22:12
Analyst: JW
Percent Solids: 90%

Extraction Method: EPA 537(M)
Extraction Date: 09/26/19 16:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.05	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.05	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.05	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.05	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.05	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.05	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.05	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.05	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.05	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.05	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	0.571	J	ug/kg	1.05	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.05	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.05	0.301	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.05	0.211	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.05	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.05	0.160	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	10.5	0.103	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.05	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.05	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.05	0.214	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.05	0.057	1
PFOA/PFOS, Total	0.571	J	ug/kg	1.05	0.044	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	77		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	79		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	78		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	73		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	75		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	81		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	77		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	104		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	81		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	83		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	121		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	49		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	78		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	63		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	53		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	68		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	57		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 18:27
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	140		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	73	J	ug/kg	110	20.	1
Benzo(a)pyrene	69	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	91	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	30	J	ug/kg	110	29.	1
Chrysene	81	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	56	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	74	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	51	J	ug/kg	140	25.	1
Pyrene	130		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
Tentatively Identified Compounds						
Total TIC Compounds	1420	J	ug/kg			1
Unknown	414	J	ug/kg			1
Unknown	160	J	ug/kg			1
Unknown	847	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	107		10-136
4-Terphenyl-d14	60		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 18:50
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	64	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	33	J	ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	4100		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	150	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	140	J	ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07 Date Collected: 09/11/19 09:40

Client ID: B-9 (3-4) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	1700		ug/kg	110	21.	1
Benzo(a)pyrene	1600		ug/kg	150	45.	1
Benzo(b)fluoranthene	2100		ug/kg	110	31.	1
Benzo(k)fluoranthene	700		ug/kg	110	30.	1
Chrysene	1800		ug/kg	110	19.	1
Acenaphthylene	370		ug/kg	150	28.	1
Anthracene	490		ug/kg	110	36.	1
Benzo(ghi)perylene	1100		ug/kg	150	22.	1
Fluorene	100	J	ug/kg	180	18.	1
Phenanthrene	2400		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	250		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1100		ug/kg	150	26.	1
Pyrene	3600		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	85	J	ug/kg	180	17.	1
2-Methylnaphthalene	41	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	180		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1
Tentatively Identified Compounds						
Total TIC Compounds	4480	J	ug/kg			1
Unknown Phenanthrene	243	J	ug/kg			1
Unknown	193	J	ug/kg			1
Unknown	682	J	ug/kg			1
Unknown PAH	482	J	ug/kg			1
Unknown PAH	346	J	ug/kg			1
Unknown PAH	530	J	ug/kg			1
Unknown	173	J	ug/kg			1
Dibenzothiophene	176	NJ	ug/kg			1
Unknown	176	J	ug/kg			1
Unknown	404	J	ug/kg			1
Unknown Ketone	212	J	ug/kg			1
Unknown	214	J	ug/kg			1
Unknown PAH	200	J	ug/kg			1
Unknown PAH	292	J	ug/kg			1
Unknown	159	J	ug/kg			1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	109		25-120
Phenol-d6	117		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	97		30-120
2,4,6-Tribromophenol	135		10-136
4-Terphenyl-d14	79		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 22:29
Analyst: JW
Percent Solids: 90%

Extraction Method: EPA 537(M)
Extraction Date: 09/26/19 16:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.05	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.05	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.05	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.058	J	ug/kg	1.05	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.05	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.05	0.064	1
Perfluorooctanoic Acid (PFOA)	0.059	J	ug/kg	1.05	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.05	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.05	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.05	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	0.402	J	ug/kg	1.05	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.05	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.05	0.301	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.05	0.212	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.05	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.05	0.161	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	10.5	0.103	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.05	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.05	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.05	0.215	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.05	0.057	1
PFOA/PFOS, Total	0.461	J	ug/kg	1.05	0.044	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	90		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	86		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	92		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	118		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	127		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	4		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	81		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 19:13
Analyst: IM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	560	J	ug/kg			1
Unknown Phenol	560	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	53		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 22:45
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 537(M)
Extraction Date: 09/26/19 16:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.02	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.02	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.02	0.040	1
Perfluorohexanoic Acid (PFHxA)	0.057	J	ug/kg	1.02	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.02	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.02	0.061	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.02	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.874	J	ug/kg	1.02	0.182	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.02	0.139	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.02	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	0.221	J	ug/kg	1.02	0.132	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.02	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.02	0.292	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.02	0.205	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.02	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.02	0.155	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	10.2	0.100	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.02	0.086	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.02	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.02	0.208	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.02	0.055	1
PFOA/PFOS, Total	0.221	J	ug/kg	1.02	0.043	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	140		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	160		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	8		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	58		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 19:36
Analyst: IM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09 Date Collected: 09/11/19 10:45

Client ID: B-14 (8-9) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1
Tentatively Identified Compounds						
Total TIC Compounds	348	J	ug/kg			1
Unknown	348	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	59		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 23:02
Analyst: JW
Percent Solids: 93%

Extraction Method: EPA 537(M)
Extraction Date: 09/26/19 16:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.967	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.967	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.967	0.038	1
Perfluorohexanoic Acid (PFHxA)	0.057	J	ug/kg	0.967	0.051	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.967	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.967	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.967	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.384	J	ug/kg	0.967	0.174	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.967	0.132	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.967	0.073	1
Perfluorooctanesulfonic Acid (PFOS)	0.183	J	ug/kg	0.967	0.126	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.967	0.065	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.967	0.277	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.967	0.195	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.967	0.045	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.967	0.148	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	9.70	0.095	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.967	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.967	0.068	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.967	0.198	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.967	0.052	1
PFOA/PFOS, Total	0.183	J	ug/kg	0.967	0.041	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	122		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	156		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	2		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	74		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 19:59
Analyst: IM
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	350		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	180		ug/kg	100	19.	1
Benzo(a)pyrene	180		ug/kg	140	42.	1
Benzo(b)fluoranthene	220		ug/kg	100	29.	1
Benzo(k)fluoranthene	73	J	ug/kg	100	27.	1
Chrysene	180		ug/kg	100	18.	1
Acenaphthylene	36	J	ug/kg	140	26.	1
Anthracene	57	J	ug/kg	100	33.	1
Benzo(ghi)perylene	130	J	ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	210		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	140	24.	1
Pyrene	320		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	23	J	ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1
Tentatively Identified Compounds						
Total TIC Compounds	529	J	ug/kg			1
Unknown	361	J	ug/kg			1
Unknown	168	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	49		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 23:18
Analyst: JW
Percent Solids: 96%

Extraction Method: EPA 537(M)
Extraction Date: 09/26/19 16:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.02	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.02	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.02	0.040	1
Perfluorohexanoic Acid (PFHxA)	0.075	J	ug/kg	1.02	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.02	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.02	0.062	1
Perfluorooctanoic Acid (PFOA)	0.057	J	ug/kg	1.02	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.301	J	ug/kg	1.02	0.184	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.02	0.140	1
Perfluorononanoic Acid (PFNA)	0.098	J	ug/kg	1.02	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	1.40		ug/kg	1.02	0.133	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.02	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.02	0.294	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.02	0.207	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.02	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.02	0.157	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	10.2	0.100	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.02	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.02	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.02	0.210	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.02	0.055	1
PFOA/PFOS, Total	1.46	J	ug/kg	1.02	0.043	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	105		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	142		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	186		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	80		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	88		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	90		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 19:57
Analyst: CB
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	460		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	220		ug/kg	180	61.	1
Butyl benzyl phthalate	1300		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	240		ug/kg	100	20.	1
Benzo(a)pyrene	240		ug/kg	140	43.	1
Benzo(b)fluoranthene	320		ug/kg	100	30.	1
Benzo(k)fluoranthene	110		ug/kg	100	28.	1
Chrysene	230		ug/kg	100	18.	1
Acenaphthylene	69	J	ug/kg	140	27.	1
Anthracene	59	J	ug/kg	100	34.	1
Benzo(ghi)perylene	150		ug/kg	140	21.	1
Fluorene	17	J	ug/kg	180	17.	1
Phenanthrene	210		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	39	J	ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	160		ug/kg	140	24.	1
Pyrene	420		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	72.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	22	J	ug/kg	180	17.	1
Tentatively Identified Compounds						
Total TIC Compounds	682	J	ug/kg			1
Unknown Phenol	163	J	ug/kg			1
Unknown	144	J	ug/kg			1
Unknown	375	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	53		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 20:21
Analyst: CB
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	58	J	ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	2800		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	31	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	1100		ug/kg	110	20.	1
Benzo(a)pyrene	950		ug/kg	140	43.	1
Benzo(b)fluoranthene	1200		ug/kg	110	30.	1
Benzo(k)fluoranthene	430		ug/kg	110	28.	1
Chrysene	1000		ug/kg	110	18.	1
Acenaphthylene	300		ug/kg	140	27.	1
Anthracene	350		ug/kg	110	34.	1
Benzo(ghi)perylene	570		ug/kg	140	21.	1
Fluorene	100	J	ug/kg	180	17.	1
Phenanthrene	1500		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	140		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	610		ug/kg	140	25.	1
Pyrene	2500		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	42	J	ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	76	J	ug/kg	180	17.	1
Tentatively Identified Compounds						
Total TIC Compounds	10200	J	ug/kg			1
Unknown PAH	2660	J	ug/kg			1
Unknown	465	J	ug/kg			1
Unknown PAH	274	J	ug/kg			1
Unknown PAH	704	J	ug/kg			1
Unknown PAH	354	J	ug/kg			1
Unknown	279	J	ug/kg			1
Unknown	426	J	ug/kg			1
Unknown	266	J	ug/kg			1
Unknown	272	J	ug/kg			1
Unknown PAH	1420	J	ug/kg			1
Unknown	899	J	ug/kg			1
Unknown PAH	252	J	ug/kg			1
Unknown PAH	270	J	ug/kg			1
Unknown Carbazole	1340	J	ug/kg			1
Unknown Phenol	271	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	50		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13 D2
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/18/19 17:12
Analyst: JG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	150000		ug/kg	5400	1000	50
Phenanthrene	100000		ug/kg	5400	1100	50
Pyrene	130000		ug/kg	5400	900	50

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13 D
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/18/19 13:52
Analyst: JG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	3400		ug/kg	1400	190	10
1,2,4-Trichlorobenzene	ND		ug/kg	1800	210	10
Hexachlorobenzene	ND		ug/kg	1100	200	10
Bis(2-chloroethyl)ether	ND		ug/kg	1600	240	10
2-Chloronaphthalene	ND		ug/kg	1800	180	10
1,2-Dichlorobenzene	ND		ug/kg	1800	320	10
1,3-Dichlorobenzene	ND		ug/kg	1800	310	10
1,4-Dichlorobenzene	ND		ug/kg	1800	320	10
3,3'-Dichlorobenzidine	ND		ug/kg	1800	480	10
2,4-Dinitrotoluene	ND		ug/kg	1800	360	10
2,6-Dinitrotoluene	ND		ug/kg	1800	310	10
Fluoranthene	120000	E	ug/kg	1100	210	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1800	190	10
4-Bromophenyl phenyl ether	ND		ug/kg	1800	280	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2200	310	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2000	180	10
Hexachlorobutadiene	ND		ug/kg	1800	260	10
Hexachlorocyclopentadiene	ND		ug/kg	5200	1600	10
Hexachloroethane	ND		ug/kg	1400	290	10
Isophorone	ND		ug/kg	1600	240	10
Naphthalene	4300		ug/kg	1800	220	10
Nitrobenzene	ND		ug/kg	1600	270	10
NDPA/DPA	ND		ug/kg	1400	210	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1800	280	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1800	630	10
Butyl benzyl phthalate	ND		ug/kg	1800	460	10
Di-n-butylphthalate	ND		ug/kg	1800	340	10
Di-n-octylphthalate	ND		ug/kg	1800	620	10

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13 D
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1800	170	10
Dimethyl phthalate	ND		ug/kg	1800	380	10
Benzo(a)anthracene	64000		ug/kg	1100	200	10
Benzo(a)pyrene	56000		ug/kg	1400	440	10
Benzo(b)fluoranthene	69000		ug/kg	1100	300	10
Benzo(k)fluoranthene	25000		ug/kg	1100	290	10
Chrysene	61000		ug/kg	1100	190	10
Acenaphthylene	12000		ug/kg	1400	280	10
Anthracene	18000		ug/kg	1100	350	10
Benzo(ghi)perylene	34000		ug/kg	1400	210	10
Fluorene	6600		ug/kg	1800	180	10
Phenanthrene	85000	E	ug/kg	1100	220	10
Dibenzo(a,h)anthracene	8600		ug/kg	1100	210	10
Indeno(1,2,3-cd)pyrene	36000		ug/kg	1400	250	10
Pyrene	120000	E	ug/kg	1100	180	10
Biphenyl	540	J	ug/kg	4100	420	10
4-Chloroaniline	ND		ug/kg	1800	330	10
2-Nitroaniline	ND		ug/kg	1800	350	10
3-Nitroaniline	ND		ug/kg	1800	340	10
4-Nitroaniline	ND		ug/kg	1800	750	10
Dibenzofuran	4100		ug/kg	1800	170	10
2-Methylnaphthalene	1800	J	ug/kg	2200	220	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	190	10
Acetophenone	ND		ug/kg	1800	220	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	340	10
p-Chloro-m-cresol	ND		ug/kg	1800	270	10
2-Chlorophenol	ND		ug/kg	1800	210	10
2,4-Dichlorophenol	ND		ug/kg	1600	290	10
2,4-Dimethylphenol	ND		ug/kg	1800	600	10
2-Nitrophenol	ND		ug/kg	3900	680	10
4-Nitrophenol	ND		ug/kg	2500	740	10
2,4-Dinitrophenol	ND		ug/kg	8700	840	10
4,6-Dinitro-o-cresol	ND		ug/kg	4700	870	10
Pentachlorophenol	ND		ug/kg	1400	400	10
Phenol	270	J	ug/kg	1800	270	10
2-Methylphenol	ND		ug/kg	1800	280	10
3-Methylphenol/4-Methylphenol	430	J	ug/kg	2600	280	10

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13 D
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1800	350	10
Benzoic Acid	ND		ug/kg	5900	1800	10
Benzyl Alcohol	ND		ug/kg	1800	550	10
Carbazole	6100		ug/kg	1800	180	10
Tentatively Identified Compounds						
Total TIC Compounds	261000	J	ug/kg			10
Unknown	11500	J	ug/kg			10
Unknown PAH	13800	J	ug/kg			10
Unknown PAH	13900	J	ug/kg			10
Unknown PAH	29400	J	ug/kg			10
Unknown PAH	40800	J	ug/kg			10
Unknown PAH	11700	J	ug/kg			10
Unknown	13800	J	ug/kg			10
Unknown Ketone	12700	J	ug/kg			10
Unknown PAH	10900	J	ug/kg			10
Unknown PAH	12500	J	ug/kg			10
Unknown PAH	10800	J	ug/kg			10
Unknown PAH	18000	J	ug/kg			10
Unknown PAH	22800	J	ug/kg			10
Unknown	14200	J	ug/kg			10
Unknown	24400	J	ug/kg			10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		25-120
Phenol-d6	43		10-120
Nitrobenzene-d5	35		23-120
2-Fluorobiphenyl	34		30-120
2,4,6-Tribromophenol	45		10-136
4-Terphenyl-d14	44		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 14:53
Analyst: CB
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14 Date Collected: 09/11/19 12:05

Client ID: B-8 (5-6) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	55		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 15:17
Analyst: CB
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	29.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	24.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	150	1
Hexachloroethane	ND		ug/kg	130	27.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	20.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	130	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.	1
Butyl benzyl phthalate	ND		ug/kg	170	42.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	57.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	35.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	28.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	17.	1
Acenaphthylene	ND		ug/kg	130	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	130	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	20.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	380	39.	1
4-Chloroaniline	ND		ug/kg	170	30.	1
2-Nitroaniline	ND		ug/kg	170	32.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	69.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	55.	1
2-Nitrophenol	ND		ug/kg	360	63.	1
4-Nitrophenol	ND		ug/kg	230	68.	1
2,4-Dinitrophenol	ND		ug/kg	800	78.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	80.	1
Pentachlorophenol	ND		ug/kg	130	37.	1
Phenol	ND		ug/kg	170	25.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	32.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	51.	1
Carbazole	ND		ug/kg	170	16.	1
Tentatively Identified Compounds						
Total TIC Compounds	987	J	ug/kg			1
Unknown	400	J	ug/kg			1
Unknown	197	J	ug/kg			1
Unknown	390	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	61		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 15:41
Analyst: CB
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	36	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16 Date Collected: 09/11/19 12:20

Client ID: B-3 (6-7) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	25	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	30	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
Tentatively Identified Compounds						
Total TIC Compounds	726	J	ug/kg			1
Unknown	344	J	ug/kg			1
Unknown	382	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	71		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/18/19 05:37
Analyst: KR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 20:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	97	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	44	J	ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	56	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	50	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	33	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	64	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	33	J	ug/kg	140	25.	1
Pyrene	88	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1
Tentatively Identified Compounds						
Total TIC Compounds	5340	J	ug/kg			1
Unknown	1310	J	ug/kg			1
Unknown	1470	J	ug/kg			1
Unknown	1440	J	ug/kg			1
Unknown	1120	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	55		10-136
4-Terphenyl-d14	53		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 23:35
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 537(M)
Extraction Date: 09/26/19 16:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.04	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.04	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.04	0.040	1
Perfluorohexanoic Acid (PFHxA)	0.060	J	ug/kg	1.04	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.04	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.04	0.063	1
Perfluorooctanoic Acid (PFOA)	0.174	J	ug/kg	1.04	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.285	J	ug/kg	1.04	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.04	0.141	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.04	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.655	J	ug/kg	1.04	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.04	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.04	0.297	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.04	0.209	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.04	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.04	0.158	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	10.4	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.04	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.04	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.04	0.212	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.04	0.056	1
PFOA/PFOS, Total	0.829	J	ug/kg	1.04	0.043	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	93		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	121		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	156		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	57		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	5		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	60		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/19 11:36
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-16 Batch: WG1284077-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/19 11:36
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-16 Batch: WG1284077-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/19 11:36
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-16 Batch: WG1284077-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	68		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/19 00:00
Analyst: KR

Extraction Method: EPA 3546
Extraction Date: 09/14/19 20:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1284271-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/19 00:00
Analyst: KR

Extraction Method: EPA 3546
Extraction Date: 09/14/19 20:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1284271-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/19 00:00
Analyst: KR

Extraction Method: EPA 3546
Extraction Date: 09/14/19 20:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1284271-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	60		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 10/01/19 02:54
Analyst: JW

Extraction Method: EPA 537(M)
Extraction Date: 09/26/19 16:07

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04-05,07-10,17 Batch: WG1288952-1					
Perfluorobutanoic Acid (PFBA)	0.155	J	ug/kg	1.00	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.00	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.00	0.039
Perfluorohexanoic Acid (PFHxA)	0.056	J	ug/kg	1.00	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.00	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.00	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.00	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.00	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.00	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.00	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.00	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.00	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.00	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.00	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.00	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.00	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	10.0	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.00	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.00	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.00	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.00	0.054
PFOA/PFOS, Total	ND		ug/kg	1.00	0.042

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 10/01/19 02:54
Analyst: JW

Extraction Method: EPA 537(M)
Extraction Date: 09/26/19 16:07

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04-05,07-10,17 Batch: WG1288952-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	73		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	77		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	73		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	78		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	123		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	142		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	1		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		26-160

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-16 Batch: WG1284077-2 WG1284077-3								
Acenaphthene	71		69		31-137	3		50
1,2,4-Trichlorobenzene	70		63		38-107	11		50
Hexachlorobenzene	78		79		40-140	1		50
Bis(2-chloroethyl)ether	63		56		40-140	12		50
2-Chloronaphthalene	75		70		40-140	7		50
1,2-Dichlorobenzene	66		61		40-140	8		50
1,3-Dichlorobenzene	64		59		40-140	8		50
1,4-Dichlorobenzene	64		60		28-104	6		50
3,3'-Dichlorobenzidine	64		65		40-140	2		50
2,4-Dinitrotoluene	82		80		40-132	2		50
2,6-Dinitrotoluene	84		83		40-140	1		50
Fluoranthene	76		74		40-140	3		50
4-Chlorophenyl phenyl ether	74		71		40-140	4		50
4-Bromophenyl phenyl ether	77		75		40-140	3		50
Bis(2-chloroisopropyl)ether	60		53		40-140	12		50
Bis(2-chloroethoxy)methane	68		63		40-117	8		50
Hexachlorobutadiene	72		64		40-140	12		50
Hexachlorocyclopentadiene	52		44		40-140	17		50
Hexachloroethane	66		61		40-140	8		50
Isophorone	72		67		40-140	7		50
Naphthalene	69		62		40-140	11		50
Nitrobenzene	71		64		40-140	10		50
NDPA/DPA	76		74		36-157	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-16 Batch: WG1284077-2 WG1284077-3								
n-Nitrosodi-n-propylamine	72		66		32-121	9		50
Bis(2-ethylhexyl)phthalate	76		72		40-140	5		50
Butyl benzyl phthalate	84		82		40-140	2		50
Di-n-butylphthalate	79		77		40-140	3		50
Di-n-octylphthalate	76		72		40-140	5		50
Diethyl phthalate	77		77		40-140	0		50
Dimethyl phthalate	82		80		40-140	2		50
Benzo(a)anthracene	72		70		40-140	3		50
Benzo(a)pyrene	70		69		40-140	1		50
Benzo(b)fluoranthene	78		72		40-140	8		50
Benzo(k)fluoranthene	72		74		40-140	3		50
Chrysene	70		67		40-140	4		50
Acenaphthylene	77		74		40-140	4		50
Anthracene	74		73		40-140	1		50
Benzo(ghi)perylene	73		70		40-140	4		50
Fluorene	75		73		40-140	3		50
Phenanthrene	70		68		40-140	3		50
Dibenzo(a,h)anthracene	74		72		40-140	3		50
Indeno(1,2,3-cd)pyrene	76		73		40-140	4		50
Pyrene	75		73		35-142	3		50
Biphenyl	77		72		37-127	7		50
4-Chloroaniline	65		70		40-140	7		50
2-Nitroaniline	83		80		47-134	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-16 Batch: WG1284077-2 WG1284077-3								
3-Nitroaniline	63		65		26-129	3		50
4-Nitroaniline	68		69		41-125	1		50
Dibenzofuran	72		70		40-140	3		50
2-Methylnaphthalene	73		68		40-140	7		50
1,2,4,5-Tetrachlorobenzene	77		71		40-117	8		50
Acetophenone	72		66		14-144	9		50
2,4,6-Trichlorophenol	82		76		30-130	8		50
p-Chloro-m-cresol	80		76		26-103	5		50
2-Chlorophenol	70		62		25-102	12		50
2,4-Dichlorophenol	78		73		30-130	7		50
2,4-Dimethylphenol	80		72		30-130	11		50
2-Nitrophenol	77		72		30-130	7		50
4-Nitrophenol	85		84		11-114	1		50
2,4-Dinitrophenol	72		63		4-130	13		50
4,6-Dinitro-o-cresol	85		79		10-130	7		50
Pentachlorophenol	62		60		17-109	3		50
Phenol	69		63		26-90	9		50
2-Methylphenol	73		66		30-130.	10		50
3-Methylphenol/4-Methylphenol	71		74		30-130	4		50
2,4,5-Trichlorophenol	81		79		30-130	3		50
Benzoic Acid	28		20		10-110	33		50
Benzyl Alcohol	73		66		40-140	10		50
Carbazole	74		71		54-128	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-16 Batch: WG1284077-2 WG1284077-3								
1,4-Dioxane	47		44		40-140	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	70		61		25-120
Phenol-d6	72		65		10-120
Nitrobenzene-d5	59		54		23-120
2-Fluorobiphenyl	62		59		30-120
2,4,6-Tribromophenol	88		86		10-136
4-Terphenyl-d14	64		64		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1284271-2 WG1284271-3								
Acenaphthene	71		76		31-137	7		50
1,2,4-Trichlorobenzene	71		78		38-107	9		50
Hexachlorobenzene	78		84		40-140	7		50
Bis(2-chloroethyl)ether	67		72		40-140	7		50
2-Chloronaphthalene	75		82		40-140	9		50
1,2-Dichlorobenzene	71		78		40-140	9		50
1,3-Dichlorobenzene	71		77		40-140	8		50
1,4-Dichlorobenzene	70		76		28-104	8		50
3,3'-Dichlorobenzidine	58		64		40-140	10		50
2,4-Dinitrotoluene	80		87		40-132	8		50
2,6-Dinitrotoluene	81		86		40-140	6		50
Fluoranthene	78		81		40-140	4		50
4-Chlorophenyl phenyl ether	75		82		40-140	9		50
4-Bromophenyl phenyl ether	76		81		40-140	6		50
Bis(2-chloroisopropyl)ether	58		64		40-140	10		50
Bis(2-chloroethoxy)methane	67		75		40-117	11		50
Hexachlorobutadiene	74		80		40-140	8		50
Hexachlorocyclopentadiene	67		72		40-140	7		50
Hexachloroethane	70		76		40-140	8		50
Isophorone	68		74		40-140	8		50
Naphthalene	73		78		40-140	7		50
Nitrobenzene	66		72		40-140	9		50
NDPA/DPA	75		80		36-157	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1284271-2 WG1284271-3								
n-Nitrosodi-n-propylamine	67		74		32-121	10		50
Bis(2-ethylhexyl)phthalate	80		83		40-140	4		50
Butyl benzyl phthalate	81		86		40-140	6		50
Di-n-butylphthalate	80		86		40-140	7		50
Di-n-octylphthalate	79		83		40-140	5		50
Diethyl phthalate	78		81		40-140	4		50
Dimethyl phthalate	77		82		40-140	6		50
Benzo(a)anthracene	75		79		40-140	5		50
Benzo(a)pyrene	73		78		40-140	7		50
Benzo(b)fluoranthene	76		80		40-140	5		50
Benzo(k)fluoranthene	76		83		40-140	9		50
Chrysene	75		79		40-140	5		50
Acenaphthylene	77		83		40-140	8		50
Anthracene	76		81		40-140	6		50
Benzo(ghi)perylene	78		82		40-140	5		50
Fluorene	76		82		40-140	8		50
Phenanthrene	76		80		40-140	5		50
Dibenzo(a,h)anthracene	78		81		40-140	4		50
Indeno(1,2,3-cd)pyrene	78		82		40-140	5		50
Pyrene	76		81		35-142	6		50
Biphenyl	75		82		37-127	9		50
4-Chloroaniline	60		68		40-140	13		50
2-Nitroaniline	76		83		47-134	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1284271-2 WG1284271-3								
3-Nitroaniline	62		70		26-129	12		50
4-Nitroaniline	69		74		41-125	7		50
Dibenzofuran	76		81		40-140	6		50
2-Methylnaphthalene	74		80		40-140	8		50
1,2,4,5-Tetrachlorobenzene	76		83		40-117	9		50
Acetophenone	75		81		14-144	8		50
2,4,6-Trichlorophenol	78		85		30-130	9		50
p-Chloro-m-cresol	76		81		26-103	6		50
2-Chlorophenol	76		82		25-102	8		50
2,4-Dichlorophenol	75		82		30-130	9		50
2,4-Dimethylphenol	72		78		30-130	8		50
2-Nitrophenol	76		84		30-130	10		50
4-Nitrophenol	71		76		11-114	7		50
2,4-Dinitrophenol	65		67		4-130	3		50
4,6-Dinitro-o-cresol	75		77		10-130	3		50
Pentachlorophenol	75		80		17-109	6		50
Phenol	70		76		26-90	8		50
2-Methylphenol	73		79		30-130.	8		50
3-Methylphenol/4-Methylphenol	73		80		30-130	9		50
2,4,5-Trichlorophenol	81		87		30-130	7		50
Benzoic Acid	39		39		10-110	0		50
Benzyl Alcohol	69		75		40-140	8		50
Carbazole	82		84		54-128	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1284271-2 WG1284271-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		82		25-120
Phenol-d6	72		77		10-120
Nitrobenzene-d5	53		59		23-120
2-Fluorobiphenyl	61		66		30-120
2,4,6-Tribromophenol	81		86		10-136
4-Terphenyl-d14	66		69		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-05,07-10,17 Batch: WG1288952-2 WG1288952-3								
Perfluorobutanoic Acid (PFBA)	111		113		71-135	2		30
Perfluoropentanoic Acid (PFPeA)	110		111		69-132	1		30
Perfluorobutanesulfonic Acid (PFBS)	111		114		72-128	3		30
Perfluorohexanoic Acid (PFHxA)	111		113		70-132	2		30
Perfluoroheptanoic Acid (PFHpA)	113		112		71-131	1		30
Perfluorohexanesulfonic Acid (PFHxS)	112		114		67-130	2		30
Perfluorooctanoic Acid (PFOA)	118		113		69-133	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	114		125		64-140	9		30
Perfluoroheptanesulfonic Acid (PFHpS)	106		108		70-132	2		30
Perfluorononanoic Acid (PFNA)	111		110		72-129	1		30
Perfluorooctanesulfonic Acid (PFOS)	110		106		68-136	4		30
Perfluorodecanoic Acid (PFDA)	113		114		69-133	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	100		113		65-137	12		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	110		126		63-144	14		30
Perfluoroundecanoic Acid (PFUnA)	108		111		64-136	3		30
Perfluorodecanesulfonic Acid (PFDS)	112		111		59-134	1		30
Perfluorooctanesulfonamide (FOSA)	130		**218**	Q	67-137	**51**	Q	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	123		109		61-139	12		30
Perfluorododecanoic Acid (PFDoA)	113		116		69-135	3		30
Perfluorotridecanoic Acid (PFTrDA)	123		131		66-139	6		30
Perfluorotetradecanoic Acid (PFTA)	106		110		69-133	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-05,07-10,17 Batch: WG1288952-2 WG1288952-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	68		67		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	73		73		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		90		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		75		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	75		82		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101		89		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		89		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	130		115		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	86		93		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		94		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		90		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	157		138		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		78		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		96		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	1		1		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	63		68		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		83		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	72		73		26-160

PCBS

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/16/19 17:18
Analyst: HT
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.7	3.44	1	A
Aroclor 1221	ND		ug/kg	38.7	3.88	1	A
Aroclor 1232	ND		ug/kg	38.7	8.21	1	A
Aroclor 1242	ND		ug/kg	38.7	5.22	1	A
Aroclor 1248	ND		ug/kg	38.7	5.81	1	A
Aroclor 1254	ND		ug/kg	38.7	4.24	1	A
Aroclor 1260	ND		ug/kg	38.7	7.15	1	A
Aroclor 1262	ND		ug/kg	38.7	4.92	1	A
Aroclor 1268	ND		ug/kg	38.7	4.01	1	A
PCBs, Total	ND		ug/kg	38.7	3.44	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/16/19 17:30
Analyst: HT
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/16/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/16/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.2	3.13	1	A
Aroclor 1221	ND		ug/kg	35.2	3.53	1	A
Aroclor 1232	ND		ug/kg	35.2	7.47	1	A
Aroclor 1242	ND		ug/kg	35.2	4.75	1	A
Aroclor 1248	ND		ug/kg	35.2	5.29	1	A
Aroclor 1254	ND		ug/kg	35.2	3.86	1	A
Aroclor 1260	ND		ug/kg	35.2	6.52	1	A
Aroclor 1262	ND		ug/kg	35.2	4.48	1	A
Aroclor 1268	ND		ug/kg	35.2	3.65	1	A
PCBs, Total	ND		ug/kg	35.2	3.13	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	38		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/16/19 17:06
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.4	3.24	1	A
Aroclor 1221	ND		ug/kg	36.4	3.65	1	A
Aroclor 1232	ND		ug/kg	36.4	7.72	1	A
Aroclor 1242	ND		ug/kg	36.4	4.91	1	A
Aroclor 1248	ND		ug/kg	36.4	5.46	1	A
Aroclor 1254	ND		ug/kg	36.4	3.99	1	A
Aroclor 1260	ND		ug/kg	36.4	6.73	1	A
Aroclor 1262	ND		ug/kg	36.4	4.63	1	A
Aroclor 1268	ND		ug/kg	36.4	3.77	1	A
PCBs, Total	ND		ug/kg	36.4	3.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 16:04
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/16/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/16/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.4	3.06	1	A
Aroclor 1221	ND		ug/kg	34.4	3.45	1	A
Aroclor 1232	ND		ug/kg	34.4	7.30	1	A
Aroclor 1242	70.2		ug/kg	34.4	4.64	1	B
Aroclor 1248	ND		ug/kg	34.4	5.17	1	A
Aroclor 1254	26.3	J	ug/kg	34.4	3.77	1	B
Aroclor 1260	11.0	J	ug/kg	34.4	6.37	1	A
Aroclor 1262	ND		ug/kg	34.4	4.38	1	A
Aroclor 1268	4.73	J	ug/kg	34.4	3.57	1	B
PCBs, Total	112	J	ug/kg	34.4	3.06	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	33		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/16/19 16:43
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.0	3.28	1	A
Aroclor 1221	ND		ug/kg	37.0	3.70	1	A
Aroclor 1232	ND		ug/kg	37.0	7.84	1	A
Aroclor 1242	ND		ug/kg	37.0	4.98	1	A
Aroclor 1248	ND		ug/kg	37.0	5.55	1	A
Aroclor 1254	ND		ug/kg	37.0	4.04	1	A
Aroclor 1260	ND		ug/kg	37.0	6.83	1	A
Aroclor 1262	ND		ug/kg	37.0	4.70	1	A
Aroclor 1268	ND		ug/kg	37.0	3.83	1	A
PCBs, Total	ND		ug/kg	37.0	3.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/16/19 16:55
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/16/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/16/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.9	3.10	1	A
Aroclor 1221	ND		ug/kg	34.9	3.50	1	A
Aroclor 1232	ND		ug/kg	34.9	7.40	1	A
Aroclor 1242	ND		ug/kg	34.9	4.71	1	A
Aroclor 1248	ND		ug/kg	34.9	5.24	1	A
Aroclor 1254	ND		ug/kg	34.9	3.82	1	A
Aroclor 1260	ND		ug/kg	34.9	6.46	1	A
Aroclor 1262	ND		ug/kg	34.9	4.44	1	A
Aroclor 1268	ND		ug/kg	34.9	3.62	1	A
PCBs, Total	ND		ug/kg	34.9	3.10	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 13:49
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	3.18	1	A
Aroclor 1221	ND		ug/kg	35.8	3.59	1	A
Aroclor 1232	ND		ug/kg	35.8	7.59	1	A
Aroclor 1242	ND		ug/kg	35.8	4.83	1	A
Aroclor 1248	ND		ug/kg	35.8	5.37	1	A
Aroclor 1254	ND		ug/kg	35.8	3.92	1	A
Aroclor 1260	ND		ug/kg	35.8	6.62	1	A
Aroclor 1262	ND		ug/kg	35.8	4.55	1	A
Aroclor 1268	ND		ug/kg	35.8	3.71	1	A
PCBs, Total	ND		ug/kg	35.8	3.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	35		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 01:27
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.2	3.04	1	A
Aroclor 1221	ND		ug/kg	34.2	3.43	1	A
Aroclor 1232	ND		ug/kg	34.2	7.26	1	A
Aroclor 1242	ND		ug/kg	34.2	4.62	1	A
Aroclor 1248	ND		ug/kg	34.2	5.14	1	A
Aroclor 1254	ND		ug/kg	34.2	3.75	1	A
Aroclor 1260	ND		ug/kg	34.2	6.33	1	A
Aroclor 1262	ND		ug/kg	34.2	4.35	1	A
Aroclor 1268	ND		ug/kg	34.2	3.55	1	A
PCBs, Total	ND		ug/kg	34.2	3.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 01:39
Analyst: HT
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/16/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/16/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.9	3.10	1	A
Aroclor 1221	ND		ug/kg	34.9	3.50	1	A
Aroclor 1232	ND		ug/kg	34.9	7.40	1	A
Aroclor 1242	ND		ug/kg	34.9	4.70	1	A
Aroclor 1248	ND		ug/kg	34.9	5.23	1	A
Aroclor 1254	ND		ug/kg	34.9	3.82	1	A
Aroclor 1260	ND		ug/kg	34.9	6.45	1	A
Aroclor 1262	ND		ug/kg	34.9	4.43	1	A
Aroclor 1268	ND		ug/kg	34.9	3.62	1	A
PCBs, Total	ND		ug/kg	34.9	3.10	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 16:16
Analyst: HT
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/16/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/16/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.6	3.08	1	A
Aroclor 1221	ND		ug/kg	34.6	3.47	1	A
Aroclor 1232	ND		ug/kg	34.6	7.35	1	A
Aroclor 1242	ND		ug/kg	34.6	4.67	1	A
Aroclor 1248	ND		ug/kg	34.6	5.20	1	A
Aroclor 1254	ND		ug/kg	34.6	3.79	1	A
Aroclor 1260	11.9	J	ug/kg	34.6	6.40	1	A
Aroclor 1262	ND		ug/kg	34.6	4.40	1	A
Aroclor 1268	ND		ug/kg	34.6	3.59	1	A
PCBs, Total	11.9	J	ug/kg	34.6	3.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 14:01
Analyst: HT
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.4	3.06	1	A
Aroclor 1221	ND		ug/kg	34.4	3.45	1	A
Aroclor 1232	ND		ug/kg	34.4	7.29	1	A
Aroclor 1242	ND		ug/kg	34.4	4.64	1	A
Aroclor 1248	ND		ug/kg	34.4	5.16	1	A
Aroclor 1254	ND		ug/kg	34.4	3.76	1	A
Aroclor 1260	17.3	J	ug/kg	34.4	6.36	1	A
Aroclor 1262	ND		ug/kg	34.4	4.37	1	A
Aroclor 1268	ND		ug/kg	34.4	3.56	1	A
PCBs, Total	17.3	J	ug/kg	34.4	3.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 13:36
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.6	3.07	1	A
Aroclor 1221	ND		ug/kg	34.6	3.47	1	A
Aroclor 1232	ND		ug/kg	34.6	7.33	1	A
Aroclor 1242	ND		ug/kg	34.6	4.66	1	A
Aroclor 1248	ND		ug/kg	34.6	5.19	1	A
Aroclor 1254	ND		ug/kg	34.6	3.78	1	A
Aroclor 1260	ND		ug/kg	34.6	6.39	1	A
Aroclor 1262	ND		ug/kg	34.6	4.39	1	A
Aroclor 1268	ND		ug/kg	34.6	3.58	1	A
PCBs, Total	ND		ug/kg	34.6	3.07	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 02:14
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.4	3.23	1	A
Aroclor 1221	ND		ug/kg	36.4	3.65	1	A
Aroclor 1232	ND		ug/kg	36.4	7.72	1	A
Aroclor 1242	ND		ug/kg	36.4	4.91	1	A
Aroclor 1248	ND		ug/kg	36.4	5.46	1	A
Aroclor 1254	ND		ug/kg	36.4	3.98	1	A
Aroclor 1260	ND		ug/kg	36.4	6.73	1	A
Aroclor 1262	ND		ug/kg	36.4	4.63	1	A
Aroclor 1268	ND		ug/kg	36.4	3.77	1	A
PCBs, Total	ND		ug/kg	36.4	3.23	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 02:26
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.11	1	A
Aroclor 1221	ND		ug/kg	35.0	3.51	1	A
Aroclor 1232	ND		ug/kg	35.0	7.42	1	A
Aroclor 1242	ND		ug/kg	35.0	4.72	1	A
Aroclor 1248	ND		ug/kg	35.0	5.25	1	A
Aroclor 1254	ND		ug/kg	35.0	3.83	1	A
Aroclor 1260	ND		ug/kg	35.0	6.47	1	A
Aroclor 1262	ND		ug/kg	35.0	4.45	1	A
Aroclor 1268	ND		ug/kg	35.0	3.63	1	A
PCBs, Total	ND		ug/kg	35.0	3.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 15:51
Analyst: HT
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	32.7	2.90	1	A
Aroclor 1221	ND		ug/kg	32.7	3.27	1	A
Aroclor 1232	ND		ug/kg	32.7	6.92	1	A
Aroclor 1242	ND		ug/kg	32.7	4.40	1	A
Aroclor 1248	ND		ug/kg	32.7	4.90	1	A
Aroclor 1254	ND		ug/kg	32.7	3.57	1	A
Aroclor 1260	ND		ug/kg	32.7	6.04	1	A
Aroclor 1262	ND		ug/kg	32.7	4.15	1	A
Aroclor 1268	4.53	J	ug/kg	32.7	3.38	1	B
PCBs, Total	4.53	J	ug/kg	32.7	2.90	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 02:38
Analyst: HT
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/16/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/16/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	3.36	1	A
Aroclor 1221	ND		ug/kg	37.8	3.79	1	A
Aroclor 1232	ND		ug/kg	37.8	8.02	1	A
Aroclor 1242	ND		ug/kg	37.8	5.10	1	A
Aroclor 1248	ND		ug/kg	37.8	5.67	1	A
Aroclor 1254	ND		ug/kg	37.8	4.14	1	A
Aroclor 1260	ND		ug/kg	37.8	6.99	1	A
Aroclor 1262	ND		ug/kg	37.8	4.80	1	A
Aroclor 1268	ND		ug/kg	37.8	3.92	1	A
PCBs, Total	ND		ug/kg	37.8	3.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/15/19 14:01
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 17:34
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	3.15	1	A
Aroclor 1221	ND		ug/kg	35.5	3.56	1	A
Aroclor 1232	ND		ug/kg	35.5	7.52	1	A
Aroclor 1242	ND		ug/kg	35.5	4.78	1	A
Aroclor 1248	ND		ug/kg	35.5	5.32	1	A
Aroclor 1254	ND		ug/kg	35.5	3.88	1	A
Aroclor 1260	ND		ug/kg	35.5	6.56	1	A
Aroclor 1262	ND		ug/kg	35.5	4.51	1	A
Aroclor 1268	ND		ug/kg	35.5	3.68	1	A
PCBs, Total	ND		ug/kg	35.5	3.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/16/19 17:54
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-16 Batch: WG1284066-1						
Aroclor 1016	ND		ug/kg	31.7	2.82	A
Aroclor 1221	ND		ug/kg	31.7	3.18	A
Aroclor 1232	ND		ug/kg	31.7	6.72	A
Aroclor 1242	ND		ug/kg	31.7	4.27	A
Aroclor 1248	ND		ug/kg	31.7	4.76	A
Aroclor 1254	ND		ug/kg	31.7	3.47	A
Aroclor 1260	ND		ug/kg	31.7	5.86	A
Aroclor 1262	ND		ug/kg	31.7	4.03	A
Aroclor 1268	ND		ug/kg	31.7	3.28	A
PCBs, Total	ND		ug/kg	31.7	2.82	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/15/19 12:22
Analyst: AWS

Extraction Method: EPA 3546
Extraction Date: 09/14/19 17:34
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 17 Batch: WG1284265-1						
Aroclor 1016	ND		ug/kg	32.2	2.86	A
Aroclor 1221	ND		ug/kg	32.2	3.23	A
Aroclor 1232	ND		ug/kg	32.2	6.83	A
Aroclor 1242	ND		ug/kg	32.2	4.34	A
Aroclor 1248	ND		ug/kg	32.2	4.84	A
Aroclor 1254	ND		ug/kg	32.2	3.53	A
Aroclor 1260	ND		ug/kg	32.2	5.96	A
Aroclor 1262	ND		ug/kg	32.2	4.09	A
Aroclor 1268	ND		ug/kg	32.2	3.34	A
PCBs, Total	ND		ug/kg	32.2	2.86	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	91		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-16 Batch: WG1284066-2 WG1284066-3									
Aroclor 1016	77		80		40-140	4		50	A
Aroclor 1260	43		46		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		98		30-150	A
Decachlorobiphenyl	44		46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		96		30-150	B
Decachlorobiphenyl	49		50		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 17 Batch: WG1284265-2 WG1284265-3									
Aroclor 1016	83		76		40-140	9		50	A
Aroclor 1260	86		76		40-140	12		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		81		30-150	A
Decachlorobiphenyl	93		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		76		30-150	B
Decachlorobiphenyl	93		89		30-150	B

PESTICIDES

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 07:20
Analyst: AMC
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.360	1	A
Lindane	ND		ug/kg	0.765	0.342	1	A
Alpha-BHC	ND		ug/kg	0.765	0.217	1	A
Beta-BHC	ND		ug/kg	1.84	0.696	1	A
Heptachlor	ND		ug/kg	0.918	0.412	1	A
Aldrin	ND		ug/kg	1.84	0.647	1	A
Heptachlor epoxide	ND		ug/kg	3.44	1.03	1	A
Endrin	ND		ug/kg	0.765	0.314	1	A
Endrin aldehyde	ND		ug/kg	2.30	0.804	1	A
Endrin ketone	ND		ug/kg	1.84	0.473	1	A
Dieldrin	1.29		ug/kg	1.15	0.574	1	B
4,4'-DDE	0.851	J	ug/kg	1.84	0.425	1	A
4,4'-DDD	1.25	J	ug/kg	1.84	0.655	1	B
4,4'-DDT	1.66	JIP	ug/kg	3.44	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.434	1	A
Endosulfan II	ND		ug/kg	1.84	0.614	1	A
Endosulfan sulfate	ND		ug/kg	0.765	0.364	1	A
Methoxychlor	ND		ug/kg	3.44	1.07	1	A
Toxaphene	ND		ug/kg	34.4	9.64	1	A
cis-Chlordane	7.17		ug/kg	2.30	0.640	1	A
trans-Chlordane	4.89	IP	ug/kg	2.30	0.606	1	B
Chlordane	76.0		ug/kg	14.9	6.08	1	B

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	94		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	57		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 07:32
Analyst: AMC
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.343	1	A
Lindane	ND		ug/kg	0.731	0.327	1	A
Alpha-BHC	ND		ug/kg	0.731	0.208	1	A
Beta-BHC	ND		ug/kg	1.75	0.665	1	A
Heptachlor	ND		ug/kg	0.877	0.393	1	A
Aldrin	ND		ug/kg	1.75	0.618	1	A
Heptachlor epoxide	ND	IP	ug/kg	3.29	0.986	1	B
Endrin	ND		ug/kg	0.731	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.19	0.767	1	A
Endrin ketone	ND		ug/kg	1.75	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.548	1	A
4,4'-DDE	ND		ug/kg	1.75	0.406	1	A
4,4'-DDD	ND		ug/kg	1.75	0.626	1	A
4,4'-DDT	5.33	IP	ug/kg	3.29	1.41	1	A
Endosulfan I	ND		ug/kg	1.75	0.414	1	A
Endosulfan II	ND		ug/kg	1.75	0.586	1	A
Endosulfan sulfate	ND		ug/kg	0.731	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.21	1	A
cis-Chlordane	17.8		ug/kg	2.19	0.611	1	A
trans-Chlordane	14.9		ug/kg	2.19	0.579	1	A
Chlordane	142		ug/kg	14.2	5.81	1	B

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	**225**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	67		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 07:45
Analyst: AMC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.342	1	A
Lindane	ND		ug/kg	0.728	0.325	1	A
Alpha-BHC	ND		ug/kg	0.728	0.207	1	A
Beta-BHC	ND		ug/kg	1.75	0.662	1	A
Heptachlor	ND		ug/kg	0.873	0.392	1	A
Aldrin	ND		ug/kg	1.75	0.615	1	A
Heptachlor epoxide	ND		ug/kg	3.27	0.982	1	B
Endrin	ND		ug/kg	0.728	0.298	1	A
Endrin aldehyde	ND		ug/kg	2.18	0.764	1	A
Endrin ketone	ND		ug/kg	1.75	0.450	1	A
Dieldrin	10.2		ug/kg	1.09	0.546	1	B
4,4'-DDE	2.98		ug/kg	1.75	0.404	1	B
4,4'-DDD	1.96		ug/kg	1.75	0.623	1	B
4,4'-DDT	8.03		ug/kg	3.27	1.40	1	B
Endosulfan I	ND		ug/kg	1.75	0.413	1	A
Endosulfan II	ND		ug/kg	1.75	0.584	1	A
Endosulfan sulfate	ND		ug/kg	0.728	0.346	1	A
Methoxychlor	ND		ug/kg	3.27	1.02	1	A
Toxaphene	ND		ug/kg	32.7	9.17	1	A
cis-Chlordane	6.78		ug/kg	2.18	0.608	1	A
trans-Chlordane	3.81	IP	ug/kg	2.18	0.576	1	B
Chlordane	75.3		ug/kg	14.2	5.78	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	97		30-150	B
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	46		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 07:58
Analyst: AMC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.331	1	A
Lindane	ND		ug/kg	0.704	0.314	1	A
Alpha-BHC	ND		ug/kg	0.704	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.640	1	A
Heptachlor	ND		ug/kg	0.844	0.379	1	A
Aldrin	ND		ug/kg	1.69	0.595	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.950	1	A
Endrin	ND		ug/kg	0.704	0.288	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.739	1	A
Endrin ketone	ND		ug/kg	1.69	0.435	1	A
Dieldrin	23.4		ug/kg	1.06	0.528	1	A
4,4'-DDE	41.7		ug/kg	1.69	0.390	1	B
4,4'-DDD	156	E	ug/kg	1.69	0.602	1	B
4,4'-DDT	ND		ug/kg	3.17	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.399	1	A
Endosulfan II	ND		ug/kg	1.69	0.564	1	A
Endosulfan sulfate	ND		ug/kg	0.704	0.335	1	A
Methoxychlor	ND		ug/kg	3.17	0.985	1	A
Toxaphene	ND		ug/kg	31.7	8.87	1	A
cis-Chlordane	28.6		ug/kg	2.11	0.588	1	B
trans-Chlordane	22.2		ug/kg	2.11	0.557	1	A
Chlordane	499	P	ug/kg	13.7	5.59	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	**464**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**502**	Q	30-150	A
Decachlorobiphenyl	57		30-150	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04 D
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 15:26
Analyst: AMC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDD	173		ug/kg	3.38	1.20	2	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 01:28
Analyst: AMC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.339	1	A
Lindane	ND		ug/kg	0.722	0.323	1	A
Alpha-BHC	ND		ug/kg	0.722	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.657	1	A
Heptachlor	ND		ug/kg	0.866	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.610	1	A
Heptachlor epoxide	ND		ug/kg	3.25	0.974	1	A
Endrin	ND		ug/kg	0.722	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.758	1	A
Endrin ketone	ND		ug/kg	1.73	0.446	1	A
Dieldrin	0.970	J	ug/kg	1.08	0.541	1	B
4,4'-DDE	0.650	JIP	ug/kg	1.73	0.401	1	A
4,4'-DDD	5.58		ug/kg	1.73	0.618	1	A
4,4'-DDT	1.53	J	ug/kg	3.25	1.39	1	B
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.579	1	A
Endosulfan sulfate	ND		ug/kg	0.722	0.344	1	A
Methoxychlor	ND		ug/kg	3.25	1.01	1	A
Toxaphene	ND		ug/kg	32.5	9.10	1	A
cis-Chlordane	ND	IP	ug/kg	2.16	0.604	1	A
trans-Chlordane	ND	IP	ug/kg	2.16	0.572	1	B
Chlordane	ND		ug/kg	14.1	5.74	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	89		30-150	B
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	71		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 04:12
Analyst: AMC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.332	1	A
Lindane	ND		ug/kg	0.706	0.316	1	A
Alpha-BHC	ND		ug/kg	0.706	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.642	1	A
Heptachlor	ND		ug/kg	0.847	0.380	1	A
Aldrin	ND		ug/kg	1.69	0.597	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.953	1	A
Endrin	ND		ug/kg	0.706	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.741	1	A
Endrin ketone	ND		ug/kg	1.69	0.436	1	A
Dieldrin	0.546	J	ug/kg	1.06	0.530	1	B
4,4'-DDE	ND	IP	ug/kg	1.69	0.392	1	A
4,4'-DDD	ND		ug/kg	1.69	0.604	1	A
4,4'-DDT	1.60	J	ug/kg	3.18	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.400	1	A
Endosulfan II	ND		ug/kg	1.69	0.566	1	A
Endosulfan sulfate	ND		ug/kg	0.706	0.336	1	A
Methoxychlor	ND		ug/kg	3.18	0.988	1	A
Toxaphene	ND		ug/kg	31.8	8.90	1	A
cis-Chlordane	2.68	IP	ug/kg	2.12	0.590	1	B
trans-Chlordane	3.86		ug/kg	2.12	0.559	1	A
Chlordane	ND		ug/kg	13.8	5.61	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	112		30-150	B
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	93		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 06:42
Analyst: AMC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.340	1	A
Lindane	ND		ug/kg	0.723	0.323	1	A
Alpha-BHC	ND		ug/kg	0.723	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.658	1	A
Heptachlor	ND	IP	ug/kg	0.867	0.389	1	B
Aldrin	ND		ug/kg	1.73	0.611	1	A
Heptachlor epoxide	4.65	IP	ug/kg	3.25	0.976	1	B
Endrin	ND		ug/kg	0.723	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.759	1	A
Endrin ketone	ND		ug/kg	1.73	0.447	1	A
Dieldrin	ND		ug/kg	1.08	0.542	1	A
4,4'-DDE	6.47		ug/kg	1.73	0.401	1	B
4,4'-DDD	18.3		ug/kg	1.73	0.619	1	B
4,4'-DDT	ND	IP	ug/kg	3.25	1.40	1	A
Endosulfan I	ND		ug/kg	1.73	0.410	1	A
Endosulfan II	ND		ug/kg	1.73	0.580	1	A
Endosulfan sulfate	ND		ug/kg	0.723	0.344	1	A
Methoxychlor	ND		ug/kg	3.25	1.01	1	A
Toxaphene	ND		ug/kg	32.5	9.11	1	A
cis-Chlordane	186	IPE	ug/kg	2.17	0.604	1	B
trans-Chlordane	199	E	ug/kg	2.17	0.572	1	A
Chlordane	1960		ug/kg	14.1	5.75	1	B

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	61		30-150	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07 D
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 15:15
Analyst: SL
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
cis-Chlordane	281	IP	ug/kg	10.8	3.02	5	B
trans-Chlordane	289		ug/kg	10.8	2.86	5	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 01:41
Analyst: AMC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.326	1	A
Lindane	ND		ug/kg	0.694	0.310	1	A
Alpha-BHC	ND		ug/kg	0.694	0.197	1	A
Beta-BHC	ND		ug/kg	1.66	0.632	1	A
Heptachlor	ND		ug/kg	0.833	0.373	1	A
Aldrin	ND		ug/kg	1.66	0.586	1	A
Heptachlor epoxide	ND		ug/kg	3.12	0.937	1	A
Endrin	ND		ug/kg	0.694	0.284	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.729	1	A
Endrin ketone	ND		ug/kg	1.66	0.429	1	A
Dieldrin	ND		ug/kg	1.04	0.520	1	A
4,4'-DDE	1.36	J	ug/kg	1.66	0.385	1	B
4,4'-DDD	4.85		ug/kg	1.66	0.594	1	A
4,4'-DDT	ND		ug/kg	3.12	1.34	1	B
Endosulfan I	ND		ug/kg	1.66	0.394	1	A
Endosulfan II	ND		ug/kg	1.66	0.557	1	A
Endosulfan sulfate	ND		ug/kg	0.694	0.330	1	A
Methoxychlor	ND		ug/kg	3.12	0.972	1	A
Toxaphene	ND		ug/kg	31.2	8.74	1	A
cis-Chlordane	ND		ug/kg	2.08	0.580	1	A
trans-Chlordane	ND		ug/kg	2.08	0.550	1	A
Chlordane	ND		ug/kg	13.5	5.52	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	75		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 01:53
Analyst: AMC
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.322	1	A
Lindane	ND		ug/kg	0.684	0.306	1	A
Alpha-BHC	ND		ug/kg	0.684	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.622	1	A
Heptachlor	ND		ug/kg	0.821	0.368	1	A
Aldrin	ND		ug/kg	1.64	0.578	1	A
Heptachlor epoxide	ND		ug/kg	3.08	0.924	1	A
Endrin	ND		ug/kg	0.684	0.280	1	A
Endrin aldehyde	ND		ug/kg	2.05	0.718	1	A
Endrin ketone	ND		ug/kg	1.64	0.423	1	A
Dieldrin	ND		ug/kg	1.03	0.513	1	A
4,4'-DDE	ND		ug/kg	1.64	0.380	1	A
4,4'-DDD	ND		ug/kg	1.64	0.586	1	A
4,4'-DDT	ND		ug/kg	3.08	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.388	1	A
Endosulfan II	ND		ug/kg	1.64	0.549	1	A
Endosulfan sulfate	ND		ug/kg	0.684	0.326	1	A
Methoxychlor	ND		ug/kg	3.08	0.958	1	A
Toxaphene	ND		ug/kg	30.8	8.62	1	A
cis-Chlordane	10.9		ug/kg	2.05	0.572	1	A
trans-Chlordane	9.71		ug/kg	2.05	0.542	1	A
Chlordane	79.6		ug/kg	13.3	5.44	1	B

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	110		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	79		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 07:07
Analyst: AMC
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.58	0.310	1	A
Lindane	ND		ug/kg	0.660	0.295	1	A
Alpha-BHC	ND		ug/kg	0.660	0.187	1	A
Beta-BHC	ND		ug/kg	1.58	0.600	1	A
Heptachlor	ND		ug/kg	0.792	0.355	1	A
Aldrin	ND		ug/kg	1.58	0.558	1	A
Heptachlor epoxide	2.01	JP	ug/kg	2.97	0.891	1	A
Endrin	ND		ug/kg	0.660	0.270	1	A
Endrin aldehyde	ND		ug/kg	1.98	0.693	1	A
Endrin ketone	ND		ug/kg	1.58	0.408	1	A
Dieldrin	1.50		ug/kg	0.990	0.495	1	A
4,4'-DDE	1.27	J	ug/kg	1.58	0.366	1	A
4,4'-DDD	ND		ug/kg	1.58	0.565	1	A
4,4'-DDT	6.24		ug/kg	2.97	1.27	1	A
Endosulfan I	ND		ug/kg	1.58	0.374	1	A
Endosulfan II	ND		ug/kg	1.58	0.529	1	A
Endosulfan sulfate	ND		ug/kg	0.660	0.314	1	A
Methoxychlor	ND		ug/kg	2.97	0.924	1	A
Toxaphene	ND		ug/kg	29.7	8.32	1	A
cis-Chlordane	25.4	P	ug/kg	1.98	0.552	1	A
trans-Chlordane	17.8		ug/kg	1.98	0.523	1	A
Chlordane	127		ug/kg	12.9	5.25	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	57		30-150	B
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	53		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 06:55
Analyst: AMC
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.326	1	A
Lindane	ND		ug/kg	0.694	0.310	1	A
Alpha-BHC	ND		ug/kg	0.694	0.197	1	A
Beta-BHC	ND		ug/kg	1.66	0.631	1	A
Heptachlor	ND		ug/kg	0.833	0.373	1	A
Aldrin	ND		ug/kg	1.66	0.586	1	A
Heptachlor epoxide	1.00	JIP	ug/kg	3.12	0.937	1	B
Endrin	ND		ug/kg	0.694	0.284	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.728	1	A
Endrin ketone	ND		ug/kg	1.66	0.429	1	A
Dieldrin	1.62		ug/kg	1.04	0.520	1	B
4,4'-DDE	1.52	J	ug/kg	1.66	0.385	1	B
4,4'-DDD	ND		ug/kg	1.66	0.594	1	A
4,4'-DDT	9.13		ug/kg	3.12	1.34	1	A
Endosulfan I	ND		ug/kg	1.66	0.393	1	A
Endosulfan II	ND		ug/kg	1.66	0.556	1	A
Endosulfan sulfate	ND		ug/kg	0.694	0.330	1	A
Methoxychlor	ND		ug/kg	3.12	0.971	1	A
Toxaphene	ND		ug/kg	31.2	8.74	1	A
cis-Chlordane	21.0	IP	ug/kg	2.08	0.580	1	B
trans-Chlordane	28.7		ug/kg	2.08	0.550	1	A
Chlordane	ND		ug/kg	13.5	5.52	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	87		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	73		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 06:30
Analyst: AMC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.323	1	A
Lindane	ND		ug/kg	0.687	0.307	1	A
Alpha-BHC	ND		ug/kg	0.687	0.195	1	A
Beta-BHC	ND		ug/kg	1.65	0.625	1	A
Heptachlor	ND		ug/kg	0.824	0.369	1	A
Aldrin	ND		ug/kg	1.65	0.580	1	A
Heptachlor epoxide	ND		ug/kg	3.09	0.927	1	A
Endrin	ND		ug/kg	0.687	0.282	1	A
Endrin aldehyde	ND		ug/kg	2.06	0.721	1	A
Endrin ketone	ND		ug/kg	1.65	0.424	1	A
Dieldrin	1.07		ug/kg	1.03	0.515	1	B
4,4'-DDE	134		ug/kg	1.65	0.381	1	B
4,4'-DDD	2.05	IP	ug/kg	1.65	0.588	1	A
4,4'-DDT	521	E	ug/kg	3.09	1.32	1	B
Endosulfan I	ND		ug/kg	1.65	0.389	1	A
Endosulfan II	ND		ug/kg	1.65	0.551	1	A
Endosulfan sulfate	ND		ug/kg	0.687	0.327	1	A
Methoxychlor	ND		ug/kg	3.09	0.961	1	A
Toxaphene	ND		ug/kg	30.9	8.65	1	A
cis-Chlordane	1.02	JIP	ug/kg	2.06	0.574	1	A
trans-Chlordane	ND		ug/kg	2.06	0.544	1	A
Chlordane	ND		ug/kg	13.4	5.46	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	95		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	54		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12 D
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 16:26
Analyst: AMC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDT	589		ug/kg	30.9	13.2	10	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 02:06
Analyst: AMC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.328	1	A
Lindane	ND		ug/kg	0.697	0.311	1	A
Alpha-BHC	ND		ug/kg	0.697	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.634	1	A
Heptachlor	ND		ug/kg	0.836	0.375	1	A
Aldrin	ND		ug/kg	1.67	0.589	1	A
Heptachlor epoxide	ND		ug/kg	3.14	0.941	1	A
Endrin	ND		ug/kg	0.697	0.286	1	A
Endrin aldehyde	ND		ug/kg	2.09	0.732	1	A
Endrin ketone	ND		ug/kg	1.67	0.431	1	A
Dieldrin	ND		ug/kg	1.04	0.523	1	B
4,4'-DDE	ND		ug/kg	1.67	0.387	1	A
4,4'-DDD	ND		ug/kg	1.67	0.596	1	A
4,4'-DDT	ND		ug/kg	3.14	1.34	1	A
Endosulfan I	ND		ug/kg	1.67	0.395	1	A
Endosulfan II	ND		ug/kg	1.67	0.559	1	A
Endosulfan sulfate	ND		ug/kg	0.697	0.332	1	A
Methoxychlor	ND		ug/kg	3.14	0.976	1	A
Toxaphene	ND		ug/kg	31.4	8.78	1	A
cis-Chlordane	ND		ug/kg	2.09	0.582	1	A
trans-Chlordane	ND		ug/kg	2.09	0.552	1	A
Chlordane	ND		ug/kg	13.6	5.54	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	104		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	91		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 04:24
Analyst: AMC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.345	1	A
Lindane	ND		ug/kg	0.734	0.328	1	A
Alpha-BHC	ND		ug/kg	0.734	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.668	1	A
Heptachlor	ND		ug/kg	0.881	0.395	1	A
Aldrin	ND		ug/kg	1.76	0.620	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.991	1	A
Endrin	ND		ug/kg	0.734	0.301	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.771	1	A
Endrin ketone	ND		ug/kg	1.76	0.454	1	A
Dieldrin	ND		ug/kg	1.10	0.551	1	A
4,4'-DDE	ND		ug/kg	1.76	0.408	1	A
4,4'-DDD	ND		ug/kg	1.76	0.629	1	A
4,4'-DDT	ND		ug/kg	3.30	1.42	1	A
Endosulfan I	ND		ug/kg	1.76	0.416	1	A
Endosulfan II	ND		ug/kg	1.76	0.589	1	A
Endosulfan sulfate	ND		ug/kg	0.734	0.350	1	A
Methoxychlor	ND		ug/kg	3.30	1.03	1	A
Toxaphene	ND		ug/kg	33.0	9.25	1	A
cis-Chlordane	ND		ug/kg	2.20	0.614	1	A
trans-Chlordane	ND		ug/kg	2.20	0.582	1	A
Chlordane	ND		ug/kg	14.3	5.84	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	97		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	63		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 08:10
Analyst: AMC
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.55	0.304	1	A
Lindane	ND		ug/kg	0.646	0.289	1	A
Alpha-BHC	ND		ug/kg	0.646	0.184	1	A
Beta-BHC	ND		ug/kg	1.55	0.588	1	A
Heptachlor	ND		ug/kg	0.775	0.348	1	A
Aldrin	ND		ug/kg	1.55	0.546	1	A
Heptachlor epoxide	ND		ug/kg	2.91	0.872	1	A
Endrin	ND		ug/kg	0.646	0.265	1	A
Endrin aldehyde	ND		ug/kg	1.94	0.678	1	A
Endrin ketone	ND		ug/kg	1.55	0.399	1	A
Dieldrin	ND		ug/kg	0.969	0.485	1	A
4,4'-DDE	ND		ug/kg	1.55	0.359	1	A
4,4'-DDD	ND		ug/kg	1.55	0.553	1	A
4,4'-DDT	ND		ug/kg	2.91	1.25	1	A
Endosulfan I	ND		ug/kg	1.55	0.366	1	A
Endosulfan II	ND		ug/kg	1.55	0.518	1	A
Endosulfan sulfate	ND		ug/kg	0.646	0.308	1	A
Methoxychlor	ND		ug/kg	2.91	0.905	1	A
Toxaphene	ND		ug/kg	29.1	8.14	1	A
cis-Chlordane	ND		ug/kg	1.94	0.540	1	A
trans-Chlordane	ND		ug/kg	1.94	0.512	1	A
Chlordane	ND		ug/kg	12.6	5.14	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	**12800**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	**399**	Q	30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 02:19
Analyst: AMC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.352	1	A
Lindane	ND		ug/kg	0.748	0.334	1	A
Alpha-BHC	ND		ug/kg	0.748	0.212	1	A
Beta-BHC	ND		ug/kg	1.80	0.681	1	A
Heptachlor	ND		ug/kg	0.898	0.402	1	A
Aldrin	ND		ug/kg	1.80	0.632	1	A
Heptachlor epoxide	ND		ug/kg	3.37	1.01	1	A
Endrin	ND		ug/kg	0.748	0.307	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.785	1	A
Endrin ketone	ND		ug/kg	1.80	0.462	1	A
Dieldrin	ND		ug/kg	1.12	0.561	1	A
4,4'-DDE	ND		ug/kg	1.80	0.415	1	A
4,4'-DDD	ND		ug/kg	1.80	0.640	1	A
4,4'-DDT	ND		ug/kg	3.37	1.44	1	A
Endosulfan I	ND		ug/kg	1.80	0.424	1	A
Endosulfan II	ND		ug/kg	1.80	0.600	1	A
Endosulfan sulfate	ND		ug/kg	0.748	0.356	1	A
Methoxychlor	ND		ug/kg	3.37	1.05	1	A
Toxaphene	ND		ug/kg	33.7	9.42	1	A
cis-Chlordane	ND		ug/kg	2.24	0.625	1	A
trans-Chlordane	ND		ug/kg	2.24	0.592	1	A
Chlordane	ND		ug/kg	14.6	5.95	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	109		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	67		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 12:31
Analyst: BM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 16:08
Cleanup Method: EPA 3620B
Cleanup Date: 09/16/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.331	1	A
Lindane	ND		ug/kg	0.704	0.315	1	A
Alpha-BHC	ND		ug/kg	0.704	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.641	1	A
Heptachlor	ND		ug/kg	0.845	0.379	1	A
Aldrin	ND		ug/kg	1.69	0.595	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.950	1	A
Endrin	ND		ug/kg	0.704	0.289	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.739	1	A
Endrin ketone	ND		ug/kg	1.69	0.435	1	A
Dieldrin	ND		ug/kg	1.06	0.528	1	A
4,4'-DDE	1.04	JP	ug/kg	1.69	0.391	1	A
4,4'-DDD	ND		ug/kg	1.69	0.603	1	A
4,4'-DDT	1.91	J	ug/kg	3.17	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.399	1	A
Endosulfan II	ND		ug/kg	1.69	0.565	1	A
Endosulfan sulfate	ND		ug/kg	0.704	0.335	1	A
Methoxychlor	ND		ug/kg	3.17	0.986	1	A
Toxaphene	ND		ug/kg	31.7	8.87	1	A
cis-Chlordane	ND		ug/kg	2.11	0.588	1	A
trans-Chlordane	ND		ug/kg	2.11	0.558	1	A
Chlordane	ND		ug/kg	13.7	5.60	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	70		30-150	B
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	80		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/19 01:16
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-16 Batch: WG1284053-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.642	0.287	A
Alpha-BHC	ND		ug/kg	0.642	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.584	A
Heptachlor	ND		ug/kg	0.770	0.345	A
Aldrin	ND		ug/kg	1.54	0.542	A
Heptachlor epoxide	ND		ug/kg	2.89	0.866	A
Endrin	ND		ug/kg	0.642	0.263	A
Endrin aldehyde	ND		ug/kg	1.92	0.674	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.963	0.481	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.549	A
4,4'-DDT	ND		ug/kg	2.89	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.364	A
Endosulfan II	ND		ug/kg	1.54	0.515	A
Endosulfan sulfate	ND		ug/kg	0.642	0.306	A
Methoxychlor	ND		ug/kg	2.89	0.898	A
Toxaphene	ND		ug/kg	28.9	8.09	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.508	A
Chlordane	ND		ug/kg	12.5	5.10	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/19 01:16
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-16 Batch: WG1284053-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	98		30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	71		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/19 11:57
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 09/14/19 16:08
Cleanup Method: EPA 3620B
Cleanup Date: 09/16/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 17 Batch: WG1285556-1						
Delta-BHC	ND		ug/kg	1.59	0.311	A
Lindane	ND		ug/kg	0.662	0.296	A
Alpha-BHC	ND		ug/kg	0.662	0.188	A
Beta-BHC	ND		ug/kg	1.59	0.602	A
Heptachlor	ND		ug/kg	0.794	0.356	A
Aldrin	ND		ug/kg	1.59	0.559	A
Heptachlor epoxide	ND		ug/kg	2.98	0.893	A
Endrin	ND		ug/kg	0.662	0.271	A
Endrin aldehyde	ND		ug/kg	1.98	0.695	A
Endrin ketone	ND		ug/kg	1.59	0.409	A
Dieldrin	ND		ug/kg	0.993	0.496	A
4,4'-DDE	ND		ug/kg	1.59	0.367	A
4,4'-DDD	ND		ug/kg	1.59	0.566	A
4,4'-DDT	ND		ug/kg	2.98	1.28	A
Endosulfan I	ND		ug/kg	1.59	0.375	A
Endosulfan II	ND		ug/kg	1.59	0.531	A
Endosulfan sulfate	ND		ug/kg	0.662	0.315	A
Methoxychlor	ND		ug/kg	2.98	0.926	A
Toxaphene	ND		ug/kg	29.8	8.34	A
cis-Chlordane	ND		ug/kg	1.98	0.553	A
trans-Chlordane	ND		ug/kg	1.98	0.524	A
Chlordane	ND		ug/kg	12.9	5.26	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/19 11:57
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 09/14/19 16:08
Cleanup Method: EPA 3620B
Cleanup Date: 09/16/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 17 Batch: WG1285556-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	65		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-16 Batch: WG1284053-2 WG1284053-3									
Delta-BHC	116		97		30-150	18		30	A
Lindane	114		88		30-150	26		30	A
Alpha-BHC	118		101		30-150	16		30	A
Beta-BHC	104		88		30-150	17		30	A
Heptachlor	113		95		30-150	17		30	A
Aldrin	106		91		30-150	15		30	A
Heptachlor epoxide	106		88		30-150	19		30	A
Endrin	107		96		30-150	11		30	A
Endrin aldehyde	59		63		30-150	7		30	A
Endrin ketone	75		79		30-150	5		30	A
Dieldrin	111		99		30-150	11		30	A
4,4'-DDE	104		96		30-150	8		30	A
4,4'-DDD	103		95		30-150	8		30	A
4,4'-DDT	103		96		30-150	7		30	A
Endosulfan I	98		89		30-150	10		30	A
Endosulfan II	94		90		30-150	4		30	A
Endosulfan sulfate	66		77		30-150	15		30	A
Methoxychlor	84		82		30-150	2		30	A
cis-Chlordane	87		78		30-150	11		30	A
trans-Chlordane	93		72		30-150	25		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-16 Batch: WG1284053-2 WG1284053-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		87		30-150	B
Decachlorobiphenyl	70		64		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		85		30-150	A
Decachlorobiphenyl	69		66		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 17 Batch: WG1285556-2 WG1285556-3									
Delta-BHC	117		90		30-150	26		30	A
Lindane	112		87		30-150	25		30	A
Alpha-BHC	119		94		30-150	23		30	A
Beta-BHC	106		83		30-150	24		30	A
Heptachlor	115		94		30-150	20		30	A
Aldrin	107		84		30-150	24		30	A
Heptachlor epoxide	108		80		30-150	30		30	A
Endrin	111		90		30-150	21		30	A
Endrin aldehyde	69		57		30-150	19		30	A
Endrin ketone	92		75		30-150	20		30	A
Dieldrin	116		91		30-150	24		30	A
4,4'-DDE	108		84		30-150	25		30	A
4,4'-DDD	111		90		30-150	21		30	A
4,4'-DDT	105		91		30-150	14		30	A
Endosulfan I	100		79		30-150	23		30	A
Endosulfan II	104		84		30-150	21		30	A
Endosulfan sulfate	95		74		30-150	25		30	A
Methoxychlor	93		75		30-150	21		30	A
cis-Chlordane	88		69		30-150	24		30	A
trans-Chlordane	96		70		30-150	**31**	Q	30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 17 Batch: WG1285556-2 WG1285556-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		84		30-150	B
Decachlorobiphenyl	70		61		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		78		30-150	A
Decachlorobiphenyl	69		63		30-150	A

METALS

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11400		mg/kg	9.34	2.52	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.67	0.355	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Arsenic, Total	2.57		mg/kg	0.934	0.194	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Barium, Total	185		mg/kg	0.934	0.162	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Beryllium, Total	0.205	J	mg/kg	0.467	0.031	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.934	0.092	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Calcium, Total	23800		mg/kg	9.34	3.27	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Chromium, Total	27.5		mg/kg	0.934	0.090	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Cobalt, Total	8.98		mg/kg	1.87	0.155	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Copper, Total	28.4		mg/kg	0.934	0.241	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Iron, Total	18600		mg/kg	4.67	0.843	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Lead, Total	97.0		mg/kg	4.67	0.250	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Magnesium, Total	12300		mg/kg	9.34	1.44	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Manganese, Total	267		mg/kg	0.934	0.148	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Mercury, Total	0.404		mg/kg	0.075	0.049	1	09/17/19 04:30	09/17/19 15:44	EPA 7471B	1,7471B	GD
Nickel, Total	19.1		mg/kg	2.34	0.226	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Potassium, Total	3140		mg/kg	234	13.4	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.87	0.241	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.934	0.264	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Sodium, Total	493		mg/kg	187	2.94	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.87	0.294	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Vanadium, Total	32.8		mg/kg	0.934	0.190	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Zinc, Total	129		mg/kg	4.67	0.274	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8320		mg/kg	8.80	2.38	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Antimony, Total	3.63	J	mg/kg	4.40	0.334	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Arsenic, Total	5.67		mg/kg	0.880	0.183	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Barium, Total	135		mg/kg	0.880	0.153	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Beryllium, Total	0.176	J	mg/kg	0.440	0.029	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.880	0.086	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Calcium, Total	25100		mg/kg	8.80	3.08	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Chromium, Total	22.5		mg/kg	0.880	0.084	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Cobalt, Total	7.82		mg/kg	1.76	0.146	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Copper, Total	59.9		mg/kg	0.880	0.227	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Iron, Total	16500		mg/kg	4.40	0.794	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Lead, Total	354		mg/kg	4.40	0.236	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Magnesium, Total	6870		mg/kg	8.80	1.35	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Manganese, Total	397		mg/kg	0.880	0.140	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Mercury, Total	1.00		mg/kg	0.071	0.046	1	09/17/19 04:30	09/17/19 16:04	EPA 7471B	1,7471B	GD
Nickel, Total	16.0		mg/kg	2.20	0.213	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Potassium, Total	2380		mg/kg	220	12.7	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.76	0.227	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.880	0.249	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Sodium, Total	242		mg/kg	176	2.77	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.76	0.277	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Vanadium, Total	28.4		mg/kg	0.880	0.178	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Zinc, Total	186		mg/kg	4.40	0.258	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11800		mg/kg	8.58	2.32	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.29	0.326	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Arsenic, Total	1.29		mg/kg	0.858	0.178	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Barium, Total	172		mg/kg	0.858	0.149	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Beryllium, Total	0.120	J	mg/kg	0.429	0.028	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.858	0.084	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Calcium, Total	15700		mg/kg	8.58	3.00	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Chromium, Total	24.9		mg/kg	0.858	0.082	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Cobalt, Total	10.6		mg/kg	1.72	0.142	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Copper, Total	29.9		mg/kg	0.858	0.221	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Iron, Total	19600		mg/kg	4.29	0.774	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Lead, Total	67.2		mg/kg	4.29	0.230	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Magnesium, Total	9540		mg/kg	8.58	1.32	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Manganese, Total	335		mg/kg	0.858	0.136	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.070	0.045	1	09/17/19 04:30	09/17/19 16:08	EPA 7471B	1,7471B	GD
Nickel, Total	17.0		mg/kg	2.14	0.208	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Potassium, Total	6420		mg/kg	214	12.3	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.72	0.221	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.858	0.243	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Sodium, Total	618		mg/kg	172	2.70	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.72	0.270	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Vanadium, Total	40.2		mg/kg	0.858	0.174	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Zinc, Total	202		mg/kg	4.29	0.251	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4420		mg/kg	8.67	2.34	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.34	0.330	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Arsenic, Total	2.13		mg/kg	0.867	0.180	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Barium, Total	197		mg/kg	0.867	0.151	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Beryllium, Total	0.052	J	mg/kg	0.434	0.029	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.867	0.085	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Calcium, Total	17400		mg/kg	8.67	3.04	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Chromium, Total	13.5		mg/kg	0.867	0.083	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Cobalt, Total	3.90		mg/kg	1.73	0.144	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Copper, Total	14.0		mg/kg	0.867	0.224	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Iron, Total	8010		mg/kg	4.34	0.783	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Lead, Total	126		mg/kg	4.34	0.232	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Magnesium, Total	2770		mg/kg	8.67	1.34	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Manganese, Total	113		mg/kg	0.867	0.138	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Mercury, Total	0.302		mg/kg	0.070	0.045	1	09/17/19 04:30	09/17/19 16:11	EPA 7471B	1,7471B	GD
Nickel, Total	8.43		mg/kg	2.17	0.210	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Potassium, Total	1180		mg/kg	217	12.5	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.73	0.224	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.867	0.245	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Sodium, Total	171	J	mg/kg	173	2.73	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.73	0.273	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Vanadium, Total	15.8		mg/kg	0.867	0.176	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Zinc, Total	254		mg/kg	4.34	0.254	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	20100		mg/kg	8.93	2.41	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.46	0.339	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.893	0.186	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Barium, Total	215		mg/kg	0.893	0.155	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.446	0.030	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.893	0.088	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Calcium, Total	1170		mg/kg	8.93	3.12	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Chromium, Total	37.6		mg/kg	0.893	0.086	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Cobalt, Total	18.7		mg/kg	1.78	0.148	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Copper, Total	19.4		mg/kg	0.893	0.230	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Iron, Total	33700		mg/kg	4.46	0.806	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Lead, Total	2.39	J	mg/kg	4.46	0.239	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Magnesium, Total	7860		mg/kg	8.93	1.38	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Manganese, Total	336		mg/kg	0.893	0.142	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.070	0.046	1	09/17/19 04:30	09/17/19 16:14	EPA 7471B	1,7471B	GD
Nickel, Total	25.5		mg/kg	2.23	0.216	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Potassium, Total	13600		mg/kg	223	12.8	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.78	0.230	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.893	0.253	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Sodium, Total	294		mg/kg	178	2.81	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.78	0.281	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Vanadium, Total	58.8		mg/kg	0.893	0.181	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Zinc, Total	80.5		mg/kg	4.46	0.262	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5770		mg/kg	8.84	2.39	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.42	0.336	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Arsenic, Total	4.03		mg/kg	0.884	0.184	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Barium, Total	682		mg/kg	0.884	0.154	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Beryllium, Total	0.071	J	mg/kg	0.442	0.029	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Cadmium, Total	1.64		mg/kg	0.884	0.087	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Calcium, Total	52900		mg/kg	8.84	3.09	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Chromium, Total	15.8		mg/kg	0.884	0.085	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Cobalt, Total	4.71		mg/kg	1.77	0.147	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Copper, Total	17.4		mg/kg	0.884	0.228	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Iron, Total	10500		mg/kg	4.42	0.798	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Lead, Total	669		mg/kg	4.42	0.237	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Magnesium, Total	14300		mg/kg	8.84	1.36	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Manganese, Total	208		mg/kg	0.884	0.140	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Mercury, Total	0.270		mg/kg	0.070	0.046	1	09/17/19 04:30	09/17/19 16:17	EPA 7471B	1,7471B	GD
Nickel, Total	8.74		mg/kg	2.21	0.214	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Potassium, Total	1540		mg/kg	221	12.7	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.77	0.228	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.884	0.250	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Sodium, Total	372		mg/kg	177	2.78	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.77	0.278	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Vanadium, Total	26.5		mg/kg	0.884	0.179	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Zinc, Total	840		mg/kg	4.42	0.259	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11100		mg/kg	8.72	2.35	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.36	0.331	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Arsenic, Total	2.82		mg/kg	0.872	0.181	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Barium, Total	271		mg/kg	0.872	0.152	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Beryllium, Total	0.174	J	mg/kg	0.436	0.029	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.872	0.085	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Calcium, Total	8200		mg/kg	8.72	3.05	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Chromium, Total	20.3		mg/kg	0.872	0.084	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Cobalt, Total	8.54		mg/kg	1.74	0.145	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Copper, Total	21.7		mg/kg	0.872	0.225	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Iron, Total	18400		mg/kg	4.36	0.787	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Lead, Total	117		mg/kg	4.36	0.234	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Magnesium, Total	4810		mg/kg	8.72	1.34	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Manganese, Total	232		mg/kg	0.872	0.139	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Mercury, Total	0.238		mg/kg	0.071	0.046	1	09/17/19 04:30	09/17/19 16:21	EPA 7471B	1,7471B	GD
Nickel, Total	14.4		mg/kg	2.18	0.211	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Potassium, Total	3930		mg/kg	218	12.6	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.74	0.225	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.872	0.247	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Sodium, Total	909		mg/kg	174	2.75	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.74	0.275	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Vanadium, Total	28.4		mg/kg	0.872	0.177	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Zinc, Total	198		mg/kg	4.36	0.255	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8820		mg/kg	8.49	2.29	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.24	0.323	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Arsenic, Total	0.501	J	mg/kg	0.849	0.177	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Barium, Total	69.2		mg/kg	0.849	0.148	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Beryllium, Total	0.153	J	mg/kg	0.424	0.028	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.849	0.083	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Calcium, Total	1530		mg/kg	8.49	2.97	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Chromium, Total	19.5		mg/kg	0.849	0.082	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Cobalt, Total	10.9		mg/kg	1.70	0.141	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Copper, Total	19.8		mg/kg	0.849	0.219	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Iron, Total	15500		mg/kg	4.24	0.767	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Lead, Total	8.92		mg/kg	4.24	0.228	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Magnesium, Total	4040		mg/kg	8.49	1.31	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Manganese, Total	577		mg/kg	0.849	0.135	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.068	0.044	1	09/17/19 04:30	09/17/19 16:24	EPA 7471B	1,7471B	GD
Nickel, Total	21.5		mg/kg	2.12	0.206	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Potassium, Total	3270		mg/kg	212	12.2	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.70	0.219	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.849	0.240	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Sodium, Total	200		mg/kg	170	2.67	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.70	0.267	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Vanadium, Total	20.5		mg/kg	0.849	0.172	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Zinc, Total	28.8		mg/kg	4.24	0.249	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	21200		mg/kg	8.17	2.21	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.09	0.310	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.817	0.170	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Barium, Total	301		mg/kg	0.817	0.142	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Beryllium, Total	0.122	J	mg/kg	0.409	0.027	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.817	0.080	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Calcium, Total	546		mg/kg	8.17	2.86	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Chromium, Total	41.0		mg/kg	0.817	0.079	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Cobalt, Total	21.7		mg/kg	1.63	0.136	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Copper, Total	34.7		mg/kg	0.817	0.211	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Iron, Total	38300		mg/kg	4.09	0.738	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Lead, Total	7.07		mg/kg	4.09	0.219	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Magnesium, Total	9480		mg/kg	8.17	1.26	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Manganese, Total	423		mg/kg	0.817	0.130	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.068	0.044	1	09/17/19 04:30	09/17/19 16:27	EPA 7471B	1,7471B	GD
Nickel, Total	29.5		mg/kg	2.04	0.198	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Potassium, Total	15100		mg/kg	204	11.8	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.63	0.211	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.817	0.231	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Sodium, Total	219		mg/kg	163	2.57	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.63	0.257	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Vanadium, Total	68.1		mg/kg	0.817	0.166	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Zinc, Total	87.4		mg/kg	4.09	0.239	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9980		mg/kg	7.92	2.14	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	3.96	0.301	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Arsenic, Total	1.85		mg/kg	0.792	0.165	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Barium, Total	112		mg/kg	0.792	0.138	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Beryllium, Total	0.150	J	mg/kg	0.396	0.026	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.792	0.078	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Calcium, Total	21100		mg/kg	7.92	2.77	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Chromium, Total	26.0		mg/kg	0.792	0.076	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Cobalt, Total	9.41		mg/kg	1.58	0.132	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Copper, Total	46.9		mg/kg	0.792	0.204	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Iron, Total	18000		mg/kg	3.96	0.716	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Lead, Total	58.0		mg/kg	3.96	0.212	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Magnesium, Total	14000		mg/kg	7.92	1.22	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Manganese, Total	245		mg/kg	0.792	0.126	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Mercury, Total	0.070		mg/kg	0.066	0.043	1	09/17/19 04:30	09/17/19 16:37	EPA 7471B	1,7471B	GD
Nickel, Total	16.7		mg/kg	1.98	0.192	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Potassium, Total	5360		mg/kg	198	11.4	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.58	0.204	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.792	0.224	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Sodium, Total	396		mg/kg	158	2.50	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.58	0.250	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Vanadium, Total	34.3		mg/kg	0.792	0.161	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Zinc, Total	85.0		mg/kg	3.96	0.232	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10900		mg/kg	8.39	2.26	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.20	0.319	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Arsenic, Total	1.43		mg/kg	0.839	0.174	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Barium, Total	118		mg/kg	0.839	0.146	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Beryllium, Total	0.109	J	mg/kg	0.420	0.028	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.839	0.082	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Calcium, Total	20900		mg/kg	8.39	2.94	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Chromium, Total	25.3		mg/kg	0.839	0.081	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Cobalt, Total	10.3		mg/kg	1.68	0.139	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Copper, Total	50.3		mg/kg	0.839	0.216	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Iron, Total	20200		mg/kg	4.20	0.758	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Lead, Total	37.9		mg/kg	4.20	0.225	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Magnesium, Total	14400		mg/kg	8.39	1.29	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Manganese, Total	229		mg/kg	0.839	0.133	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Mercury, Total	0.079		mg/kg	0.067	0.044	1	09/17/19 04:30	09/17/19 16:41	EPA 7471B	1,7471B	GD
Nickel, Total	17.6		mg/kg	2.10	0.203	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Potassium, Total	5470		mg/kg	210	12.1	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.68	0.216	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.839	0.237	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Sodium, Total	272		mg/kg	168	2.64	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.68	0.264	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Vanadium, Total	41.6		mg/kg	0.839	0.170	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Zinc, Total	77.4		mg/kg	4.20	0.246	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4920		mg/kg	8.66	2.34	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.33	0.329	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Arsenic, Total	3.17		mg/kg	0.866	0.180	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Barium, Total	252		mg/kg	0.866	0.151	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Beryllium, Total	0.087	J	mg/kg	0.433	0.029	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Cadmium, Total	0.087	J	mg/kg	0.866	0.085	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Calcium, Total	27600		mg/kg	8.66	3.03	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Chromium, Total	8.33		mg/kg	0.866	0.083	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Cobalt, Total	4.36		mg/kg	1.73	0.144	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Copper, Total	9.82		mg/kg	0.866	0.224	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Iron, Total	7840		mg/kg	4.33	0.782	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Lead, Total	357		mg/kg	4.33	0.232	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Magnesium, Total	8810		mg/kg	8.66	1.33	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Manganese, Total	145		mg/kg	0.866	0.138	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.068	0.045	1	09/17/19 04:30	09/17/19 16:44	EPA 7471B	1,7471B	GD
Nickel, Total	5.86		mg/kg	2.17	0.210	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Potassium, Total	1500		mg/kg	217	12.5	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.73	0.224	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.866	0.245	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Sodium, Total	388		mg/kg	173	2.73	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.73	0.273	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Vanadium, Total	18.4		mg/kg	0.866	0.176	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Zinc, Total	151		mg/kg	4.33	0.254	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10800		mg/kg	8.56	2.31	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.28	0.325	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Arsenic, Total	0.676	J	mg/kg	0.856	0.178	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Barium, Total	166		mg/kg	0.856	0.149	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Beryllium, Total	0.043	J	mg/kg	0.428	0.028	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.856	0.084	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Calcium, Total	17500		mg/kg	8.56	2.99	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Chromium, Total	27.4		mg/kg	0.856	0.082	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Cobalt, Total	11.2		mg/kg	1.71	0.142	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Copper, Total	42.1		mg/kg	0.856	0.221	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Iron, Total	15600		mg/kg	4.28	0.773	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Lead, Total	2.11	J	mg/kg	4.28	0.229	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Magnesium, Total	5280		mg/kg	8.56	1.32	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Manganese, Total	203		mg/kg	0.856	0.136	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Mercury, Total	0.146		mg/kg	0.069	0.045	1	09/17/19 04:30	09/17/19 16:47	EPA 7471B	1,7471B	GD
Nickel, Total	20.2		mg/kg	2.14	0.207	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Potassium, Total	5960		mg/kg	214	12.3	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.71	0.221	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.856	0.242	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Sodium, Total	657		mg/kg	171	2.70	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.71	0.270	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Vanadium, Total	39.5		mg/kg	0.856	0.174	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Zinc, Total	39.2		mg/kg	4.28	0.251	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17100		mg/kg	8.49	2.29	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.24	0.323	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.849	0.177	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Barium, Total	285		mg/kg	0.849	0.148	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Beryllium, Total	0.170	J	mg/kg	0.424	0.028	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.849	0.083	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Calcium, Total	402		mg/kg	8.49	2.97	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Chromium, Total	50.9		mg/kg	0.849	0.082	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Cobalt, Total	11.3		mg/kg	1.70	0.141	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Copper, Total	92.1		mg/kg	0.849	0.219	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Iron, Total	33900		mg/kg	4.24	0.767	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Lead, Total	5.16		mg/kg	4.24	0.228	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Magnesium, Total	7250		mg/kg	8.49	1.31	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Manganese, Total	224		mg/kg	0.849	0.135	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.070	0.045	1	09/17/19 04:30	09/17/19 16:51	EPA 7471B	1,7471B	GD
Nickel, Total	44.1		mg/kg	2.12	0.205	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Potassium, Total	10500		mg/kg	212	12.2	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.70	0.219	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.849	0.240	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Sodium, Total	396		mg/kg	170	2.67	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.70	0.267	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Vanadium, Total	46.2		mg/kg	0.849	0.172	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Zinc, Total	64.7		mg/kg	4.24	0.249	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1220		mg/kg	7.85	2.12	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	3.93	0.298	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Arsenic, Total	1.30		mg/kg	0.785	0.163	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Barium, Total	22.7		mg/kg	0.785	0.137	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Beryllium, Total	0.047	J	mg/kg	0.393	0.026	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.785	0.077	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Calcium, Total	2130		mg/kg	7.85	2.75	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Chromium, Total	5.01		mg/kg	0.785	0.075	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Cobalt, Total	1.61		mg/kg	1.57	0.130	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Copper, Total	8.62		mg/kg	0.785	0.203	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Iron, Total	4570		mg/kg	3.93	0.709	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Lead, Total	6.97		mg/kg	3.93	0.210	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Magnesium, Total	694		mg/kg	7.85	1.21	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Manganese, Total	69.2		mg/kg	0.785	0.125	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.065	0.042	1	09/17/19 04:30	09/17/19 16:54	EPA 7471B	1,7471B	GD
Nickel, Total	4.65		mg/kg	1.96	0.190	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Potassium, Total	308		mg/kg	196	11.3	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.57	0.203	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.785	0.222	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Sodium, Total	351		mg/kg	157	2.47	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.57	0.247	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Vanadium, Total	8.94		mg/kg	0.785	0.159	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Zinc, Total	62.4		mg/kg	3.93	0.230	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	25300		mg/kg	8.99	2.43	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.49	0.342	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.899	0.187	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Barium, Total	267		mg/kg	0.899	0.156	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Beryllium, Total	0.099	J	mg/kg	0.449	0.030	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.899	0.088	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Calcium, Total	1320		mg/kg	8.99	3.15	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Chromium, Total	54.4		mg/kg	0.899	0.086	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Cobalt, Total	18.1		mg/kg	1.80	0.149	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Copper, Total	54.3		mg/kg	0.899	0.232	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Iron, Total	39200		mg/kg	4.49	0.812	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Lead, Total	3.77	J	mg/kg	4.49	0.241	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Magnesium, Total	11500		mg/kg	8.99	1.38	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Manganese, Total	280		mg/kg	0.899	0.143	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.072	0.047	1	09/17/19 04:30	09/17/19 16:57	EPA 7471B	1,7471B	GD
Nickel, Total	32.7		mg/kg	2.25	0.218	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Potassium, Total	18000		mg/kg	225	12.9	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.80	0.232	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.899	0.254	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Sodium, Total	371		mg/kg	180	2.83	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.80	0.283	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Vanadium, Total	84.2		mg/kg	0.899	0.182	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Zinc, Total	106		mg/kg	4.49	0.263	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11000		mg/kg	8.45	2.28	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.23	0.321	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Arsenic, Total	2.55		mg/kg	0.845	0.176	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Barium, Total	150		mg/kg	0.845	0.147	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Beryllium, Total	0.152	J	mg/kg	0.423	0.028	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.845	0.083	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Calcium, Total	13700		mg/kg	8.45	2.96	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Chromium, Total	25.2		mg/kg	0.845	0.081	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Cobalt, Total	10.2		mg/kg	1.69	0.140	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Copper, Total	33.4		mg/kg	0.845	0.218	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Iron, Total	20000		mg/kg	4.23	0.763	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Lead, Total	404		mg/kg	4.23	0.226	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Magnesium, Total	5340		mg/kg	8.45	1.30	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Manganese, Total	300		mg/kg	0.845	0.134	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Mercury, Total	0.145		mg/kg	0.068	0.045	1	09/17/19 04:30	09/17/19 17:00	EPA 7471B	1,7471B	GD
Nickel, Total	15.9		mg/kg	2.11	0.204	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Potassium, Total	5170		mg/kg	211	12.2	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.69	0.218	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.845	0.239	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Sodium, Total	410		mg/kg	169	2.66	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.69	0.266	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Vanadium, Total	36.9		mg/kg	0.845	0.172	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Zinc, Total	64.7		mg/kg	4.23	0.248	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-17 Batch: WG1284789-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Barium, Total	ND		mg/kg	0.400	0.070	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Iron, Total	0.372	J	mg/kg	2.00	0.361	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Lead, Total	ND		mg/kg	2.00	0.107	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Potassium, Total	ND		mg/kg	100	5.76	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Silver, Total	ND		mg/kg	0.400	0.113	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Sodium, Total	ND		mg/kg	80.0	1.26	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-17 Batch: WG1284870-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/17/19 04:30	09/17/19 15:38	1,7471B	GD

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-17 Batch: WG1284789-2 SRM Lot Number: D105-540								
Aluminum, Total	69		-		51-149	-		
Antimony, Total	146		-		19-249	-		
Arsenic, Total	102		-		70-130	-		
Barium, Total	92		-		75-125	-		
Beryllium, Total	99		-		75-125	-		
Cadmium, Total	98		-		75-125	-		
Calcium, Total	89		-		73-127	-		
Chromium, Total	92		-		70-130	-		
Cobalt, Total	98		-		75-125	-		
Copper, Total	96		-		75-125	-		
Iron, Total	87		-		38-162	-		
Lead, Total	94		-		71-128	-		
Magnesium, Total	85		-		63-137	-		
Manganese, Total	95		-		76-124	-		
Nickel, Total	99		-		70-131	-		
Potassium, Total	81		-		60-140	-		
Selenium, Total	102		-		63-137	-		
Silver, Total	94		-		69-131	-		
Sodium, Total	97		-		37-162	-		
Thallium, Total	95		-		68-132	-		
Vanadium, Total	92		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-17 Batch: WG1284789-2 SRM Lot Number: D105-540					
Zinc, Total	98	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-17 Batch: WG1284870-2 SRM Lot Number: D105-540					
Mercury, Total	85	-	60-141	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-17 QC Batch ID: WG1284789-3 QC Sample: L1941584-01 Client ID: WC-A-3 (0-5)												
Aluminum, Total	11400	178	12000	**336**	Q	-	-		75-125	-		20
Antimony, Total	ND	44.6	37.4	84		-	-		75-125	-		20
Arsenic, Total	2.57	10.7	13.6	103		-	-		75-125	-		20
Barium, Total	185	178	286	**57**	Q	-	-		75-125	-		20
Beryllium, Total	0.205J	4.46	4.27	96		-	-		75-125	-		20
Cadmium, Total	ND	4.55	3.79	83		-	-		75-125	-		20
Calcium, Total	23800	892	12500	**0**	Q	-	-		75-125	-		20
Chromium, Total	27.5	17.8	40.8	**74**	Q	-	-		75-125	-		20
Cobalt, Total	8.98	44.6	48.5	89		-	-		75-125	-		20
Copper, Total	28.4	22.3	52.4	108		-	-		75-125	-		20
Iron, Total	18600	89.2	17900	**0**	Q	-	-		75-125	-		20
Lead, Total	97.0	45.5	147	110		-	-		75-125	-		20
Magnesium, Total	12300	892	6240	**0**	Q	-	-		75-125	-		20
Manganese, Total	267	44.6	318	114		-	-		75-125	-		20
Nickel, Total	19.1	44.6	57.0	85		-	-		75-125	-		20
Potassium, Total	3140	892	4260	**126**	Q	-	-		75-125	-		20
Selenium, Total	ND	10.7	9.35	87		-	-		75-125	-		20
Silver, Total	ND	26.8	25.8	96		-	-		75-125	-		20
Sodium, Total	493	892	1410	103		-	-		75-125	-		20
Thallium, Total	ND	10.7	8.69	81		-	-		75-125	-		20
Vanadium, Total	32.8	44.6	76.2	97		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-17 QC Batch ID: WG1284789-3 QC Sample: L1941584-01 Client ID: WC-A-3 (0-5)										
Zinc, Total	129	44.6	140	**25**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-17 QC Batch ID: WG1284870-3 QC Sample: L1941584-01 Client ID: WC-A-3 (0-5)										
Mercury, Total	0.404	0.149	0.498	**63**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-17 QC Batch ID: WG1284789-4 QC Sample: L1941584-01 Client ID: WC-A-3 (0-5)						
Aluminum, Total	11400	13300	mg/kg	15		20
Antimony, Total	ND	0.593J	mg/kg	NC		20
Arsenic, Total	2.57	2.84	mg/kg	10		20
Barium, Total	185	123	mg/kg	**40**	Q	20
Beryllium, Total	0.205J	0.241J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	23800	11500	mg/kg	**70**	Q	20
Chromium, Total	27.5	28.5	mg/kg	4		20
Cobalt, Total	8.98	10.7	mg/kg	17		20
Copper, Total	28.4	32.7	mg/kg	14		20
Iron, Total	18600	21800	mg/kg	16		20
Lead, Total	97.0	104	mg/kg	7		20
Magnesium, Total	12300	6140	mg/kg	**67**	Q	20
Manganese, Total	267	286	mg/kg	7		20
Nickel, Total	19.1	20.7	mg/kg	8		20
Potassium, Total	3140	3870	mg/kg	**21**	Q	20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	493	514	mg/kg	4		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-17 QC Batch ID: WG1284789-4 QC Sample: L1941584-01 Client ID: WC-A-3 (0-5)						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	32.8	38.2	mg/kg	15		20
Zinc, Total	129	97.1	mg/kg	**28**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-17 QC Batch ID: WG1284870-4 QC Sample: L1941584-01 Client ID: WC-A-3 (0-5)						
Mercury, Total	0.404	0.506	mg/kg	**22**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.3		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	09/12/19 15:15	09/13/19 12:54	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.8		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/12/19 15:15	09/13/19 12:55	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.4		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	0.25	J	mg/kg	1.0	0.22	1	09/12/19 15:15	09/13/19 12:56	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.5		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/12/19 15:15	09/13/19 12:57	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/12/19 15:15	09/13/19 13:00	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.8		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/12/19 15:15	09/13/19 13:01	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/12/19 15:15	09/13/19 13:04	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.0		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	09/12/19 15:15	09/13/19 13:05	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.4		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	09/12/19 15:15	09/13/19 13:06	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.6		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	0.98	0.21	1	09/12/19 15:15	09/13/19 13:07	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.1		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	0.98	0.21	1	09/12/19 15:15	09/13/19 13:08	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/12/19 15:15	09/13/19 13:09	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.6		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/12/19 15:15	09/13/19 13:10	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.6		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/12/19 15:15	09/13/19 13:11	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.2		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	0.94	0.20	1	09/12/19 15:15	09/13/19 13:12	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/12/19 15:15	09/13/19 13:29	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.7		%	0.100	NA	1	-	09/13/19 08:26	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/15/19 13:20	09/16/19 16:17	1,9010C/9012B	JO

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG1283363-1										
Cyanide, Total	ND		mg/kg	0.88	0.19	1	09/12/19 15:15	09/13/19 12:32	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 11-16 Batch: WG1283364-1										
Cyanide, Total	ND		mg/kg	0.88	0.19	1	09/12/19 15:15	09/13/19 12:33	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 17 Batch: WG1284337-1										
Cyanide, Total	ND		mg/kg	0.83	0.18	1	09/15/19 13:20	09/16/19 15:50	1,9010C/9012B	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1283363-2 WG1283363-3								
Cyanide, Total	**52**	Q	**60**	Q	80-120	14		35
General Chemistry - Westborough Lab Associated sample(s): 11-16 Batch: WG1283364-2 WG1283364-3								
Cyanide, Total	**51**	Q	**61**	Q	80-120	18		35
General Chemistry - Westborough Lab Associated sample(s): 17 Batch: WG1284337-2 WG1284337-3								
Cyanide, Total	**54**	Q	**72**	Q	80-120	**44**	Q	35

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 (4-5) QC Batch ID: WG1283363-4 WG1283363-5 QC Sample: L1941584-04 Client ID: B-4												
Cyanide, Total	ND	10	10	96		9.8	92		75-125	2		35
General Chemistry - Westborough Lab Associated sample(s): 17 QC Batch ID: WG1284337-4 WG1284337-5 QC Sample: L1942076-01 Client ID: MS Sample												
Cyanide, Total	ND	10	10	95		10	93		75-125	0		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-16 QC Batch ID: WG1283226-1 QC Sample: L1941584-01 Client ID: WC-A-3 (0-5)						
Solids, Total	84.3	82.3	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 17 QC Batch ID: WG1283694-1 QC Sample: L1941772-01 Client ID: DUP Sample						
Solids, Total	87.7	87.1	%	1		20

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941584-01A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-01B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-01C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-01D	Glass 60ml unpreserved split	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L1941584-01E	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-01F	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-01X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-01Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-01Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-02A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-02B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-02C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-02D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L1941584-02F	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-02X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-02Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260H(14),NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941584-02Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-03A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-03B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-03C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-03D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L1941584-03F	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-03X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-03Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-03Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-04A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-04B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-04C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-04D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L1941584-04F	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941584-04G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-04X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-04Y	Vial Water preserved split	A	NA		4.2	Y	Absent	13-SEP-19 04:07	NYTCL-8260HLW(14)
L1941584-04Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-05A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-05B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-05C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941584-05D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L1941584-05F	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941584-05G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-05X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-05Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-05Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-06A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-06B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-06C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-06D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L1941584-06F	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-06X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-06Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-06Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-07A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-07B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-07C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-07D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941584-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L1941584-07F	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941584-07G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-07X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-07Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-07Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-08A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-08B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-08C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-08D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),HG-T(28),FE-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L1941584-08F	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941584-08G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-08X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-08Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-08Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-09A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-09B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-09C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-09D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941584-09E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L1941584-09F	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941584-09G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-09X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-09Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-09Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-10A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-10B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-10C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-10D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-10E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941584-10F	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941584-10G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-10X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-10Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260HLW(14)
L1941584-10Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260HLW(14)
L1941584-11A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-11B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-11C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-11D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941584-11E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L1941584-11G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-11H	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		HOLD-537(28)
L1941584-11X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-11Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260HLW(14)
L1941584-11Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260HLW(14)
L1941584-12A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-12B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-12C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-12D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-12E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L1941584-12G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-12H	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		HOLD-537(28)
L1941584-12X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-12Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260HLW(14)
L1941584-12Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260HLW(14)
L1941584-13A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941584-13B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941584-13C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941584-13D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941584-13E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L1941584-13G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-13H	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		HOLD-537(28)
L1941584-13X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941584-13Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941584-13Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941584-14A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-14B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-14C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-14D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-14E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L1941584-14G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-14H	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		HOLD-537(28)
L1941584-14X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-14Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-14Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-15A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-15B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-15C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-15D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941584-15E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L1941584-15G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-15H	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		HOLD-537(28)
L1941584-15X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-15Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-15Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-16A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-16B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-16C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-16D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-16E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L1941584-16G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-16H	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		HOLD-537(28)
L1941584-16X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-16Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-16Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-17A	1 Vial MeOH/2 Vial Water	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-17B	1 Vial MeOH/2 Vial Water	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-17C	1 Vial MeOH/2 Vial Water	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-17D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-17E	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		HOLD-537(28),A2-NY-537-ISOTOPE(28)
L1941584-17F	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941584-17G	Glass 120ml unpreserved split	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941584-17X	1 Vial MeOH/2 Vial Water	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-17Y	1 Vial MeOH/2 Vial Water	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-17Z	1 Vial MeOH/2 Vial Water	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name:	33 CENTRE AVE	**Lab Number:**	L1941584
Project Number:	10567 PHASE3.1	**Report Date:**	10/18/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1941584
Project Number:	10567 PHASE3.1	**Report Date:**	10/18/19

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

Terms

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1941584
Project Number:	10567 PHASE3.1	**Report Date:**	10/18/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

122 Determination of Selected Perfluorintated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS). EPA Method 537, EPA/600/R-08/092. Version 1.1, September 2009.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 09/12/19

ALPHA Job #: L1941584

Client Information
Client: SESI
Address: 12A Maple Ave
Pine Brook, NJ
Phone: 973-808-9050
Fax:
Email: jem@sesi.org

Project Information
Project Name: 33 Centre Ave
Project Location: New Rochelle, NY
Project #: 10567 Phase 3.1
(Use Project name as Project #) ☐
Project Manager: Jesse, M.
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☑ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☑ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☑ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
TCL+30 iTAL | TCL+30 TAL PFAS PFOA

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+30 iTAL	TCL+30 TAL PFAS PFOA	Sample Specific Comments
41584-01	WC-A-3(0-5)	9/11/19	9:00	Soil	T.P	✓		
-02	WC-A-4(0-6)	9/11/19	9:30			✓		
-03	WC-B-4(0-5)		12:40			✓		
-04	B-4 (4-5)		9:10				✓	
-05	B-4 (7-8)		9:05				✓	
-06	WC-B-3(0-5)		10:30			✓		
-07	B-9(3-4)		9:40				✓	
-08	B-9 (6-7)		9:45				✓	
-09	B-14(8-9)		10:45				✓	
-10	B-14(2-3)		10:40				✓	

Container Type: 4P | 4P
Preservative: / | /

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Tanji Patel	9/11/19 3:30		9/11/19 16:00
FedEx Ground	9/11/19 1800		9/11/19 2005
FedEx AAL	9/12/19 0205		9/12/19 0205

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 09/12/19

ALPHA Job #: L1941584

Client Information
Client: SESI
Address: 12A Maple Ave
Pine Brook
Phone: 973-808-9050
Fax:
Email: jam@sesi.org

Project Information
Project Name: 33 Centre Ave
Project Location: New Rochelle, NY
Project #: 10567 Phase 3.1
(Use Project name as Project #) ☐
Project Manager: Jesse, M.
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☑ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☑ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☑ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
TCL+30 TAL
~~TCL+30 TAL + Tentatively Identified Compounds~~

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+30 TAL	Sample Specific Comments
41584-11	B-13(3-4)	9/11/19	11:00	Soil	T.P	✓	
-12	B-13(6-7)		11:05			✓	
-13	B-8(4-5)		12:00			✓	
-14	B-8(5-6)		12:05			✓	
-15	B-3(4-5)		12:15			✓	
-16	B-3(6-7)		12:20			✓	

Container Type: P / G
Preservative: /

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Taj Patel	9/11/19 3:30	[illegible]	9/11/19 1600
Reg Vog/Ant	9/11/19 1800	[illegible]	9/11/19 2005
[illegible] AAL	9/12/19 0205	[illegible]	9/12/19 0205

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1959041
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	33 CENTRE AVE
Project Number:	10567
Report Date:	12/12/19

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

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

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

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1959041
Report Date: 12/12/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1959041-01	A-1R (0-5)	SOIL	NEW ROCHELLE, NY	12/10/19 10:20	12/10/19
L1959041-02	A-1R (5-10)	SOIL	NEW ROCHELLE, NY	12/10/19 10:30	12/10/19
L1959041-03	A-2R (0-5)	SOIL	NEW ROCHELLE, NY	12/10/19 09:45	12/10/19
L1959041-04	A-3R (0-5)	SOIL	NEW ROCHELLE, NY	12/10/19 12:00	12/10/19
L1959041-05	A-3R (5-10)	SOIL	NEW ROCHELLE, NY	12/10/19 12:10	12/10/19
L1959041-06	A-4R (0-5)	SOIL	NEW ROCHELLE, NY	12/10/19 11:30	12/10/19
L1959041-07	A-4R (5-10)	SOIL	NEW ROCHELLE, NY	12/10/19 11:45	12/10/19
L1959041-08	B-1R (0-5)	SOIL	NEW ROCHELLE, NY	12/10/19 09:00	12/10/19
L1959041-09	B-1R (5-10)	SOIL	NEW ROCHELLE, NY	12/10/19 09:15	12/10/19
L1959041-10	B-2R (0-5)	SOIL	NEW ROCHELLE, NY	12/10/19 08:45	12/10/19
L1959041-11	B-3R (0-5)	SOIL	NEW ROCHELLE, NY	12/10/19 11:10	12/10/19
L1959041-12	B-4R (0-5)	SOIL	NEW ROCHELLE, NY	12/10/19 10:50	12/10/19
L1959041-13	B-4R (5-10)	SOIL	NEW ROCHELLE, NY	12/10/19 11:00	12/10/19

Project Name:	33 CENTRE AVE	**Lab Number:**	L1959041
Project Number:	10567	**Report Date:**	12/12/19

Case Narrative

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

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

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

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

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

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

Project Name:	33 CENTRE AVE	**Lab Number:**	L1959041
Project Number:	10567	**Report Date:**	12/12/19

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 12/12/19

ORGANICS

PETROLEUM HYDROCARBONS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-01
Client ID: A-1R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 10:20
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 08:39
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	26.8	26.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	87		40-140
o-Terphenyl	87		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-02
Client ID: A-1R (5-10)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 10:30
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 09:08
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	25.8	25.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	76		40-140
o-Terphenyl	77		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-03
Client ID: A-2R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 09:45
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 09:38
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	25.5	25.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	89		40-140
o-Terphenyl	90		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-04
Client ID: A-3R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 12:00
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 11:06
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	251		mg/kg	26.3	26.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	77		40-140
o-Terphenyl	74		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-05
Client ID: A-3R (5-10)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 12:10
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 11:35
Analyst: MEO
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	550		mg/kg	24.8	24.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	75		40-140
o-Terphenyl	78		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-06
Client ID: A-4R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 11:30
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 14:02
Analyst: SC
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	261		mg/kg	26.5	26.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	70		40-140
o-Terphenyl	65		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-07
Client ID: A-4R (5-10)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 11:45
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 10:07
Analyst: MEO
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	24.4	24.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	75		40-140
o-Terphenyl	75		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-08
Client ID: B-1R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 09:00
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 14:32
Analyst: SC
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	1260		mg/kg	27.2	27.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	80		40-140
o-Terphenyl	75		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-09
Client ID: B-1R (5-10)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 09:15
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 10:36
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	26.2	26.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	80		40-140
o-Terphenyl	78		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-10
Client ID: B-2R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 08:45
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 15:01
Analyst: SC
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	268		mg/kg	26.8	26.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	97		40-140
o-Terphenyl	92		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-11
Client ID: B-3R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 11:10
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 15:31
Analyst: SC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	465		mg/kg	27.1	27.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	93		40-140
o-Terphenyl	100		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-12
Client ID: B-4R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 10:50
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 16:00
Analyst: SC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	26.1	26.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	62		40-140
o-Terphenyl	61		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-13
Client ID: B-4R (5-10)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 11:00
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 16:00
Analyst: SC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	25.2	25.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	66		40-140
o-Terphenyl	66		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 12/10/19 19:19
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 12/10/19 01:14

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 01-13 Batch: WG1318655-1					
Total EPH	ND		mg/kg	23.3	23.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	77		40-140
o-Terphenyl	77		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1959041

Report Date: 12/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-13 Batch: WG1318655-2 WG1318655-3								
Total EPH	93		88		40-140	6		25
Nonane (C9)	81		75		40-140	8		25
Decane (C10)	86		81		40-140	6		25
Dodecane (C12)	82		77		40-140	6		25
Tetradecane (C14)	80		77		40-140	4		25
Hexadecane (C16)	83		80		40-140	4		25
Octadecane (C18)	86		82		40-140	5		25
Eicosane (C20)	85		81		40-140	5		25
Heneicosane (C21)	84		81		40-140	4		25
Docosane (C22)	85		81		40-140	5		25
Tetracosane (C24)	86		82		40-140	5		25
Hexacosane (C26)	86		82		40-140	5		25
Octacosane (C28)	85		82		40-140	4		25
Triacontane (C30)	86		83		40-140	4		25
Dotriacontane (C32)	88		84		40-140	5		25
Tetratriacontane (C34)	86		81		40-140	6		25
Hexatriacontane (C36)	87		81		40-140	7		25
Octatriacontane (C38)	88		81		40-140	8		25
Tetracontane (C40)	87		79		40-140	10		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1959041
Report Date: 12/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-13 Batch: WG1318655-2 WG1318655-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	80		76		40-140
o-Terphenyl	81		77		40-140

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1318655-4 QC Sample: L1958495-04 Client ID: MS Sample												
Total EPH	ND	324	298	92		-	-		40-140	-		50
Nonane (C9)	ND	8.99	5.77	64		-	-		40-140	-		50
Decane (C10)	ND	8.99	6.46	72		-	-		40-140	-		50
Dodecane (C12)	ND	8.99	5.97	66		-	-		40-140	-		50
Tetradecane (C14)	ND	8.99	6.00	67		-	-		40-140	-		50
Hexadecane (C16)	ND	8.99	6.83	76		-	-		40-140	-		50
Octadecane (C18)	ND	8.99	7.59	84		-	-		40-140	-		50
Eicosane (C20)	ND	8.99	7.62	85		-	-		40-140	-		50
Heneicosane (C21)	ND	8.99	7.64	85		-	-		40-140	-		50
Docosane (C22)	ND	8.99	7.74	86		-	-		40-140	-		50
Tetracosane (C24)	ND	8.99	7.86	87		-	-		40-140	-		50
Hexacosane (C26)	ND	8.99	7.86	87		-	-		40-140	-		50
Octacosane (C28)	ND	8.99	7.81	87		-	-		40-140	-		50
Triacontane (C30)	ND	8.99	7.94	88		-	-		40-140	-		50
Dotriacontane (C32)	ND	8.99	7.99	89		-	-		40-140	-		50
Tetratriacontane (C34)	ND	8.99	7.91	88		-	-		40-140	-		50
Hexatriacontane (C36)	ND	8.99	8.00	89		-	-		40-140	-		50
Octatriacontane (C38)	ND	8.99	8.06	90		-	-		40-140	-		50
Tetracontane (C40)	ND	8.99	7.80	87		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	77				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1959041

Report Date: 12/12/19

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1318655-4 QC Sample: L1958495-04 Client ID: MS Sample												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	75				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1959041
Report Date: 12/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1318655-5 QC Sample: L1958495-04 Client ID: DUP Sample						
Total EPH	ND	ND	mg/kg	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	80		75		40-140
o-Terphenyl	82		75		40-140

METALS

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-01
Client ID: A-1R (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 10:20
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.027	J	mg/l	1.00	0.019	1	12/12/19 10:26	12/12/19 12:18	EPA 3015	1,6010D	LC
Barium, TCLP	0.428	J	mg/l	0.500	0.021	1	12/12/19 10:26	12/12/19 12:18	EPA 3015	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 10:26	12/12/19 12:18	EPA 3015	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/12/19 10:26	12/12/19 12:18	EPA 3015	1,6010D	LC
Lead, TCLP	0.041	J	mg/l	0.500	0.027	1	12/12/19 10:26	12/12/19 12:18	EPA 3015	1,6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 11:31	EPA 7470A	1,7470A	GD
Selenium, TCLP	0.044	J	mg/l	0.500	0.035	1	12/12/19 10:26	12/12/19 12:18	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 10:26	12/12/19 12:18	EPA 3015	1,6010D	LC

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-02
Client ID: A-1R (5-10)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 10:30
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 10:26	12/12/19 12:22	EPA 3015	1,6010D	LC
Barium, TCLP	0.514		mg/l	0.500	0.021	1	12/12/19 10:26	12/12/19 12:22	EPA 3015	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 10:26	12/12/19 12:22	EPA 3015	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/12/19 10:26	12/12/19 12:22	EPA 3015	1,6010D	LC
Lead, TCLP	0.029	J	mg/l	0.500	0.027	1	12/12/19 10:26	12/12/19 12:22	EPA 3015	1,6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 11:35	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 10:26	12/12/19 12:22	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 10:26	12/12/19 12:22	EPA 3015	1,6010D	LC

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-03
Client ID: A-2R (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 09:45
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 10:26	12/12/19 12:27	EPA 3015	1,6010D	LC
Barium, TCLP	0.554		mg/l	0.500	0.021	1	12/12/19 10:26	12/12/19 12:27	EPA 3015	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 10:26	12/12/19 12:27	EPA 3015	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/12/19 10:26	12/12/19 12:27	EPA 3015	1,6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	12/12/19 10:26	12/12/19 12:27	EPA 3015	1,6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 11:37	EPA 7470A	1,7470A	GD
Selenium, TCLP	0.079	J	mg/l	0.500	0.035	1	12/12/19 10:26	12/12/19 12:27	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 10:26	12/12/19 12:27	EPA 3015	1,6010D	LC

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-04
Client ID: A-3R (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 12:00
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 11:15	EPA 3015	1,6010D	PE
Barium, TCLP	0.489	J	mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 11:15	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 11:15	EPA 3015	1,6010D	PE
Chromium, TCLP	0.061	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 11:15	EPA 3015	1,6010D	PE
Lead, TCLP	0.101	J	mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 11:15	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 11:55	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 11:15	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 11:15	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-05
Client ID: A-3R (5-10)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 12:10
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 11:20	EPA 3015	1,6010D	PE
Barium, TCLP	0.464	J	mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 11:20	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 11:20	EPA 3015	1,6010D	PE
Chromium, TCLP	0.060	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 11:20	EPA 3015	1,6010D	PE
Lead, TCLP	0.108	J	mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 11:20	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 11:57	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 11:20	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 11:20	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-06
Client ID: A-4R (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 11:30
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 11:25	EPA 3015	1,6010D	PE
Barium, TCLP	0.655		mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 11:25	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 11:25	EPA 3015	1,6010D	PE
Chromium, TCLP	0.058	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 11:25	EPA 3015	1,6010D	PE
Lead, TCLP	0.092	J	mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 11:25	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 12:00	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 11:25	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 11:25	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-07
Client ID: A-4R (5-10)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 11:45
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 11:43	EPA 3015	1,6010D	PE
Barium, TCLP	0.389	J	mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 11:43	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 11:43	EPA 3015	1,6010D	PE
Chromium, TCLP	0.034	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 11:43	EPA 3015	1,6010D	PE
Lead, TCLP	ND		mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 11:43	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 12:02	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 11:43	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 11:43	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-08
Client ID: B-1R (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 09:00
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 11:48	EPA 3015	1,6010D	PE
Barium, TCLP	0.553		mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 11:48	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 11:48	EPA 3015	1,6010D	PE
Chromium, TCLP	0.042	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 11:48	EPA 3015	1,6010D	PE
Lead, TCLP	0.134	J	mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 11:48	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 12:04	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 11:48	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 11:48	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-09
Client ID: B-1R (5-10)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 09:15
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 11:53	EPA 3015	1,6010D	PE
Barium, TCLP	0.364	J	mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 11:53	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 11:53	EPA 3015	1,6010D	PE
Chromium, TCLP	0.051	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 11:53	EPA 3015	1,6010D	PE
Lead, TCLP	ND		mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 11:53	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 12:06	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 11:53	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 11:53	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-10
Client ID: B-2R (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 08:45
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 11:57	EPA 3015	1,6010D	PE
Barium, TCLP	0.094	J	mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 11:57	EPA 3015	1,6010D	PE
Cadmium, TCLP	0.013	J	mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 11:57	EPA 3015	1,6010D	PE
Chromium, TCLP	0.195	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 11:57	EPA 3015	1,6010D	PE
Lead, TCLP	ND		mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 11:57	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 12:08	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 11:57	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 11:57	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-11
Client ID: B-3R (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 11:10
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 12:02	EPA 3015	1,6010D	PE
Barium, TCLP	1.28		mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 12:02	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 12:02	EPA 3015	1,6010D	PE
Chromium, TCLP	0.051	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 12:02	EPA 3015	1,6010D	PE
Lead, TCLP	0.731		mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 12:02	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 12:11	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 12:02	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 12:02	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-12
Client ID: B-4R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Percent Solids: 90%

Date Collected: 12/10/19 10:50
Date Received: 12/10/19
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 12:07	EPA 3015	1,6010D	PE
Barium, TCLP	1.44		mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 12:07	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 12:07	EPA 3015	1,6010D	PE
Chromium, TCLP	0.061	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 12:07	EPA 3015	1,6010D	PE
Lead, TCLP	2.72		mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 12:07	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 12:13	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 12:07	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 12:07	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-13
Client ID: B-4R (5-10)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 11:00
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 12:11	EPA 3015	1,6010D	PE
Barium, TCLP	1.04		mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 12:11	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 12:11	EPA 3015	1,6010D	PE
Chromium, TCLP	0.125	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 12:11	EPA 3015	1,6010D	PE
Lead, TCLP	0.157	J	mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 12:11	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 12:15	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 12:11	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 12:11	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1319850-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 11:02	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 12/09/19 07:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 04-13 Batch: WG1319853-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 11:40	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 12/11/19 00:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 04-13 Batch: WG1319908-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 10:48	1,6010D	PE
Barium, TCLP	ND		mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 10:48	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 10:48	1,6010D	PE
Chromium, TCLP	0.060	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 10:48	1,6010D	PE
Lead, TCLP	ND		mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 10:48	1,6010D	PE
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 10:48	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 10:48	1,6010D	PE

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 12/11/19 00:00

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1319949-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 10:26	12/12/19 11:54	1,6010D	LC
Barium, TCLP	ND		mg/l	0.500	0.021	1	12/12/19 10:26	12/12/19 11:54	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 10:26	12/12/19 11:54	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/12/19 10:26	12/12/19 11:54	1,6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	12/12/19 10:26	12/12/19 11:54	1,6010D	LC
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 10:26	12/12/19 11:54	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 10:26	12/12/19 11:54	1,6010D	LC

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 12/09/19 07:40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1959041

Report Date: 12/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1319850-2								
Mercury, TCLP	104		-		80-120	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04-13 Batch: WG1319853-2								
Mercury, TCLP	106		-		80-120	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04-13 Batch: WG1319908-2								
Arsenic, TCLP	109		-		75-125	-		20
Barium, TCLP	102		-		75-125	-		20
Cadmium, TCLP	102		-		75-125	-		20
Chromium, TCLP	104		-		75-125	-		20
Lead, TCLP	98		-		75-125	-		20
Selenium, TCLP	108		-		75-125	-		20
Silver, TCLP	99		-		75-125	-		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1959041

Report Date: 12/12/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1319949-2					
Arsenic, TCLP	109	-	75-125	-	20
Barium, TCLP	101	-	75-125	-	20
Cadmium, TCLP	97	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	94	-	75-125	-	20
Selenium, TCLP	112	-	75-125	-	20
Silver, TCLP	98	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1959041
Report Date: 12/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1319850-3 QC Sample: L1958123-01 Client ID: MS Sample												
Mercury, TCLP	0.0025	0.025	0.0308	113		-	-		80-120	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04-13 QC Batch ID: WG1319853-3 QC Sample: L1957063-01 Client ID: MS Sample												
Mercury, TCLP	ND	0.025	0.0271	108		-	-		80-120	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04-13 QC Batch ID: WG1319908-3 QC Sample: L1957063-01 Client ID: MS Sample												
Arsenic, TCLP	0.032J	1.2	1.36	113		-	-		75-125	-		20
Barium, TCLP	0.111J	20	20.5	102		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.525	103		-	-		75-125	-		20
Chromium, TCLP	0.060J	2	2.09	104		-	-		75-125	-		20
Lead, TCLP	ND	5.1	5.08	100		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.32	110		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.511	102		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1319949-3 QC Sample: L1957606-10 Client ID: MS Sample												
Arsenic, TCLP	0.023J	1.2	1.31	109		-	-		75-125	-		20
Barium, TCLP	0.442J	20	21.0	105		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.510	100		-	-		75-125	-		20
Chromium, TCLP	ND	2	2.01	100		-	-		75-125	-		20
Lead, TCLP	0.079J	5.1	4.94	97		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.38	115		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.494	99		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1959041
Report Date: 12/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1319850-4 QC Sample: L1958123-01 Client ID: DUP Sample						
Mercury, TCLP	0.0025	0.0025	mg/l	1		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04-13 QC Batch ID: WG1319853-4 QC Sample: L1957063-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04-13 QC Batch ID: WG1319908-4 QC Sample: L1957063-01 Client ID: DUP Sample						
Arsenic, TCLP	0.032J	0.021J	mg/l	NC		20
Barium, TCLP	0.111J	0.104J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	0.060J	0.047J	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	0.036J	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1319949-4 QC Sample: L1957606-10 Client ID: DUP Sample						
Arsenic, TCLP	0.023J	ND	mg/l	NC		20
Barium, TCLP	0.442J	0.442J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.079J	0.086J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-01
Client ID: A-1R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 10:20
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-02
Client ID: A-1R (5-10)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 10:30
Date Received: 12/10/19
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-03
Client ID: A-2R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 09:45
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-04
Client ID: A-3R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 12:00
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-05
Client ID: A-3R (5-10)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 12:10
Date Received: 12/10/19
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-06
Client ID: A-4R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 11:30
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-07
Client ID: A-4R (5-10)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 11:45
Date Received: 12/10/19
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-08
Client ID: B-1R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 09:00
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-09
Client ID: B-1R (5-10)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 09:15
Date Received: 12/10/19
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-10
Client ID: B-2R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 08:45
Date Received: 12/10/19
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-11
Client ID: B-3R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 11:10
Date Received: 12/10/19
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-12
Client ID: B-4R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 10:50
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-13
Client ID: B-4R (5-10)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 11:00
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-01
Client ID: A-1R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 10:20
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	7.8		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:55	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:38	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-02
Client ID: A-1R (5-10)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 10:30
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	7.6		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:55	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:38	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-03
Client ID: A-2R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 09:45
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	7.4		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:55	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:38	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-04
Client ID: A-3R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 12:00
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.1		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	8.8		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:55	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:38	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-05
Client ID: A-3R (5-10)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 12:10
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.6		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	8.0		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:56	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:38	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-06
Client ID: A-4R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 11:30
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.9		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	9.4		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:56	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:40	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-07
Client ID: A-4R (5-10)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 11:45
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	8.6		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:57	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:40	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-08
Client ID: B-1R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 09:00
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	8.4		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:57	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:40	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-09
Client ID: B-1R (5-10)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 09:15
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.0		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	6.7		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:57	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:40	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-10
Client ID: B-2R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 08:45
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.0		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	8.9		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:57	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:40	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-11
Client ID: B-3R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 11:10
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.2		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	8.8		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:58	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:41	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-12
Client ID: B-4R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 10:50
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	9.3		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:58	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:41	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-13
Client ID: B-4R (5-10)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 11:00
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	9.1		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:58	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:41	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-13 Batch: WG1319222-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:37	125,7.3	KF
General Chemistry - Westborough Lab for sample(s): 01-13 Batch: WG1319223-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:50	125,7.3	KF

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1959041

Report Date: 12/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-13 Batch: WG1319222-2								
Sulfide, Reactive	105		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-13 Batch: WG1319223-2								
Cyanide, Reactive	81		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-13 Batch: WG1319645-1								
pH	100		-		99-101	-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1959041
Report Date: 12/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1319216-1 QC Sample: L1959041-03 Client ID: A-2R (0-5)						
Solids, Total	89.2	89.3	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1319222-3 QC Sample: L1959041-13 Client ID: B-4R (5-10)						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1319223-3 QC Sample: L1959041-13 Client ID: B-4R (5-10)						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1319645-2 QC Sample: L1958863-01 Client ID: DUP Sample						
pH	6.0	5.9	SU	2		5

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1959041
Report Date: 12/12/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1959041-01A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		IGNIT-1030(14),NJEPH-TPH-CAT2(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1959041-01X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-02A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		NJEPH-TPH-CAT2(14),IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L1959041-02X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-03A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		IGNIT-1030(14),NJEPH-TPH-CAT2(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L1959041-03X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-04A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		IGNIT-1030(14),REACTS(14),NJEPH-TPH-CAT2(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1959041-04X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-05A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		IGNIT-1030(14),NJEPH-TPH-CAT2(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1959041
Report Date: 12/12/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1959041-05X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-06A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		NJEPH-TPH-CAT2(14),IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-06X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L1959041-06X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-07A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		NJEPH-TPH-CAT2(14),REACTS(14),IGNIT-1030(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-07X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1959041-07X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-08A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		NJEPH-TPH-CAT2(14),IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-08X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L1959041-08X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-09A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		IGNIT-1030(14),REACTS(14),NJEPH-TPH-CAT2(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-09X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L1959041-09X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-10A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		REACTS(14),IGNIT-1030(14),NJEPH-TPH-CAT2(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-10X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L1959041-10X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-11A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		REACTS(14),IGNIT-1030(14),NJEPH-TPH-CAT2(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-11X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1959041
Report Date: 12/12/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1959041-11X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-12A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		NJEPH-TPH-CAT2(14),IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-12X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1959041-12X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-13A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		IGNIT-1030(14),NJEPH-TPH-CAT2(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-13X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1959041-13X9	Tumble Vessel	A	NA		2.9	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	33 CENTRE AVE	**Lab Number:**	L1959041
Project Number:	10567	**Report Date:**	12/12/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1959041
Project Number:	10567	**Report Date:**	12/12/19

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1959041
Project Number:	10567	**Report Date:**	12/12/19

Data Qualifiers

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1959041
Project Number:	10567	**Report Date:**	12/12/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 1 of 2

Date Rec'd in Lab: 12/10/19

ALPHA Job #: L1959041

Client Information
Client: SESI
Address: 12a Maple ave
Pine Brook, NJ
Phone: 973 808 9050
Fax:
Email: JAM@sesi.org

Project Information
Project Name: 33 Centre ave
Project Location: New Rochelle, NY
Project #: 10567
(Use Project name as Project #): X
Project Manager: Jesse Mansmer
ALPHAQuote #:

Turn-Around Time
Standard: ☐ Due Date:
Rush (only if pre approved): X 24hr # of Days: (3 days for TCLP)

These samples have been previously analyzed by Alpha: ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
X ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
X NY Restricted Use ☐ Other
X NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
X Same as Client Info
PO # 10567 Phase

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	EPH Cat. 2	RCRA Characteristics	TCLP RCRA Metals	Paint Filters	Total Bottle	Sample Specific Comments
59041-01	A-1R (0-5)	12/10/19	1020	Soil	JCS	X	X	X	X		
-02	A-1R (5-10)		1030								
-03	A-2R (0-5)		945								
-04	A-3R (0-5)		1200								
-05	A-3R (5-10)		1210								
-06	A-4R (0-5)		1130								
-07	A-4R (5-10)		1145								
-08	B-1R (0-5)		900								
-09	B-1R (5-10)		915								
-10	B-2R (0-5)		845								

Container Type: A A A A
Preservative: A A A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12/10/19 15:00	P.S. AAL	12/10/19 15:00
P.S. AAL	12/10/19 17:00	Paul Mangella	12/10/19 17:00
Paul Mangella	12/10/19 21:35		12/10/19 21:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONSTITUTIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 12/10/19

ALPHA Job # L1959041

Client Information
Client: GEI
Address: 12a Maple ave
Pine Brook, NJ
Phone: 973 808 9050
Fax:
Email: JAM@GEI.org

Project Information
Project Name: 33 Centre ave
Project Location: New Rochelle, NY
Project #: 10567
(Use Project name as Project #): X
Project Manager: Jesse Mausner
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ 24hr # of Days: 3 day for TCLP

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☒ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO # 10567
Phase

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	EPH+Cat.2	RCRA characteristics	TCLP RCRA metals	Paint Filter	Total Bottle	Sample Specific Comments
59041-11	B-3R(0-5)	12/10/19	1110	Soil	JCS	X	X	X	X		
-12	B-4R(0-5)		1050								
-13	B-4R(5-10)		1100								

Container Type	A	A	A	A
Preservative	A	A	A	A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
DS. AHL	12/10/19 15:00	DS. AHL	12/10/19 15:00
DS. AHL	12/10/19 17:00	[signature]	12/10/19 17:10
[signature]	12/10/19 2135	[signature]	12/11/19 2135

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX G

Groundwater Monitoring Well Sampling Logs

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	New Rochelle			Job Number:	10567	WELL I.D. :	MW-1		
Personnel:	DA			Date:	12/19/2019				
				PID:	0				
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
		17.35	N/E	7.3	10.05		15		Bladder
Turbidity at collection (NTU):		0	(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	7:30	14.92	7.55	1.63	0	143	104	7.3	N
	7:35	15.25	7.54	1.63	0	193	75.1	7.3	N
	7:40	15.3	7.55	1.63	0	193	19.5	7.3	N
	7:45	15.31	7.53	1.64	0	193	2.5	7.3	N
	7:50	15.32	7.53	1.64	0	193	1.2	7.3	N
	7:55	15.33	7.53	1.64	0	193	0.7	7.3	N
	8:00	15.33	7.53	1.64	0	193	0	7.3	N
Well Condition Summary									
Cover: Y / N		Bolts: Y / N		Concrete Pad OK: Y / N		Gripper: Y / N			
Sample Collection Information									
Sample Time:	8:00	Appearance: Clear		Filtered Sample Turbidity:			OTHER:		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK						
Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :
Sock Installation Date:			Sock Changed :		Y / N	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	New Rochelle			Job Number:	10567	WELL I.D. :	MW-2		
Personnel:	DA			Date:	12/19/2019				
				PID:	0				
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
		17.30	N/E	7.51	9.79		15		Bladder
Turbidity at collection (NTU):		0	(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	8:45	13.01	7.29	9.66	0	-10	25.2	7.51	N
	8:50	13.05	7.3	8.25	0	-11	5	7.51	N
	8:55	13.05	7.31	7.92	0	-12	1.5	7.51	N
	9:00	13.06	7.31	7.84	0	-22	1.4	7.51	N
	9:05	13.07	7.32	7.85	0	-24	1.2	7.51	N
	9:10	13.07	7.31	7.83	0	-26	0	7.51	N
Well Condition Summary									
Cover: Y / N		Bolts: Y / N		Concrete Pad OK: Y / N		Gripper: Y / N			
Sample Collection Information									
Sample Time:	9:10	Appearance: Clear		Filtered Sample Turbidity:		OTHER:			

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK						
Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :
Sock Installation Date:			Sock Changed :		Y / N	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	New Rochelle			Job Number:	10567	WELL I.D. :	MW-3		
Personnel:	DA			Date:	12/19/2019				
				PID:	0				
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
		18.00	N/E	7.01	10.99		15		Bladder
Turbidity at collection (NTU):		0	(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	10:00	14.63	7.69	2.68	0	-23	57.1	7.01	N
	10:05	14.62.	7.5	2.7	0	-22	69.5	7.01	N
	10:10	14.51	7.45	2.7	0	-21	75.2	7.01	N
	10:15	14.25	7.42	2.7	0	-25	95.8	7.01	N
	10:20	14.2	7.34	2.7	0	-30	63.2	7.01	N
	10:25	14.16	7.29	2.7	0	-31	55.8	7.01	N
	10:25	14.16	7.22	2.7	0	-33	42.3	7.01	N
	10:30	14.02	7.22	2.7	0	-33	35.8	7.01	N
	10:35	14.03	7.22	2.7	0	-33	25.2	7.01	N
	10:40	14.05	7.22	2.7	0	-33	22.5	7.01	N
	10:45	14.04	7.22	2.71	0	-33	12.5	7.01	N
	10:50	14.04	7.22	2.72	0	-33	10.9	7.01	N
	10:55	14.04	7.22	7.71	0	-33	3.2	7.01	N
	11:00	14.02	7.22	7.71	0	-33	1.9	7.01	N
Well Condition Summary									
Cover: Y / N		Bolts: Y / N		Concrete Pad OK: Y / N		Gripper: Y / N			
Sample Collection Information									
Sample Time:	11:00	Appearance: Clear		Filtered Sample Turbidity:			OTHER:		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK						
Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :
Sock Installation Date:			Sock Changed :		Y / N	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	New Rochelle			Job Number:	10567	WELL I.D. :	MW-5D		
Personnel:	DA			Date:	12/20/2019				
				PID:	0.3				
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
		27.21	N/E	7.4	19.81		25		Bladder
Turbidity at collection (NTU):		0	(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	9:00	12.68	6.5	2.62	0	49	82	7.4	N
	9:05	12.83	6.44	2.62	0	45	76.2	7.4	N
	9:10	12.8	6.45	2.62	1	45	52.1	7.4	N
	9:15	12.75	6.44	2.62	0	47	34.2	7.4	N
	9:20	12.75	6.44	2.62	0	49	25.3	7.4	N
	9:25	12.79	6.44	2.62	0	50	14.7	7.4	N
	9:30	12.8	6.44	2.62	0	52	12.1	7.4	N
	9:35	12.81	6.44	2.62	0	56	7.9	7.4	N
	9:40	12.8	6.44	2.62	0	55	5.4	7.4	N
	9:45	12.81	6.44	2.62	0	55	1	7.4	N
	9:50	12.81	6.44	2.62	0	55	0.5	7.4	N
Well Condition Summary									
Cover: Y / N		Bolts: Y / N		Concrete Pad OK: Y / N		Gripper: Y / N			
Sample Collection Information									
Sample Time:	9:50	Appearance: Clear		Filtered Sample Turbidity:			OTHER:		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK						
Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :
Sock Installation Date:			Sock Changed :		Y / N	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	New Rochelle			Job Number:	10567	WELL I.D. :	MW-5S		
Personnel:	DA			Date:	12/20/2019				
				PID:	0				
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
		16.51	N/E	7.1	9.41		14		Bladder
Turbidity at collection (NTU):		0	(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	7:30	11.76	9.3	2.77	0	48	156	7.1	N
	7:45	12.27	9.47	2.74	0	30	115	7.1	N
	7:50	12.36	9.5	2.7	0	21	104	7.1	N
	7:55	12.45	9.51	2.7	0	20	95.2	7.1	N
	8:00	12.71	9.51	2.7	0	19	53.1	7.1	N
	8:05	12.79	9.5	2.71	0	17	20.2	7.1	N
	8:10	12.8	9.5	2.71	0	10	10.5	7.1	N
	8:15	12.81	9.5	2.72	0	10	7.5	7.1	N
	8:20	12.82	9.5	2.73	0	10	3.1	7.1	N
	8:25	18.83	9.5	2.71	0	10	2.1	7.1	N
	8:30	18.83	9.5	2.71	0	10	1.2	7.1	N
Well Condition Summary									
Cover: Y / N		Bolts: Y / N		Concrete Pad OK: Y / N		Gripper: Y / N			
Sample Collection Information									
Sample Time:	8:30	Appearance: Clear		Filtered Sample Turbidity:			OTHER:		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK						
Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :
Sock Installation Date:			Sock Changed :		Y / N	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	New Rochelle			Job Number:	10567	WELL I.D. :	MW-7D		
Personnel:	DA			Date:	12/20/2019				
				PID:	0				
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
		24.92	N/E	11.21	13.71		20		Bladder
Turbidity at collection (NTU):		0	(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	12:05	14.69	7.81	1.76	0	93	19.2	11.21	N
	12:10	14.66	7.75	1.77	0	96	17.1	11.21	N
	12:15	14.62	7.74	1.76	0	97	17.4	11.21	N
	12:20	14.65	7.5	1.69	0	120	12.4	11.21	N
	12:25	14.68	7.21	1.69	0	125	7.4	11.21	N
	12:30	14.69	7.15	1.69	0	138	5.2	11.21	N
	12:35	14.71	7.14	1.69	0	140	4.1	11.21	N
	12:40	14.72	7.13	1.69	0	140	3.6	11.21	N
	12:45	14.73	7.11	1.69	0	140	0	11.21	N
Well Condition Summary									
Cover: Y / N		Bolts: Y / N		Concrete Pad OK: Y / N		Gripper: Y / N			
Sample Collection Information									
Sample Time:	12:45	Appearance: Clear		Filtered Sample Turbidity:			OTHER:		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK						
Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :
Sock Installation Date:			Sock Changed :		Y / N	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	New Rochelle			Job Number:	10567	WELL I.D. :	MW-8D		
Personnel:	DA			Date:	12/20/2019				
				PID:	0				
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
		39.40	N/E	10.41	28.99		25		Bladder
Turbidity at collection (NTU):		0	(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	10:15	13.25	6.59	1.1	0	100	115	7.42	N
	10:20	12.78	6.72	1.56	0	92	112	7.42	N
	10:25	12.69	6.75	1.52	0	85	90.2	7.42	N
	10:30	12.6	6.82	1.53	0	79	75.3	7.42	N
	10:35	12.55	6.83	1.52	0	70	46.2	7.42	N
	10:40	12.5	6.85	1.52	0	65	32.7	7.42	N
	10:45	12.36	6.85	1.52	0	63	20.2	7.42	N
	10:50	12.36	6.85	1.52	0	50	9.8	7.42	N
	10:55	12.36	6.85	1.53	0	52	3.1	7.42	N
	11:00	12.36	6.85	1.52	0	45	1.2	7.42	N
	11:05	12.36	6.85	1.52	0	45	0	7.42	N
Well Condition Summary									
Cover: Y / N		Bolts: Y / N		Concrete Pad OK: Y / N		Gripper: Y / N			
Sample Collection Information									
Sample Time:	11:05	Appearance: Clear		Filtered Sample Turbidity:			OTHER:		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK						
Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :
Sock Installation Date:			Sock Changed :		Y / N	
Sock Depth (Depth to sock mid point):						

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	New Rochelle			Job Number:	10567	WELL I.D. : MW-9D			
Personnel:	DA			Date:	12/20/2019				
				PID:	0				
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
		27.55	N/E	15.42	12.13		25		Peristaltic
Turbidity at collection (NTU):		0	(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	11:30	9.06	6.56	1.1	0	92	214	15.42	N
	11:35	0	6.65	0.578	0	90	105	15.42	N
	11:40	13.25	6.45	0.578	0	82	95	15.42	N
	11:45	13.23	6.4	0.578	0	75	84	15.42	N
	11:50	13.21	6.35	0.578	0	74	41	15.42	N
	11:55	13.2	6.2	0.578	0	65	22.6	15.42	N
	12:00	13.19	6.05	0.578	0	63	12.4	15.42	N
	12:05	13.2	6.05	0.578	0	52	7.5	15.42	N
	12:10	13.2	6.05	0.578	0	55	2.1	15.42	N
	12:15	13.2	6.05	0.578	0	52	0	15.42	N

Well Condition Summary

Cover: Y / N	Bolts: Y / N		Concrete Pad OK: Y / N	Gripper: Y / N	

Sample Collection Information

Sample Time:	12:15	Appearance: Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	New Rochelle			Job Number:	10567	WELL I.D. : MW-10			
Personnel:	DA			Date:	12/20/2019				
				PID:	0.1				
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
		25.51	N/E	23.21	2.3		24		Peristaltic
Turbidity at collection (NTU):		0	(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	12:45	12.51	6.56	1.512	0	91	54.2	23.21	N
	12:50	12.49	6.72	1.512	0	82	52.1	23.21	N
	12:55	12.3	6.75	1.512	0	73	50.6	23.21	N
	13:00	12.25	6.73	1.514	0	71	26.2	23.21	N
	13:05	12.24	6.73	1.514	0	65	24.1	23.21	N
	13:10	12.22	6.73	1.514	0	62	22.3	23.21	N
	13:15	12.2	6.73	1.512	0	55	18.4	23.21	N
	13:20	12.21	6.73	1.513	0	52	15.2	23.21	N
	13:25	12.22	6.73	1.513	0	53	12.3	23.21	N
	13:30	12.1	6.73	1.513	0	52	10.1	23.21	N
Well Condition Summary									
Cover: Y / N		Bolts: Y / N		Concrete Pad OK: Y / N		Gripper: Y / N			
Sample Collection Information									
Sample Time:	13:30	Appearance: Clear		Filtered Sample Turbidity:			OTHER:		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK							
Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

APPENDIX H

Laboratory Analytical Reports

ANALYTICAL REPORT

Lab Number:	L1941307
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	Not Specified
Project Number:	10567
Report Date:	09/17/19

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

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

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

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1941307-01	WC-A2I COMP	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 10:05	09/10/19
L1941307-02	WC-A2I GRAB	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 10:00	09/10/19
L1941307-03	WC-A2II GRAB	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 10:10	09/10/19
L1941307-04	WC-A2II COMP	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 10:15	09/10/19
L1941307-05	WC-B1I GRAB	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 12:00	09/10/19
L1941307-06	WC-B1I COMP	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 12:05	09/10/19
L1941307-07	WC-B1II GRAB	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 12:10	09/10/19
L1941307-08	WC-B1II COMP	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 12:15	09/10/19
L1941307-09	WC-A1I GRAB	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 11:25	09/10/19
L1941307-10	WC-A1I COMP	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 11:30	09/10/19
L1941307-11	WC-A1II GRAB	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 11:40	09/10/19
L1941307-12	WC-A1II COMP	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 11:45	09/10/19

Project Name:	Not Specified	**Lab Number:**	L1941307
Project Number:	10567	**Report Date:**	09/17/19

Case Narrative

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

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

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

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

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

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

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

Case Narrative (continued)

Report Submission

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

Total Metals

L1941307-01, -04, -06, -08, -10 and -12: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 09/17/19

ORGANICS

VOLATILES

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-02
Client ID: WC-A2I GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:00
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 11:34
Analyst: JC
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	2.5	J	ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	0.29	J	ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	0.72		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.96	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	0.58	J	ug/kg	1.5	0.14	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-02 Date Collected: 09/10/19 10:00

Client ID: WC-A2I GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.0		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	0.68	J	ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	9.6		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	10	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	1
Acetone	92		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	2.4	J	ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.67	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-02
Client ID: WC-A2I GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:00
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.34	1
1,4-Dioxane	ND		ug/kg	82	36.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	100		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-03
Client ID: WC-A2II GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 11:59
Analyst: JC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	2.0	J	ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.89	0.13	1
Chloroform	0.24	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.89	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.89	0.11	1
Dibromochloromethane	ND		ug/kg	0.89	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.89	0.24	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.89	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.89	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.5	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.15	1
Benzene	ND		ug/kg	0.44	0.15	1
Toluene	ND		ug/kg	0.89	0.48	1
Ethylbenzene	ND		ug/kg	0.89	0.12	1
Chloromethane	ND		ug/kg	3.5	0.83	1
Bromomethane	ND		ug/kg	1.8	0.51	1
Vinyl chloride	ND		ug/kg	0.89	0.30	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.89	0.21	1
trans-1,2-Dichloroethene	0.45	J	ug/kg	1.3	0.12	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-03 Date Collected: 09/10/19 10:10

Client ID: WC-A2II GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.24	J	ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	0.48	J	ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.89	0.26	1
Xylenes, Total	ND		ug/kg	0.89	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.89	0.16	1
1,2-Dichloroethene, Total	0.45	J	ug/kg	0.89	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.89	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.9	0.81	1
Acetone	110		ug/kg	8.9	4.3	1
Carbon disulfide	ND		ug/kg	8.9	4.0	1
2-Butanone	2.6	J	ug/kg	8.9	2.0	1
Vinyl acetate	ND		ug/kg	8.9	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.9	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.9	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.89	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.89	0.15	1
sec-Butylbenzene	ND		ug/kg	0.89	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.88	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.89	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.89	0.10	1
Naphthalene	ND		ug/kg	3.5	0.58	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-03 Date Collected: 09/10/19 10:10

Client ID: WC-A2II GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.89	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	71	31.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.2	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	102		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-05
Client ID: WC-B1I GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:00
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 12:50
Analyst: JC
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	2.5	J	ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.13	1
Chloroform	0.29	J	ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.93	0.50	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	0.45	J	ug/kg	1.4	0.13	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-05 Date Collected: 09/10/19 12:00

Client ID: WC-B1I GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.19	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	0.45	J	ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	98		ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.0	1
Vinyl acetate	ND		ug/kg	9.3	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.93	0.15	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.18	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-05
Client ID: WC-B1I GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:00
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.93	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
1,4-Dioxane	ND		ug/kg	74	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.18	1
Ethyl ether	ND		ug/kg	1.8	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	24.4	J	ug/kg			1
Unknown	24.4	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	102		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-07
Client ID: WC-B1II GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 13:15
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	2.3	J	ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.88	0.13	1
Chloroform	0.88	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.88	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.88	0.11	1
Dibromochloromethane	ND		ug/kg	0.88	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.88	0.24	1
Tetrachloroethene	0.23	J	ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.61	1
1,2-Dichloroethane	ND		ug/kg	0.88	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.5	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.15	1
Benzene	ND		ug/kg	0.44	0.15	1
Toluene	ND		ug/kg	0.88	0.48	1
Ethylbenzene	ND		ug/kg	0.88	0.12	1
Chloromethane	ND		ug/kg	3.5	0.82	1
Bromomethane	ND		ug/kg	1.8	0.51	1
Vinyl chloride	ND		ug/kg	0.88	0.29	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.88	0.21	1
trans-1,2-Dichloroethene	0.51	J	ug/kg	1.3	0.12	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-07 Date Collected: 09/10/19 12:10

Client ID: WC-B1II GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.82		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	0.64	J	ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.49	1
o-Xylene	ND		ug/kg	0.88	0.26	1
Xylenes, Total	ND		ug/kg	0.88	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.88	0.15	1
1,2-Dichloroethene, Total	0.51	J	ug/kg	0.88	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.88	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.8	0.80	1
Acetone	260		ug/kg	8.8	4.2	1
Carbon disulfide	ND		ug/kg	8.8	4.0	1
2-Butanone	4.0	J	ug/kg	8.8	2.0	1
Vinyl acetate	ND		ug/kg	8.8	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.8	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.8	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.88	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.88	0.15	1
sec-Butylbenzene	ND		ug/kg	0.88	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.88	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.88	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.88	0.10	1
Naphthalene	ND		ug/kg	3.5	0.57	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-07 Date Collected: 09/10/19 12:10

Client ID: WC-B1II GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.88	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.29	1
1,4-Dioxane	ND		ug/kg	70	31.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.2	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-09
Client ID: WC-A1I GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:25
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 13:41
Analyst: JC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	2.4	J	ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.89	0.13	1
Chloroform	0.24	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.89	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.89	0.11	1
Dibromochloromethane	ND		ug/kg	0.89	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.89	0.24	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.89	0.23	1
1,1,1-Trichloroethane	0.19	J	ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.89	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.5	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.15	1
Benzene	ND		ug/kg	0.44	0.15	1
Toluene	ND		ug/kg	0.89	0.48	1
Ethylbenzene	ND		ug/kg	0.89	0.12	1
Chloromethane	ND		ug/kg	3.5	0.82	1
Bromomethane	ND		ug/kg	1.8	0.51	1
Vinyl chloride	ND		ug/kg	0.89	0.30	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.89	0.21	1
trans-1,2-Dichloroethene	0.52	J	ug/kg	1.3	0.12	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-09 Date Collected: 09/10/19 11:25

Client ID: WC-A1I GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	4.8		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.89	0.26	1
Xylenes, Total	ND		ug/kg	0.89	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.89	0.16	1
1,2-Dichloroethene, Total	0.52	J	ug/kg	0.89	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.89	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.9	0.81	1
Acetone	ND		ug/kg	8.9	4.3	1
Carbon disulfide	ND		ug/kg	8.9	4.0	1
2-Butanone	ND		ug/kg	8.9	2.0	1
Vinyl acetate	ND		ug/kg	8.9	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.9	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.9	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.89	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.89	0.15	1
sec-Butylbenzene	ND		ug/kg	0.89	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.88	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.89	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.89	0.10	1
Naphthalene	ND		ug/kg	3.5	0.58	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-09 Date Collected: 09/10/19 11:25

Client ID: WC-A1I GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.89	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	71	31.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.2	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	107		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-11
Client ID: WC-A1II GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 14:06
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	2.2	J	ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.87	0.13	1
Chloroform	0.24	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.87	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.87	0.11	1
Dibromochloromethane	ND		ug/kg	0.87	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.87	0.23	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.61	1
1,2-Dichloroethane	ND		ug/kg	0.87	0.22	1
1,1,1-Trichloroethane	0.26	J	ug/kg	0.44	0.14	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.87	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.5	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.14	1
Benzene	ND		ug/kg	0.44	0.14	1
Toluene	ND		ug/kg	0.87	0.47	1
Ethylbenzene	ND		ug/kg	0.87	0.12	1
Chloromethane	ND		ug/kg	3.5	0.81	1
Bromomethane	ND		ug/kg	1.7	0.51	1
Vinyl chloride	ND		ug/kg	0.87	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.87	0.21	1
trans-1,2-Dichloroethene	0.46	J	ug/kg	1.3	0.12	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-11 Date Collected: 09/10/19 11:40

Client ID: WC-A1II GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	3.6		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.18	1
p/m-Xylene	ND		ug/kg	1.7	0.49	1
o-Xylene	ND		ug/kg	0.87	0.25	1
Xylenes, Total	ND		ug/kg	0.87	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.87	0.15	1
1,2-Dichloroethene, Total	0.46	J	ug/kg	0.87	0.12	1
Dibromomethane	ND		ug/kg	1.7	0.21	1
Styrene	ND		ug/kg	0.87	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.7	0.80	1
Acetone	110		ug/kg	8.7	4.2	1
Carbon disulfide	ND		ug/kg	8.7	4.0	1
2-Butanone	ND		ug/kg	8.7	1.9	1
Vinyl acetate	ND		ug/kg	8.7	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.7	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.7	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.87	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.7	0.13	1
n-Butylbenzene	ND		ug/kg	0.87	0.14	1
sec-Butylbenzene	ND		ug/kg	0.87	0.13	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.17	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.87	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.87	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.87	0.10	1
Naphthalene	ND		ug/kg	3.5	0.57	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-11 Date Collected: 09/10/19 11:40

Client ID: WC-A1II GRAB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.87	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
1,4-Dioxane	ND		ug/kg	70	31.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.17	1
Ethyl ether	ND		ug/kg	1.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.2	1
Tentatively Identified Compounds						
Total TIC Compounds	16.8	J	ug/kg			1
Unknown	16.8	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	104		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 09:27
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,05,07,09,11 Batch: WG1284957-5					
Methylene chloride	2.5	J	ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.32	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 09:27
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,05,07,09,11 Batch: WG1284957-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 09:27
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,05,07,09,11 Batch: WG1284957-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds			
Total TIC Compounds	5.70	J	ug/kg
Unknown	5.70	J	ug/kg

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 09:27
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,05,07,09,11 Batch: WG1284957-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,05,07,09,11 Batch: WG1284957-3 WG1284957-4								
Methylene chloride	104		104		70-130	0		30
1,1-Dichloroethane	113		112		70-130	1		30
Chloroform	107		108		70-130	1		30
Carbon tetrachloride	118		118		70-130	0		30
1,2-Dichloropropane	109		110		70-130	1		30
Dibromochloromethane	101		102		70-130	1		30
1,1,2-Trichloroethane	99		98		70-130	1		30
Tetrachloroethene	107		106		70-130	1		30
Chlorobenzene	101		100		70-130	1		30
Trichlorofluoromethane	105		104		70-139	1		30
1,2-Dichloroethane	111		112		70-130	1		30
1,1,1-Trichloroethane	115		114		70-130	1		30
Bromodichloromethane	106		108		70-130	2		30
trans-1,3-Dichloropropene	105		106		70-130	1		30
cis-1,3-Dichloropropene	108		110		70-130	2		30
1,1-Dichloropropene	112		112		70-130	0		30
Bromoform	100		96		70-130	4		30
1,1,2,2-Tetrachloroethane	91		90		70-130	1		30
Benzene	103		103		70-130	0		30
Toluene	104		102		70-130	2		30
Ethylbenzene	106		107		70-130	1		30
Chloromethane	85		84		52-130	1		30
Bromomethane	78		76		57-147	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,05,07,09,11 Batch: WG1284957-3 WG1284957-4								
Vinyl chloride	81		80		67-130	1		30
Chloroethane	84		82		50-151	2		30
1,1-Dichloroethene	99		100		65-135	1		30
trans-1,2-Dichloroethene	106		106		70-130	0		30
Trichloroethene	105		106		70-130	1		30
1,2-Dichlorobenzene	96		97		70-130	1		30
1,3-Dichlorobenzene	100		101		70-130	1		30
1,4-Dichlorobenzene	98		99		70-130	1		30
Methyl tert butyl ether	106		104		66-130	2		30
p/m-Xylene	108		107		70-130	1		30
o-Xylene	106		107		70-130	1		30
cis-1,2-Dichloroethene	104		102		70-130	2		30
Dibromomethane	103		102		70-130	1		30
Styrene	110		111		70-130	1		30
Dichlorodifluoromethane	44		41		30-146	7		30
Acetone	125		109		54-140	14		30
Carbon disulfide	91		88		59-130	3		30
2-Butanone	114		108		70-130	5		30
Vinyl acetate	117		116		70-130	1		30
4-Methyl-2-pentanone	115		112		70-130	3		30
1,2,3-Trichloropropane	99		93		68-130	6		30
2-Hexanone	111		106		70-130	5		30
Bromochloromethane	99		100		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,05,07,09,11 Batch: WG1284957-3 WG1284957-4								
2,2-Dichloropropane	117		116		70-130	1		30
1,2-Dibromoethane	98		98		70-130	0		30
1,3-Dichloropropane	101		99		69-130	2		30
1,1,1,2-Tetrachloroethane	103		102		70-130	1		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	108		109		70-130	1		30
sec-Butylbenzene	105		105		70-130	0		30
tert-Butylbenzene	105		105		70-130	0		30
o-Chlorotoluene	104		103		70-130	1		30
p-Chlorotoluene	104		104		70-130	0		30
1,2-Dibromo-3-chloropropane	106		95		68-130	11		30
Hexachlorobutadiene	106		107		67-130	1		30
Isopropylbenzene	105		103		70-130	2		30
p-Isopropyltoluene	109		108		70-130	1		30
Naphthalene	100		99		70-130	1		30
Acrylonitrile	**131**	Q	128		70-130	2		30
n-Propylbenzene	102		102		70-130	0		30
1,2,3-Trichlorobenzene	101		101		70-130	0		30
1,2,4-Trichlorobenzene	103		102		70-130	1		30
1,3,5-Trimethylbenzene	105		105		70-130	0		30
1,2,4-Trimethylbenzene	107		106		70-130	1		30
1,4-Dioxane	98		97		65-136	1		30
p-Diethylbenzene	112		113		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,05,07,09,11 Batch: WG1284957-3 WG1284957-4								
p-Ethyltoluene	109		109		70-130	0		30
1,2,4,5-Tetramethylbenzene	111		112		70-130	1		30
Ethyl ether	100		97		67-130	3		30
trans-1,4-Dichloro-2-butene	115		112		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	94		96		70-130
Dibromofluoromethane	95		97		70-130

SEMIVOLATILES

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-01
Client ID: WC-A2I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 06:28
Analyst: SZ
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	150		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-01 Date Collected: 09/10/19 10:05

Client ID: WC-A2I COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	83	J	ug/kg	110	20.	1
Benzo(a)pyrene	61	J	ug/kg	140	43.	1
Benzo(b)fluoranthene	84	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	95	J	ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	39	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	130		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	40	J	ug/kg	140	25.	1
Pyrene	150		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-01
Client ID: WC-A2I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	1820	J	ug/kg			1
Unknown	346	J	ug/kg			1
Unknown	599	J	ug/kg			1
Unknown Amine	245	J	ug/kg			1
Unknown	628	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	64		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-04
Client ID: WC-A2II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/16/19 22:50
Analyst: SZ
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-04 Date Collected: 09/10/19 10:15

Client ID: WC-A2II COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	78.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-04 Date Collected: 09/10/19 10:15

Client ID: WC-A2II COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1
Tentatively Identified Compounds						
Total TIC Compounds	657	J	ug/kg			1
Unknown	301	J	ug/kg			1
Unknown	172	J	ug/kg			1
Unknown	184	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	107		25-120
Phenol-d6	118		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	111		10-136
4-Terphenyl-d14	72		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-06
Client ID: WC-B1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 04:11
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	46	J	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-06 Date Collected: 09/10/19 12:05

Client ID: WC-B1I COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	24	J	ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	43	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	37	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-06 Date Collected: 09/10/19 12:05

Client ID: WC-B1I COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	794	J	ug/kg			1
Unknown Amide	455	J	ug/kg			1
Unknown	164	J	ug/kg			1
Unknown	175	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	99		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	108		10-136
4-Terphenyl-d14	69		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-08
Client ID: WC-B1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/16/19 23:13
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	ND		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-08 Date Collected: 09/10/19 12:15

Client ID: WC-B1II COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-08 Date Collected: 09/10/19 12:15

Client ID: WC-B1II COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	187	J	ug/kg			1
Unknown Amide	187	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	54		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-10
Client ID: WC-A1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 04:34
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	48	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-10 Date Collected: 09/10/19 11:30

Client ID: WC-A1I COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	29	J	ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	31	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	25	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	23	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	25.	1
Pyrene	41	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-10 Date Collected: 09/10/19 11:30

Client ID: WC-A1I COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	1090	J	ug/kg			1
Unknown	392	J	ug/kg			1
Unknown	331	J	ug/kg			1
Unknown	363	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	62		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-12
Client ID: WC-A1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 03:25
Analyst: SZ
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	34	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-12 Date Collected: 09/10/19 11:45

Client ID: WC-A1II COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	150	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	25.	1
Pyrene	28	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	69.	1
4-Nitrophenol	ND		ug/kg	260	74.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-12
Client ID: WC-A1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	597	J	ug/kg			1
Unknown	309	J	ug/kg			1
Unknown	288	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	56		18-120

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/16/19 21:42
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04,06,08,10,12 Batch: WG1283515-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.
Hexachlorobenzene	ND		ug/kg	100	19.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
1,2-Dichlorobenzene	ND		ug/kg	170	30.
1,3-Dichlorobenzene	ND		ug/kg	170	28.
1,4-Dichlorobenzene	ND		ug/kg	170	29.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	480	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	57.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	31.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/16/19 21:42
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04,06,08,10,12 Batch: WG1283515-1					
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/16/19 21:42
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04,06,08,10,12 Batch: WG1283515-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	16.
1,4-Dioxane	ND		ug/kg	25	7.6
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	98		25-120
Phenol-d6	104		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	119		10-136
4-Terphenyl-d14	89		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1283515-2 WG1283515-3								
Acenaphthene	74		68		31-137	8		50
1,2,4-Trichlorobenzene	80		80		38-107	0		50
Hexachlorobenzene	85		78		40-140	9		50
Bis(2-chloroethyl)ether	72		72		40-140	0		50
2-Chloronaphthalene	84		81		40-140	4		50
1,2-Dichlorobenzene	75		80		40-140	6		50
1,3-Dichlorobenzene	73		78		40-140	7		50
1,4-Dichlorobenzene	73		79		28-104	8		50
3,3'-Dichlorobenzidine	66		63		40-140	5		50
2,4-Dinitrotoluene	90		83		40-132	8		50
2,6-Dinitrotoluene	99		95		40-140	4		50
Fluoranthene	80		72		40-140	11		50
4-Chlorophenyl phenyl ether	77		70		40-140	10		50
4-Bromophenyl phenyl ether	84		76		40-140	10		50
Bis(2-chloroisopropyl)ether	69		69		40-140	0		50
Bis(2-chloroethoxy)methane	78		77		40-117	1		50
Hexachlorobutadiene	81		80		40-140	1		50
Hexachlorocyclopentadiene	58		51		40-140	13		50
Hexachloroethane	75		81		40-140	8		50
Isophorone	82		81		40-140	1		50
Naphthalene	76		75		40-140	1		50
Nitrobenzene	80		81		40-140	1		50
NDPA/DPA	81		75		36-157	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1283515-2 WG1283515-3								
n-Nitrosodi-n-propylamine	80		80		32-121	0		50
Bis(2-ethylhexyl)phthalate	78		71		40-140	9		50
Butyl benzyl phthalate	89		81		40-140	9		50
Di-n-butylphthalate	82		74		40-140	10		50
Di-n-octylphthalate	78		71		40-140	9		50
Diethyl phthalate	84		77		40-140	9		50
Dimethyl phthalate	94		86		40-140	9		50
Benzo(a)anthracene	73		67		40-140	9		50
Benzo(a)pyrene	74		68		40-140	8		50
Benzo(b)fluoranthene	76		72		40-140	5		50
Benzo(k)fluoranthene	79		70		40-140	12		50
Chrysene	73		67		40-140	9		50
Acenaphthylene	86		79		40-140	8		50
Anthracene	77		70		40-140	10		50
Benzo(ghi)perylene	76		69		40-140	10		50
Fluorene	79		74		40-140	7		50
Phenanthrene	73		66		40-140	10		50
Dibenzo(a,h)anthracene	78		70		40-140	11		50
Indeno(1,2,3-cd)pyrene	79		70		40-140	12		50
Pyrene	78		71		35-142	9		50
Biphenyl	83		79		37-127	5		50
4-Chloroaniline	78		67		40-140	15		50
2-Nitroaniline	96		88		47-134	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1283515-2 WG1283515-3								
3-Nitroaniline	68		66		26-129	3		50
4-Nitroaniline	77		72		41-125	7		50
Dibenzofuran	75		71		40-140	5		50
2-Methylnaphthalene	82		79		40-140	4		50
1,2,4,5-Tetrachlorobenzene	84		79		40-117	6		50
Acetophenone	81		81		14-144	0		50
2,4,6-Trichlorophenol	90		83		30-130	8		50
p-Chloro-m-cresol	90		83		26-103	8		50
2-Chlorophenol	82		80		25-102	2		50
2,4-Dichlorophenol	91		86		30-130	6		50
2,4-Dimethylphenol	91		87		30-130	4		50
2-Nitrophenol	90		87		30-130	3		50
4-Nitrophenol	94		85		11-114	10		50
2,4-Dinitrophenol	72		55		4-130	27		50
4,6-Dinitro-o-cresol	92		80		10-130	14		50
Pentachlorophenol	70		62		17-109	12		50
Phenol	79		77		26-90	3		50
2-Methylphenol	83		82		30-130.	1		50
3-Methylphenol/4-Methylphenol	91		88		30-130	3		50
2,4,5-Trichlorophenol	94		87		30-130	8		50
Benzoic Acid	40		25		10-110	46		50
Benzyl Alcohol	83		80		40-140	4		50
Carbazole	78		70		54-128	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1283515-2 WG1283515-3								
1,4-Dioxane	51		59		40-140	15		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		77		25-120
Phenol-d6	78		78		10-120
Nitrobenzene-d5	63		65		23-120
2-Fluorobiphenyl	65		63		30-120
2,4,6-Tribromophenol	89		84		10-136
4-Terphenyl-d14	62		57		18-120

PCBS

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-01
Client ID: WC-A2I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 11:20
Analyst: AWS
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.4	3.06	1	A
Aroclor 1221	ND		ug/kg	34.4	3.45	1	A
Aroclor 1232	ND		ug/kg	34.4	7.30	1	A
Aroclor 1242	ND		ug/kg	34.4	4.64	1	A
Aroclor 1248	ND		ug/kg	34.4	5.16	1	A
Aroclor 1254	ND		ug/kg	34.4	3.76	1	A
Aroclor 1260	ND		ug/kg	34.4	6.36	1	A
Aroclor 1262	ND		ug/kg	34.4	4.37	1	A
Aroclor 1268	ND		ug/kg	34.4	3.56	1	A
PCBs, Total	ND		ug/kg	34.4	3.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-04
Client ID: WC-A2II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 11:32
Analyst: AWS
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.4	3.32	1	A
Aroclor 1221	ND		ug/kg	37.4	3.75	1	A
Aroclor 1232	ND		ug/kg	37.4	7.94	1	A
Aroclor 1242	ND		ug/kg	37.4	5.05	1	A
Aroclor 1248	ND		ug/kg	37.4	5.62	1	A
Aroclor 1254	ND		ug/kg	37.4	4.10	1	A
Aroclor 1260	ND		ug/kg	37.4	6.92	1	A
Aroclor 1262	ND		ug/kg	37.4	4.76	1	A
Aroclor 1268	ND		ug/kg	37.4	3.88	1	A
PCBs, Total	ND		ug/kg	37.4	3.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-06
Client ID: WC-B1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 11:43
Analyst: AWS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.1	3.12	1	A
Aroclor 1221	ND		ug/kg	35.1	3.52	1	A
Aroclor 1232	ND		ug/kg	35.1	7.44	1	A
Aroclor 1242	ND		ug/kg	35.1	4.73	1	A
Aroclor 1248	ND		ug/kg	35.1	5.26	1	A
Aroclor 1254	ND		ug/kg	35.1	3.84	1	A
Aroclor 1260	ND		ug/kg	35.1	6.48	1	A
Aroclor 1262	ND		ug/kg	35.1	4.46	1	A
Aroclor 1268	ND		ug/kg	35.1	3.64	1	A
PCBs, Total	ND		ug/kg	35.1	3.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-08
Client ID: WC-B1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 11:55
Analyst: AWS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	3.16	1	A
Aroclor 1221	ND		ug/kg	35.5	3.56	1	A
Aroclor 1232	ND		ug/kg	35.5	7.54	1	A
Aroclor 1242	ND		ug/kg	35.5	4.79	1	A
Aroclor 1248	ND		ug/kg	35.5	5.33	1	A
Aroclor 1254	ND		ug/kg	35.5	3.89	1	A
Aroclor 1260	ND		ug/kg	35.5	6.57	1	A
Aroclor 1262	ND		ug/kg	35.5	4.51	1	A
Aroclor 1268	ND		ug/kg	35.5	3.68	1	A
PCBs, Total	ND		ug/kg	35.5	3.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-10
Client ID: WC-A1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 12:07
Analyst: AWS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.7	3.08	1	A
Aroclor 1221	ND		ug/kg	34.7	3.47	1	A
Aroclor 1232	ND		ug/kg	34.7	7.35	1	A
Aroclor 1242	ND		ug/kg	34.7	4.67	1	A
Aroclor 1248	ND		ug/kg	34.7	5.20	1	A
Aroclor 1254	ND		ug/kg	34.7	3.79	1	A
Aroclor 1260	ND		ug/kg	34.7	6.41	1	A
Aroclor 1262	ND		ug/kg	34.7	4.40	1	A
Aroclor 1268	ND		ug/kg	34.7	3.59	1	A
PCBs, Total	ND		ug/kg	34.7	3.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-12
Client ID: WC-A1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 12:19
Analyst: AWS
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.3	3.14	1	A
Aroclor 1221	ND		ug/kg	35.3	3.54	1	A
Aroclor 1232	ND		ug/kg	35.3	7.48	1	A
Aroclor 1242	ND		ug/kg	35.3	4.76	1	A
Aroclor 1248	ND		ug/kg	35.3	5.30	1	A
Aroclor 1254	ND		ug/kg	35.3	3.86	1	A
Aroclor 1260	ND		ug/kg	35.3	6.52	1	A
Aroclor 1262	ND		ug/kg	35.3	4.48	1	A
Aroclor 1268	ND		ug/kg	35.3	3.66	1	A
PCBs, Total	ND		ug/kg	35.3	3.14	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/14/19 14:40
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,04,06,08,10,12 Batch: WG1283136-1						
Aroclor 1016	ND		ug/kg	31.5	2.80	A
Aroclor 1221	ND		ug/kg	31.5	3.16	A
Aroclor 1232	ND		ug/kg	31.5	6.68	A
Aroclor 1242	ND		ug/kg	31.5	4.25	A
Aroclor 1248	ND		ug/kg	31.5	4.72	A
Aroclor 1254	ND		ug/kg	31.5	3.45	A
Aroclor 1260	ND		ug/kg	31.5	5.82	A
Aroclor 1262	ND		ug/kg	31.5	4.00	A
Aroclor 1268	ND		ug/kg	31.5	3.26	A
PCBs, Total	ND		ug/kg	31.5	2.80	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	89		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1283136-2 WG1283136-3									
Aroclor 1016	69		72		40-140	4		50	A
Aroclor 1260	83		73		40-140	13		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		73		30-150	A
Decachlorobiphenyl	81		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		68		30-150	B
Decachlorobiphenyl	63		74		30-150	B

PESTICIDES

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-01
Client ID: WC-A2I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 19:06
Analyst: SL
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.322	1	A
Lindane	ND		ug/kg	0.685	0.306	1	A
Alpha-BHC	ND		ug/kg	0.685	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.623	1	A
Heptachlor	ND		ug/kg	0.822	0.368	1	A
Aldrin	ND		ug/kg	1.64	0.579	1	A
Heptachlor epoxide	ND		ug/kg	3.08	0.924	1	A
Endrin	ND		ug/kg	0.685	0.281	1	A
Endrin aldehyde	ND		ug/kg	2.05	0.719	1	A
Endrin ketone	ND		ug/kg	1.64	0.423	1	A
Dieldrin	ND		ug/kg	1.03	0.514	1	A
4,4'-DDE	ND		ug/kg	1.64	0.380	1	A
4,4'-DDD	ND		ug/kg	1.64	0.586	1	A
4,4'-DDT	ND		ug/kg	3.08	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.388	1	A
Endosulfan II	ND		ug/kg	1.64	0.549	1	A
Endosulfan sulfate	ND		ug/kg	0.685	0.326	1	A
Methoxychlor	ND		ug/kg	3.08	0.959	1	A
Toxaphene	ND		ug/kg	30.8	8.63	1	A
cis-Chlordane	ND		ug/kg	2.05	0.572	1	A
trans-Chlordane	ND		ug/kg	2.05	0.542	1	A
Chlordane	ND		ug/kg	13.4	5.44	1	A

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-01 Date Collected: 09/10/19 10:05

Client ID: WC-A2I COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	99		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	89		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-04
Client ID: WC-A2II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 19:17
Analyst: SL
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.346	1	A
Lindane	ND		ug/kg	0.736	0.329	1	A
Alpha-BHC	ND		ug/kg	0.736	0.209	1	A
Beta-BHC	ND		ug/kg	1.77	0.670	1	A
Heptachlor	ND		ug/kg	0.883	0.396	1	A
Aldrin	ND		ug/kg	1.77	0.622	1	A
Heptachlor epoxide	ND		ug/kg	3.31	0.994	1	A
Endrin	ND		ug/kg	0.736	0.302	1	A
Endrin aldehyde	ND		ug/kg	2.21	0.773	1	A
Endrin ketone	ND		ug/kg	1.77	0.455	1	A
Dieldrin	ND		ug/kg	1.10	0.552	1	A
4,4'-DDE	ND		ug/kg	1.77	0.408	1	A
4,4'-DDD	ND		ug/kg	1.77	0.630	1	A
4,4'-DDT	ND		ug/kg	3.31	1.42	1	A
Endosulfan I	ND		ug/kg	1.77	0.417	1	A
Endosulfan II	ND		ug/kg	1.77	0.590	1	A
Endosulfan sulfate	ND		ug/kg	0.736	0.350	1	A
Methoxychlor	ND		ug/kg	3.31	1.03	1	A
Toxaphene	ND		ug/kg	33.1	9.27	1	A
cis-Chlordane	ND		ug/kg	2.21	0.615	1	A
trans-Chlordane	ND		ug/kg	2.21	0.583	1	A
Chlordane	ND		ug/kg	14.4	5.85	1	A

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-04 Date Collected: 09/10/19 10:15

Client ID: WC-A2II COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	99		30-150	B
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	96		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-06
Client ID: WC-B1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 19:28
Analyst: SL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.328	1	A
Lindane	ND		ug/kg	0.697	0.312	1	A
Alpha-BHC	ND		ug/kg	0.697	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.634	1	A
Heptachlor	ND		ug/kg	0.836	0.375	1	A
Aldrin	ND		ug/kg	1.67	0.589	1	A
Heptachlor epoxide	ND		ug/kg	3.14	0.941	1	A
Endrin	ND		ug/kg	0.697	0.286	1	A
Endrin aldehyde	ND		ug/kg	2.09	0.732	1	A
Endrin ketone	ND		ug/kg	1.67	0.431	1	A
Dieldrin	ND		ug/kg	1.04	0.523	1	A
4,4'-DDE	ND		ug/kg	1.67	0.387	1	A
4,4'-DDD	ND		ug/kg	1.67	0.596	1	A
4,4'-DDT	ND		ug/kg	3.14	1.34	1	A
Endosulfan I	ND		ug/kg	1.67	0.395	1	A
Endosulfan II	ND		ug/kg	1.67	0.559	1	A
Endosulfan sulfate	ND		ug/kg	0.697	0.332	1	A
Methoxychlor	ND		ug/kg	3.14	0.976	1	A
Toxaphene	ND		ug/kg	31.4	8.78	1	A
cis-Chlordane	ND		ug/kg	2.09	0.582	1	A
trans-Chlordane	ND		ug/kg	2.09	0.552	1	A
Chlordane	ND		ug/kg	13.6	5.54	1	A

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-06 Date Collected: 09/10/19 12:05

Client ID: WC-B1I COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	96		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-08
Client ID: WC-B1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 19:39
Analyst: SL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.325	1	A
Lindane	ND		ug/kg	0.692	0.309	1	A
Alpha-BHC	ND		ug/kg	0.692	0.196	1	A
Beta-BHC	ND		ug/kg	1.66	0.629	1	A
Heptachlor	ND		ug/kg	0.830	0.372	1	A
Aldrin	ND		ug/kg	1.66	0.584	1	A
Heptachlor epoxide	ND		ug/kg	3.11	0.934	1	A
Endrin	ND		ug/kg	0.692	0.284	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.726	1	A
Endrin ketone	ND		ug/kg	1.66	0.427	1	A
Dieldrin	ND		ug/kg	1.04	0.519	1	A
4,4'-DDE	ND		ug/kg	1.66	0.384	1	A
4,4'-DDD	ND		ug/kg	1.66	0.592	1	A
4,4'-DDT	ND		ug/kg	3.11	1.33	1	A
Endosulfan I	ND		ug/kg	1.66	0.392	1	A
Endosulfan II	ND		ug/kg	1.66	0.555	1	A
Endosulfan sulfate	ND		ug/kg	0.692	0.329	1	A
Methoxychlor	ND		ug/kg	3.11	0.968	1	A
Toxaphene	ND		ug/kg	31.1	8.72	1	A
cis-Chlordane	ND		ug/kg	2.08	0.578	1	A
trans-Chlordane	ND		ug/kg	2.08	0.548	1	A
Chlordane	ND		ug/kg	13.5	5.50	1	A

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-08 Date Collected: 09/10/19 12:15

Client ID: WC-B1II COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		30-150	B
Decachlorobiphenyl	103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	88		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-10
Client ID: WC-A1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 19:51
Analyst: SL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.331	1	A
Lindane	ND		ug/kg	0.705	0.315	1	A
Alpha-BHC	ND		ug/kg	0.705	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.642	1	A
Heptachlor	ND		ug/kg	0.846	0.379	1	A
Aldrin	ND		ug/kg	1.69	0.596	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.952	1	A
Endrin	ND		ug/kg	0.705	0.289	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.740	1	A
Endrin ketone	ND		ug/kg	1.69	0.436	1	A
Dieldrin	ND		ug/kg	1.06	0.529	1	A
4,4'-DDE	ND		ug/kg	1.69	0.391	1	A
4,4'-DDD	ND		ug/kg	1.69	0.603	1	A
4,4'-DDT	ND		ug/kg	3.17	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.400	1	A
Endosulfan II	ND		ug/kg	1.69	0.565	1	A
Endosulfan sulfate	ND		ug/kg	0.705	0.336	1	A
Methoxychlor	ND		ug/kg	3.17	0.987	1	A
Toxaphene	ND		ug/kg	31.7	8.88	1	A
cis-Chlordane	ND		ug/kg	2.11	0.589	1	A
trans-Chlordane	ND		ug/kg	2.11	0.558	1	A
Chlordane	ND		ug/kg	13.7	5.60	1	A

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-10 Date Collected: 09/10/19 11:30

Client ID: WC-A1I COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	104		30-150	B
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	105		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-12
Client ID: WC-A1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 20:02
Analyst: SL
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.328	1	A
Lindane	ND		ug/kg	0.699	0.312	1	A
Alpha-BHC	ND		ug/kg	0.699	0.198	1	A
Beta-BHC	ND		ug/kg	1.68	0.636	1	A
Heptachlor	ND		ug/kg	0.838	0.376	1	A
Aldrin	ND		ug/kg	1.68	0.590	1	A
Heptachlor epoxide	ND		ug/kg	3.14	0.943	1	A
Endrin	ND		ug/kg	0.699	0.286	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.734	1	A
Endrin ketone	ND		ug/kg	1.68	0.432	1	A
Dieldrin	ND		ug/kg	1.05	0.524	1	A
4,4'-DDE	ND		ug/kg	1.68	0.388	1	A
4,4'-DDD	ND		ug/kg	1.68	0.598	1	A
4,4'-DDT	ND		ug/kg	3.14	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.396	1	A
Endosulfan II	ND		ug/kg	1.68	0.560	1	A
Endosulfan sulfate	ND		ug/kg	0.699	0.332	1	A
Methoxychlor	ND		ug/kg	3.14	0.978	1	A
Toxaphene	ND		ug/kg	31.4	8.80	1	A
cis-Chlordane	ND		ug/kg	2.10	0.584	1	A
trans-Chlordane	ND		ug/kg	2.10	0.553	1	A
Chlordane	ND		ug/kg	13.6	5.55	1	A

Project Name: Not Specified **Lab Number:** L1941307

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-12 Date Collected: 09/10/19 11:45

Client ID: WC-A1II COMP Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	124		30-150	B
Decachlorobiphenyl	115		30-150	B
2,4,5,6-Tetrachloro-m-xylene	118		30-150	A
Decachlorobiphenyl	113		30-150	A

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/19 15:38
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,04,06,08,10,12 Batch: WG1283099-1						
Delta-BHC	ND		ug/kg	1.54	0.301	A
Lindane	ND		ug/kg	0.641	0.286	A
Alpha-BHC	ND		ug/kg	0.641	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.583	A
Heptachlor	ND		ug/kg	0.769	0.345	A
Aldrin	ND		ug/kg	1.54	0.541	A
Heptachlor epoxide	ND		ug/kg	2.88	0.865	A
Endrin	ND		ug/kg	0.641	0.263	A
Endrin aldehyde	ND		ug/kg	1.92	0.673	A
Endrin ketone	ND		ug/kg	1.54	0.396	A
Dieldrin	ND		ug/kg	0.961	0.480	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.548	A
4,4'-DDT	ND		ug/kg	2.88	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.363	A
Endosulfan II	ND		ug/kg	1.54	0.514	A
Endosulfan sulfate	ND		ug/kg	0.641	0.305	A
Methoxychlor	ND		ug/kg	2.88	0.897	A
Toxaphene	ND		ug/kg	28.8	8.07	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.507	A
Chlordane	ND		ug/kg	12.5	5.09	A

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/19 15:38
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,04,06,08,10,12 Batch: WG1283099-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	99		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1283099-2 WG1283099-3									
Delta-BHC	116		111		30-150	4		30	A
Lindane	113		108		30-150	5		30	A
Alpha-BHC	120		115		30-150	4		30	A
Beta-BHC	108		102		30-150	6		30	A
Heptachlor	118		111		30-150	6		30	A
Aldrin	111		104		30-150	7		30	A
Heptachlor epoxide	114		109		30-150	4		30	A
Endrin	124		117		30-150	6		30	A
Endrin aldehyde	97		94		30-150	3		30	A
Endrin ketone	122		117		30-150	4		30	A
Dieldrin	124		118		30-150	5		30	A
4,4'-DDE	117		112		30-150	4		30	A
4,4'-DDD	123		118		30-150	4		30	A
4,4'-DDT	127		122		30-150	4		30	A
Endosulfan I	108		103		30-150	5		30	A
Endosulfan II	119		114		30-150	4		30	A
Endosulfan sulfate	120		114		30-150	5		30	A
Methoxychlor	111		110		30-150	1		30	A
cis-Chlordane	94		90		30-150	4		30	A
trans-Chlordane	93		93		30-150	0		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1283099-2 WG1283099-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		114		30-150	B
Decachlorobiphenyl	109		113		30-150	B
2,4,5,6-Tetrachloro-m-xylene	112		108		30-150	A
Decachlorobiphenyl	99		108		30-150	A

METALS

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-01
Client ID: WC-A2I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17300		mg/kg	8.39	2.27	2	09/15/19 18:10	09/17/19 10:57	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.20	0.319	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Arsenic, Total	0.386	J	mg/kg	0.839	0.174	2	09/15/19 18:10	09/17/19 10:57	EPA 3050B	1,6010D	LC
Barium, Total	195		mg/kg	0.839	0.146	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.420	0.028	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Cadmium, Total	0.462	J	mg/kg	0.839	0.082	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Calcium, Total	4880		mg/kg	8.39	2.94	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Chromium, Total	36.8		mg/kg	0.839	0.081	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Cobalt, Total	21.6		mg/kg	1.68	0.139	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Copper, Total	83.2		mg/kg	0.839	0.216	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Iron, Total	32200		mg/kg	4.20	0.758	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Lead, Total	8.89		mg/kg	4.20	0.225	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Magnesium, Total	8360		mg/kg	8.39	1.29	2	09/15/19 18:10	09/17/19 10:57	EPA 3050B	1,6010D	LC
Manganese, Total	585		mg/kg	0.839	0.133	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.069	0.045	1	09/14/19 09:00	09/14/19 16:14	EPA 7471B	1,7471B	AL
Nickel, Total	37.6		mg/kg	2.10	0.203	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Potassium, Total	10900		mg/kg	210	12.1	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Selenium, Total	0.352	J	mg/kg	1.68	0.216	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.839	0.238	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Sodium, Total	279		mg/kg	168	2.64	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.68	0.264	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Vanadium, Total	62.0		mg/kg	0.839	0.170	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC
Zinc, Total	118		mg/kg	4.20	0.246	2	09/15/19 18:10	09/16/19 22:42	EPA 3050B	1,6010D	MC

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-04
Client ID: WC-A2II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12800		mg/kg	9.00	2.43	2	09/15/19 18:10	09/17/19 11:01	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.50	0.342	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.900	0.187	2	09/15/19 18:10	09/17/19 11:01	EPA 3050B	1,6010D	LC
Barium, Total	162		mg/kg	0.900	0.156	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.450	0.030	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Cadmium, Total	0.270	J	mg/kg	0.900	0.088	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Calcium, Total	863		mg/kg	9.00	3.15	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Chromium, Total	49.7		mg/kg	0.900	0.086	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Cobalt, Total	13.6		mg/kg	1.80	0.149	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Copper, Total	36.7		mg/kg	0.900	0.232	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Iron, Total	22500		mg/kg	4.50	0.813	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Lead, Total	5.90		mg/kg	4.50	0.241	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Magnesium, Total	6340		mg/kg	9.00	1.38	2	09/15/19 18:10	09/17/19 11:01	EPA 3050B	1,6010D	LC
Manganese, Total	296		mg/kg	0.900	0.143	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.073	0.048	1	09/14/19 09:00	09/14/19 16:24	EPA 7471B	1,7471B	AL
Nickel, Total	62.5		mg/kg	2.25	0.218	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Potassium, Total	8300		mg/kg	225	13.0	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.80	0.232	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.900	0.255	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Sodium, Total	276		mg/kg	180	2.83	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.80	0.283	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Vanadium, Total	42.6		mg/kg	0.900	0.183	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC
Zinc, Total	59.8		mg/kg	4.50	0.264	2	09/15/19 18:10	09/16/19 22:47	EPA 3050B	1,6010D	MC

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-06
Client ID: WC-B1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9180		mg/kg	8.55	2.31	2	09/15/19 18:10	09/17/19 11:05	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.27	0.325	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Arsenic, Total	1.08		mg/kg	0.855	0.178	2	09/15/19 18:10	09/17/19 11:05	EPA 3050B	1,6010D	LC
Barium, Total	63.4		mg/kg	0.855	0.149	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.427	0.028	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Cadmium, Total	0.196	J	mg/kg	0.855	0.084	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Calcium, Total	462		mg/kg	8.55	2.99	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Chromium, Total	20.1		mg/kg	0.855	0.082	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Cobalt, Total	7.99		mg/kg	1.71	0.142	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Copper, Total	20.6		mg/kg	0.855	0.220	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Iron, Total	13800		mg/kg	4.27	0.772	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Lead, Total	4.60		mg/kg	4.27	0.229	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Magnesium, Total	2220		mg/kg	8.55	1.32	2	09/15/19 18:10	09/17/19 11:05	EPA 3050B	1,6010D	LC
Manganese, Total	374		mg/kg	0.855	0.136	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.069	0.045	1	09/14/19 09:00	09/14/19 16:27	EPA 7471B	1,7471B	AL
Nickel, Total	60.1		mg/kg	2.14	0.207	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Potassium, Total	2270		mg/kg	214	12.3	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.71	0.220	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.855	0.242	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Sodium, Total	404		mg/kg	171	2.69	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.71	0.269	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Vanadium, Total	23.3		mg/kg	0.855	0.174	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC
Zinc, Total	27.3		mg/kg	4.27	0.250	2	09/15/19 18:10	09/16/19 22:52	EPA 3050B	1,6010D	MC

Project Name: Not Specified
Lab Number: L1941307
Project Number: 10567
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-08
Client ID: WC-B1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7780		mg/kg	8.42	2.27	2	09/15/19 18:10	09/17/19 11:10	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.21	0.320	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Arsenic, Total	0.800	J	mg/kg	0.842	0.175	2	09/15/19 18:10	09/17/19 11:10	EPA 3050B	1,6010D	LC
Barium, Total	57.2		mg/kg	0.842	0.146	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Beryllium, Total	0.059	J	mg/kg	0.421	0.028	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Cadmium, Total	0.160	J	mg/kg	0.842	0.083	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Calcium, Total	479		mg/kg	8.42	2.95	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Chromium, Total	29.9		mg/kg	0.842	0.081	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Cobalt, Total	8.08		mg/kg	1.68	0.140	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Copper, Total	16.8		mg/kg	0.842	0.217	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Iron, Total	14900		mg/kg	4.21	0.761	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Lead, Total	3.52	J	mg/kg	4.21	0.226	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Magnesium, Total	1800		mg/kg	8.42	1.30	2	09/15/19 18:10	09/17/19 11:10	EPA 3050B	1,6010D	LC
Manganese, Total	507		mg/kg	0.842	0.134	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.069	0.045	1	09/14/19 09:00	09/14/19 16:30	EPA 7471B	1,7471B	AL
Nickel, Total	47.8		mg/kg	2.11	0.204	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Potassium, Total	1930		mg/kg	211	12.1	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.68	0.217	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.842	0.238	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Sodium, Total	248		mg/kg	168	2.65	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.68	0.265	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Vanadium, Total	20.9		mg/kg	0.842	0.171	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC
Zinc, Total	20.7		mg/kg	4.21	0.247	2	09/15/19 18:10	09/16/19 22:56	EPA 3050B	1,6010D	MC

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-10
Client ID: WC-A1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17500		mg/kg	8.55	2.31	2	09/15/19 18:10	09/17/19 11:14	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.27	0.325	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.855	0.178	2	09/15/19 18:10	09/17/19 11:14	EPA 3050B	1,6010D	LC
Barium, Total	159		mg/kg	0.855	0.149	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.427	0.028	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Cadmium, Total	0.282	J	mg/kg	0.855	0.084	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Calcium, Total	2090		mg/kg	8.55	2.99	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Chromium, Total	45.0		mg/kg	0.855	0.082	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Cobalt, Total	22.4		mg/kg	1.71	0.142	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Copper, Total	37.5		mg/kg	0.855	0.220	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Iron, Total	27700		mg/kg	4.27	0.772	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Lead, Total	6.52		mg/kg	4.27	0.229	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Magnesium, Total	8490		mg/kg	8.55	1.32	2	09/15/19 18:10	09/17/19 11:14	EPA 3050B	1,6010D	LC
Manganese, Total	536		mg/kg	0.855	0.136	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.069	0.045	1	09/14/19 09:00	09/14/19 16:34	EPA 7471B	1,7471B	AL
Nickel, Total	36.8		mg/kg	2.14	0.207	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Potassium, Total	9400		mg/kg	214	12.3	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.71	0.220	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.855	0.242	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Sodium, Total	169	J	mg/kg	171	2.69	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.71	0.269	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Vanadium, Total	50.7		mg/kg	0.855	0.173	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC
Zinc, Total	79.4		mg/kg	4.27	0.250	2	09/15/19 18:10	09/16/19 23:01	EPA 3050B	1,6010D	MC

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-12
Client ID: WC-A1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	16000		mg/kg	8.66	2.34	2	09/15/19 18:10	09/17/19 11:18	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.33	0.329	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.866	0.180	2	09/15/19 18:10	09/17/19 11:18	EPA 3050B	1,6010D	LC
Barium, Total	176		mg/kg	0.866	0.151	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.433	0.029	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Cadmium, Total	0.364	J	mg/kg	0.866	0.085	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Calcium, Total	1030		mg/kg	8.66	3.03	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Chromium, Total	61.1		mg/kg	0.866	0.083	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Cobalt, Total	19.6		mg/kg	1.73	0.144	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Copper, Total	53.6		mg/kg	0.866	0.223	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Iron, Total	29400		mg/kg	4.33	0.782	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Lead, Total	7.12		mg/kg	4.33	0.232	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Magnesium, Total	8430		mg/kg	8.66	1.33	2	09/15/19 18:10	09/17/19 11:18	EPA 3050B	1,6010D	LC
Manganese, Total	526		mg/kg	0.866	0.138	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.070	0.046	1	09/14/19 09:00	09/14/19 16:37	EPA 7471B	1,7471B	AL
Nickel, Total	129		mg/kg	2.16	0.210	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Potassium, Total	9360		mg/kg	216	12.5	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.73	0.223	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.866	0.245	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Sodium, Total	431		mg/kg	173	2.73	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.73	0.273	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Vanadium, Total	48.2		mg/kg	0.866	0.176	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC
Zinc, Total	70.1		mg/kg	4.33	0.254	2	09/15/19 18:10	09/16/19 23:05	EPA 3050B	1,6010D	MC

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,04,06,08,10,12 Batch: WG1284160-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/14/19 09:00	09/14/19 15:08	1,7471B	AL

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,04,06,08,10,12 Batch: WG1284383-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Barium, Total	ND		mg/kg	0.400	0.070	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Iron, Total	0.912	J	mg/kg	2.00	0.361	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Lead, Total	ND		mg/kg	2.00	0.107	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Manganese, Total	0.072	J	mg/kg	0.400	0.064	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Potassium, Total	ND		mg/kg	100	5.76	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Silver, Total	ND		mg/kg	0.400	0.113	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Sodium, Total	4.11	J	mg/kg	80.0	1.26	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/15/19 18:10	09/16/19 20:37	1,6010D	MC

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941307
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1284160-2 SRM Lot Number: D105-540								
Mercury, Total	89		-		60-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1284383-2 SRM Lot Number: D105-540					
Aluminum, Total	60	-	51-149	-	
Antimony, Total	149	-	19-249	-	
Arsenic, Total	94	-	70-130	-	
Barium, Total	81	-	75-125	-	
Beryllium, Total	87	-	75-125	-	
Cadmium, Total	96	-	75-125	-	
Calcium, Total	79	-	73-127	-	
Chromium, Total	84	-	70-130	-	
Cobalt, Total	90	-	75-125	-	
Copper, Total	86	-	75-125	-	
Iron, Total	75	-	38-162	-	
Lead, Total	86	-	71-128	-	
Magnesium, Total	78	-	63-137	-	
Manganese, Total	84	-	76-124	-	
Nickel, Total	92	-	70-131	-	
Potassium, Total	73	-	60-140	-	
Selenium, Total	89	-	63-137	-	
Silver, Total	83	-	69-131	-	
Sodium, Total	97	-	37-162	-	
Thallium, Total	93	-	68-132	-	
Vanadium, Total	85	-	65-135	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,04,06,08,10,12 Batch: WG1284383-2 SRM Lot Number: D105-540					
Zinc, Total	90	-	70-130	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,04,06,08,10,12 QC Batch ID: WG1284160-3 WG1284160-4 QC Sample: L1941076-03 Client ID: MS Sample												
Mercury, Total	ND	0.131	0.150	114		0.147	113		80-120	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,04,06,08,10,12 QC Batch ID: WG1284383-3 WG1284383-4 QC Sample: L1940021-03 Client ID: MS Sample											
Aluminum, Total	10700	210	11800	**523**	Q	11300	**294**	Q	75-125	4	20
Antimony, Total	0.595J	52.5	38.0	**72**	Q	36.5	**72**	Q	75-125	4	20
Arsenic, Total	12.7	12.6	25.8	104		27.8	124		75-125	7	20
Barium, Total	94.2	210	274	86		266	84		75-125	3	20
Beryllium, Total	0.667	5.25	5.10	84		4.89	83		75-125	4	20
Cadmium, Total	0.300J	5.36	4.90	91		4.63	89		75-125	6	20
Calcium, Total	1780	1050	2660	84		2530	**74**	Q	75-125	5	20
Chromium, Total	13.6	21	32.0	88		30.3	82		75-125	5	20
Cobalt, Total	8.48	52.5	50.9	81		48.8	79		75-125	4	20
Copper, Total	15.5	26.3	37.4	83		37.5	86		75-125	0	20
Iron, Total	32800	105	35900	**2950**	Q	39800	**6870**	Q	75-125	10	20
Lead, Total	12.9	53.6	54.0	77		54.8	81		75-125	1	20
Magnesium, Total	3270	1050	4230	91		4010	**73**	Q	75-125	5	20
Manganese, Total	222	52.5	248	**49**	Q	225	**6**	Q	75-125	10	20
Nickel, Total	20.2	52.5	64.4	84		61.3	81		75-125	5	20
Potassium, Total	741	1050	1640	86		1530	77		75-125	7	20
Selenium, Total	ND	12.6	10.4	82		9.72	80		75-125	7	20
Silver, Total	ND	31.5	26.6	84		25.6	84		75-125	4	20
Sodium, Total	27.8J	1050	903	86		860	84		75-125	5	20
Thallium, Total	0.186J	12.6	9.91	78		9.30	76		75-125	6	20
Vanadium, Total	19.2	52.5	63.8	85		62.2	84		75-125	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,04,06,08,10,12 QC Batch ID: WG1284383-3 WG1284383-4 QC Sample: L1940021-03 Client ID: MS Sample									
Zinc, Total	55.6	52.5	103	90	99.1	85	75-125	4	20

INORGANICS
&
MISCELLANEOUS

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-01
Client ID: WC-A2I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	09/11/19 14:10	09/11/19 16:52	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-02
Client ID: WC-A2I GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:00
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.8		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-03
Client ID: WC-A2II GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-04
Client ID: WC-A2II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.2		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	09/11/19 14:10	09/11/19 16:56	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-05
Client ID: WC-B1I GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:00
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-06
Client ID: WC-B1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:05
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/11/19 16:20	09/12/19 12:18	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-07
Client ID: WC-B1II GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-08
Client ID: WC-B1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:15
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.1		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/11/19 16:20	09/12/19 12:21	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-09
Client ID: WC-A1I GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:25
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-10
Client ID: WC-A1I COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.7		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/11/19 16:20	09/12/19 12:22	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-11
Client ID: WC-A1II GRAB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.7		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941307-12
Client ID: WC-A1II COMP
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.8		%	0.100	NA	1	-	09/11/19 12:42	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/11/19 16:20	09/12/19 12:23	1,9010C/9012B	LH

Project Name:

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01,04 Batch: WG1282839-1										
Cyanide, Total	ND		mg/kg	0.93	0.20	1	09/11/19 14:10	09/11/19 16:44	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 06,08,10,12 Batch: WG1282897-1										
Cyanide, Total	ND		mg/kg	0.93	0.20	1	09/11/19 16:20	09/12/19 12:08	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG1282839-2 WG1282839-3								
Cyanide, Total	93		81		80-120	14		35
General Chemistry - Westborough Lab Associated sample(s): 06,08,10,12 Batch: WG1282897-2 WG1282897-3								
Cyanide, Total	93		80		80-120	15		35

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG1282839-4 WG1282839-5 QC Sample: L1941291-01 Client ID: MS Sample												
Cyanide, Total	ND	10	10	98		9.7	100		75-125	3		35
General Chemistry - Westborough Lab Associated sample(s): 06,08,10,12 QC Batch ID: WG1282897-4 WG1282897-5 QC Sample: L1941307-06 Client ID: WC-B1I COMP												
Cyanide, Total	ND	11	11	100		10	100		75-125	10		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941307

Report Date: 09/17/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG1282814-1 QC Sample: L1940970-01 Client ID: DUP Sample						
Solids, Total	97.9	97.4	%	1		20

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941307-01A	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941307-01B	Glass 120ml unpreserved split	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941307-02A	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1941307-02B	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1941307-02C	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1941307-02D	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		TS(7)
L1941307-02X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1941307-02Y	Vial Water preserved split	A	NA		4.4	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-02Z	Vial Water preserved split	A	NA		4.4	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-03A	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1941307-03B	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1941307-03C	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1941307-03D	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		TS(7)
L1941307-03X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L1941307-03Y	Vial Water preserved split	A	NA		4.4	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-03Z	Vial Water preserved split	A	NA		4.4	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-04A	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941307-04B	Glass 60ml unpreserved split	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941307-05A	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-05B	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-05C	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-05D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L1941307-05X	Vial MeOH preserved split	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-05Y	Vial Water preserved split	B	NA		2.8	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-05Z	Vial Water preserved split	B	NA		2.8	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-06A	Glass 500ml/16oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941307-06B	Glass 60ml unpreserved split	B	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941307-07A	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-07B	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-07C	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-07D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L1941307-07X	Vial MeOH preserved split	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-07Y	Vial Water preserved split	B	NA		2.8	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-07Z	Vial Water preserved split	B	NA		2.8	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-08A	Glass 500ml/16oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941307-08B	Glass 60ml unpreserved split	B	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941307-09A	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941307
Report Date: 09/17/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941307-09B	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-09C	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-09D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L1941307-09X	Vial MeOH preserved split	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-09Y	Vial Water preserved split	B	NA		2.8	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-09Z	Vial Water preserved split	B	NA		2.8	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-10A	Glass 500ml/16oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941307-10B	Glass 60ml unpreserved split	B	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941307-11A	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-11B	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-11C	5 gram Encore Sampler	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-11D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L1941307-11X	Vial MeOH preserved split	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941307-11Y	Vial Water preserved split	B	NA		2.8	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-11Z	Vial Water preserved split	B	NA		2.8	Y	Absent	11-SEP-19 12:33	NYTCL-8260HLW(14)
L1941307-12A	Glass 500ml/16oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941307-12B	Glass 60ml unpreserved split	B	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	Not Specified	**Lab Number:**	L1941307
Project Number:	10567	**Report Date:**	09/17/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	Not Specified	**Lab Number:**	L1941307
Project Number:	10567	**Report Date:**	09/17/19

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

Terms

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	Not Specified	**Lab Number:**	L1941307
Project Number:	10567	**Report Date:**	09/17/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 9/11/19

ALPHA Job #: L1941307

Client Information
Client: Sesi
Address: 12a Maple ave
Pine Brook, NJ
Phone: 973 808 9050
Fax:
Email: JAM@sesi.org

Project Information
Project Name:
Project Location: 33 Centre ave, New Rochelle, NY
Project # 10567
(Use Project name as Project #) ☒
Project Manager: Jesse Mausner
ALPHAQuote #:

Turn-Around Time
Standard ☒ 1 week Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other email/excel

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO # 10567 Phase I

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS
TCL+30/TAL (Nov only)
VOCs

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+30/TAL (Nov only)	VOCs
41307-01	WC-A2i comp	9/10/19	1005	SO:1	JCS	X	
02	WC-A2i grab		1000				X
03	WC-A2ii grab		1010				X
-04	WC-A2ii comp		1015			X	
05	WC-B1i grab		1200				X
-06	WC-B1i comp		1205			X	
07	WC-B1ii grab		1210				X
-08	WC-B1ii comp		1215			X	
09	WC-A1i grab		1125				X
-10	WC-A1i comp		1130			X	

Container Type: 6 E
Preservative: A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	9/10/19		09/10/19 15:22
	09/10/19 17:36		9/10/19 1935
	9/11/19 0015		9/11/19 0015

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 2 of 2

Date Rec'd in Lab: 9/11/19

ALPHA Job #: L1941307

Client Information
Client: SESI
Address: 12a Maple ave
Pine Brook, NJ
Phone: 973 808 9050
Fax:
Email: JAM@sesi.org

Project Information
Project Name:
Project Location: 33 Center ave, New Rochelle, NY
Project #: 10567
(Use Project name as Project #): X
Project Manager: Jesse Mausner
ALPHAQuote #:

Turn-Around Time
Standard: X 1 week Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other email/excel

Billing Information
X Same as Client Info
PO # 10567 phase 1

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
X NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+30/1,4-D (60)	VOCs	Total Bottle	Sample Specific Comments
41307 -11	WC-A1+1 grab	9/10/19	1140	Soil	JCS		X		
-12	WC-A1iiiomD	↓	1145	↓	↓	X			

Container Type: B E
Preservative:

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	9/10/19		
	09/10/19 17:36	FSAC	09/11/19 13:22
FSAC	9/11/19 0015		9/11/19 0015

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

JOB: L1941309 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
0700: PCBs Cover Page - OK
0710: PCBs Sample Results - OK
0720: PCBs Method Blank Report - OK
0730: PCBs LCS Report - OK
0900: Pesticides Cover Page - OK
0910: Pesticides Sample Results - OK
0920: Pesticides Method Blank Report - OK
0930: Pesticides LCS Report - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1040: Metals Matrix Spike Report - OK
1050: Metals Duplicate Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1210: Wet Chemistry Method Blank Report - OK
1220: Wet Chemistry LCS Report - OK
1240: Wet Chemistry Matrix Spike Report - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK

No results found for sample L1941309-01 for product A2-NY-537-ISOTOPE
No results found for sample L1941309-02 for product A2-NY-537-ISOTOPE
No results found for sample L1941309-03 for product A2-NY-537-ISOTOPE
No results found for sample L1941309-04 for product A2-NY-537-ISOTOPE
No results found for sample L1941309-05 for product A2-NY-537-ISOTOPE
No results found for sample L1941309-06 for product A2-NY-537-ISOTOPE
No results found for sample L1941309-07 for product A2-NY-537-ISOTOPE
No results found for sample L1941309-08 for product A2-NY-537-ISOTOPE
No results found for sample L1941309-09 for product A2-NY-537-ISOTOPE

No results found for sample L1941309-10 for product A2-NY-537-ISOTOPE
No results found for sample L1941309-11 for product A2-NY-537-ISOTOPE
No results found for sample L1941309-12 for product A2-NY-537-ISOTOPE
No results found for sample L1941309-13 for product A2-NY-537-ISOTOPE
No results found for sample L1941309-14 for product A2-NY-537-ISOTOPE
No results found for sample L1941309-15 for product A2-NY-537-ISOTOPE
No results found for sample L1941309-16 for product A2-NY-537-ISOTOPE
No results found for sample L1941309-17 for product A2-NY-537-ISOTOPE
No results found for sample L1941309-18 for product A2-NY-537-ISOTOPE
No results found for sample L1941309-19 for product A2-NY-537-ISOTOPE

ANALYTICAL REPORT

Lab Number:	L1941309
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	Not Specified
Project Number:	10567
Report Date:	09/17/19

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

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

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

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1941309-01	B-2 (3-4)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 09:40	09/10/19
L1941309-02	B-2 (6-7)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 09:45	09/10/19
L1941309-03	B-7 (1-2)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 10:20	09/10/19
L1941309-04	B-16 (3-4)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 10:30	09/10/19
L1941309-05	B-16 (7-8)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 10:35	09/10/19
L1941309-06	B-1 (2-3)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 10:40	09/10/19
L1941309-07	B-1 (5-6)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 11:10	09/10/19
L1941309-08	B-1 (10-11)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 11:20	09/10/19
L1941309-09	B-11 (6-7)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 11:55	09/10/19
L1941309-10	B-11 (0-1)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 11:50	09/10/19
L1941309-11	B-6 (10-11)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 12:55	09/10/19
L1941309-12	B-6 (7-8)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 12:50	09/10/19
L1941309-13	B-6 (1-2)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 12:40	09/10/19
L1941309-14	B-10 (2-3)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 13:20	09/10/19
L1941309-15	B-10 (7-8)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 13:25	09/10/19
L1941309-16	B-10 (11-12)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 13:30	09/10/19
L1941309-17	B-15 (3-4)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 13:40	09/10/19
L1941309-18	B-15 (6-7)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 13:50	09/10/19
L1941309-19	FB	WATER	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 15:00	09/10/19

Project Name:	Not Specified	**Lab Number:**	L1941309
Project Number:	10567	**Report Date:**	09/17/19

Case Narrative

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

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

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

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

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

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

Project Name: Not Specified **Lab Number:** L1941309
Project Number: 10567 **Report Date:** 09/17/19

Case Narrative (continued)

Report Submission
September 17, 2019: This is a preliminary report.

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

Volatile Organics
L1941309-05, -17, and -18 was analyzed as a High Level Methanol in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies. Further re-analysis could not be performed due to the existing vials being compromised.

Semivolatile Organics
L1941309-18: The surrogate recoveries are above the acceptance criteria for phenol-d6 (122%) and 2,4,6-tribromophenol (152%). Since the sample was non-detect for all target analytes, re-analysis was not required.

Total Metals
L1941309-01 through -18: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.
The WG1283989-3 MS recoveries for aluminum (63%), iron (0%), and manganese (65%), performed on L1941309-01, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG1284527-3 MS recovery, performed on L1941309-01, is outside the acceptance criteria for mercury (70%). A post digestion spike was performed and was within acceptance criteria.
The WG1283989-4 Laboratory Duplicate RPDs for arsenic (70%) and chromium (22%), performed on L1941309-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

Case Narrative (continued)

homogeneous nature of the native sample.

Cyanide, Total

The WG1282962-3 LCSD recovery (74%), associated with L1941309-13 and -14, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1283241-3 LCSD recovery (70%), associated with L1941309-15 through -18, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 09/17/19

ORGANICS

VOLATILES

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-01
Client ID: B-2 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 09:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 12:10
Analyst: JC
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.16	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.93	0.50	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	0.55	J	ug/kg	1.4	0.13	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-01 Date Collected: 09/10/19 09:40

Client ID: B-2 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	2.7		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	0.68	J	ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	0.55	J	ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	86		ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.1	1
Vinyl acetate	ND		ug/kg	9.3	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.13	1
n-Butylbenzene	ND		ug/kg	0.93	0.16	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.93	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-01 Date Collected: 09/10/19 09:40

Client ID: B-2 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.93	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	74	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.16	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	2.84	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	2.84	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-02
Client ID: B-2 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 09:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/15/19 23:21
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	1.8		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	0.28	J	ug/kg	1.5	0.14	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-02 Date Collected: 09/10/19 09:45

Client ID: B-2 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	34		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.28	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	120		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.65	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-02 Date Collected: 09/10/19 09:45

Client ID: B-2 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	80	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1

Tentatively Identified Compounds						
Total TIC Compounds	38.5	J	ug/kg			1
Unknown Alkane	2.52	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	2.60	NJ	ug/kg			1
Unknown	30.7	J	ug/kg			1
Unknown Alkane	2.68	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-03
Client ID: B-7 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 11:22
Analyst: JC
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	320	140	1
1,1-Dichloroethane	ND		ug/kg	63	9.2	1
Chloroform	ND		ug/kg	95	8.9	1
Carbon tetrachloride	ND		ug/kg	63	15.	1
1,2-Dichloropropane	ND		ug/kg	63	7.9	1
Dibromochloromethane	ND		ug/kg	63	8.9	1
1,1,2-Trichloroethane	ND		ug/kg	63	17.	1
Tetrachloroethene	63		ug/kg	32	12.	1
Chlorobenzene	ND		ug/kg	32	8.1	1
Trichlorofluoromethane	ND		ug/kg	250	44.	1
1,2-Dichloroethane	ND		ug/kg	63	16.	1
1,1,1-Trichloroethane	59		ug/kg	32	11.	1
Bromodichloromethane	ND		ug/kg	32	6.9	1
trans-1,3-Dichloropropene	ND		ug/kg	63	17.	1
cis-1,3-Dichloropropene	ND		ug/kg	32	10.	1
1,3-Dichloropropene, Total	ND		ug/kg	32	10.	1
1,1-Dichloropropene	ND		ug/kg	32	10.	1
Bromoform	ND		ug/kg	250	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	32	10.	1
Benzene	ND		ug/kg	32	10.	1
Toluene	ND		ug/kg	63	34.	1
Ethylbenzene	ND		ug/kg	63	9.0	1
Chloromethane	ND		ug/kg	250	59.	1
Bromomethane	ND		ug/kg	130	37.	1
Vinyl chloride	ND		ug/kg	63	21.	1
Chloroethane	ND		ug/kg	130	29.	1
1,1-Dichloroethene	ND		ug/kg	63	15.	1
trans-1,2-Dichloroethene	ND		ug/kg	95	8.7	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-03 Date Collected: 09/10/19 10:20

Client ID: B-7 (1-2) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	920		ug/kg	32	8.7	1
1,2-Dichlorobenzene	ND		ug/kg	130	9.1	1
1,3-Dichlorobenzene	ND		ug/kg	130	9.4	1
1,4-Dichlorobenzene	ND		ug/kg	130	11.	1
Methyl tert butyl ether	ND		ug/kg	130	13.	1
p/m-Xylene	ND		ug/kg	130	36.	1
o-Xylene	ND		ug/kg	63	18.	1
Xylenes, Total	ND		ug/kg	63	18.	1
cis-1,2-Dichloroethene	ND		ug/kg	63	11.	1
1,2-Dichloroethene, Total	ND		ug/kg	63	8.7	1
Dibromomethane	ND		ug/kg	130	15.	1
Styrene	ND		ug/kg	63	12.	1
Dichlorodifluoromethane	ND		ug/kg	630	58.	1
Acetone	ND		ug/kg	630	300	1
Carbon disulfide	ND		ug/kg	630	290	1
2-Butanone	ND		ug/kg	630	140	1
Vinyl acetate	ND		ug/kg	630	140	1
4-Methyl-2-pentanone	ND		ug/kg	630	81.	1
1,2,3-Trichloropropane	ND		ug/kg	130	8.1	1
2-Hexanone	ND		ug/kg	630	75.	1
Bromochloromethane	ND		ug/kg	130	13.	1
2,2-Dichloropropane	ND		ug/kg	130	13.	1
1,2-Dibromoethane	ND		ug/kg	63	18.	1
1,3-Dichloropropane	ND		ug/kg	130	11.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	32	8.4	1
Bromobenzene	ND		ug/kg	130	9.2	1
n-Butylbenzene	ND		ug/kg	63	11.	1
sec-Butylbenzene	ND		ug/kg	63	9.3	1
tert-Butylbenzene	ND		ug/kg	130	7.5	1
o-Chlorotoluene	ND		ug/kg	130	12.	1
p-Chlorotoluene	ND		ug/kg	130	6.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	190	63.	1
Hexachlorobutadiene	ND		ug/kg	250	11.	1
Isopropylbenzene	ND		ug/kg	63	6.9	1
p-Isopropyltoluene	ND		ug/kg	63	6.9	1
Naphthalene	ND		ug/kg	250	41.	1
Acrylonitrile	ND		ug/kg	250	73.	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-03
Client ID: B-7 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	63	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	130	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	17.	1
1,3,5-Trimethylbenzene	ND		ug/kg	130	12.	1
1,2,4-Trimethylbenzene	ND		ug/kg	130	21.	1
1,4-Dioxane	ND		ug/kg	5100	2200	1
p-Diethylbenzene	ND		ug/kg	130	11.	1
p-Ethyltoluene	ND		ug/kg	130	24.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	130	12.	1
Ethyl ether	ND		ug/kg	130	22.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	320	90.	1
Tentatively Identified Compounds						
Total TIC Compounds	416	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	156	NJ	ug/kg			1
Unknown	260	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	93		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-04
Client ID: B-16 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 11:46
Analyst: JC
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	230	110	1
1,1-Dichloroethane	ND		ug/kg	46	6.7	1
Chloroform	ND		ug/kg	70	6.5	1
Carbon tetrachloride	ND		ug/kg	46	11.	1
1,2-Dichloropropane	ND		ug/kg	46	5.8	1
Dibromochloromethane	ND		ug/kg	46	6.5	1
1,1,2-Trichloroethane	ND		ug/kg	46	12.	1
Tetrachloroethene	ND		ug/kg	23	9.1	1
Chlorobenzene	ND		ug/kg	23	5.9	1
Trichlorofluoromethane	ND		ug/kg	180	32.	1
1,2-Dichloroethane	ND		ug/kg	46	12.	1
1,1,1-Trichloroethane	81		ug/kg	23	7.7	1
Bromodichloromethane	ND		ug/kg	23	5.0	1
trans-1,3-Dichloropropene	ND		ug/kg	46	13.	1
cis-1,3-Dichloropropene	ND		ug/kg	23	7.3	1
1,3-Dichloropropene, Total	ND		ug/kg	23	7.3	1
1,1-Dichloropropene	ND		ug/kg	23	7.4	1
Bromoform	ND		ug/kg	180	11.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	23	7.7	1
Benzene	ND		ug/kg	23	7.7	1
Toluene	ND		ug/kg	46	25.	1
Ethylbenzene	ND		ug/kg	46	6.5	1
Chloromethane	ND		ug/kg	180	43.	1
Bromomethane	ND		ug/kg	93	27.	1
Vinyl chloride	ND		ug/kg	46	16.	1
Chloroethane	ND		ug/kg	93	21.	1
1,1-Dichloroethene	ND		ug/kg	46	11.	1
trans-1,2-Dichloroethene	ND		ug/kg	70	6.4	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-04 Date Collected: 09/10/19 10:30

Client ID: B-16 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	1500		ug/kg	23	6.4	1
1,2-Dichlorobenzene	ND		ug/kg	93	6.7	1
1,3-Dichlorobenzene	ND		ug/kg	93	6.9	1
1,4-Dichlorobenzene	ND		ug/kg	93	7.9	1
Methyl tert butyl ether	ND		ug/kg	93	9.3	1
p/m-Xylene	ND		ug/kg	93	26.	1
o-Xylene	ND		ug/kg	46	14.	1
Xylenes, Total	ND		ug/kg	46	14.	1
cis-1,2-Dichloroethene	ND		ug/kg	46	8.1	1
1,2-Dichloroethene, Total	ND		ug/kg	46	6.4	1
Dibromomethane	ND		ug/kg	93	11.	1
Styrene	ND		ug/kg	46	9.1	1
Dichlorodifluoromethane	ND		ug/kg	460	42.	1
Acetone	ND		ug/kg	460	220	1
Carbon disulfide	ND		ug/kg	460	210	1
2-Butanone	ND		ug/kg	460	100	1
Vinyl acetate	ND		ug/kg	460	100	1
4-Methyl-2-pentanone	ND		ug/kg	460	59.	1
1,2,3-Trichloropropane	ND		ug/kg	93	5.9	1
2-Hexanone	ND		ug/kg	460	55.	1
Bromochloromethane	ND		ug/kg	93	9.5	1
2,2-Dichloropropane	ND		ug/kg	93	9.4	1
1,2-Dibromoethane	ND		ug/kg	46	13.	1
1,3-Dichloropropane	ND		ug/kg	93	7.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	23	6.1	1
Bromobenzene	ND		ug/kg	93	6.7	1
n-Butylbenzene	ND		ug/kg	46	7.7	1
sec-Butylbenzene	ND		ug/kg	46	6.8	1
tert-Butylbenzene	ND		ug/kg	93	5.5	1
o-Chlorotoluene	ND		ug/kg	93	8.9	1
p-Chlorotoluene	ND		ug/kg	93	5.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	140	46.	1
Hexachlorobutadiene	ND		ug/kg	180	7.8	1
Isopropylbenzene	ND		ug/kg	46	5.0	1
p-Isopropyltoluene	ND		ug/kg	46	5.0	1
Naphthalene	ND		ug/kg	180	30.	1
Acrylonitrile	ND		ug/kg	180	53.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-04 Date Collected: 09/10/19 10:30

Client ID: B-16 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	46	7.9	1
1,2,3-Trichlorobenzene	ND		ug/kg	93	15.	1
1,2,4-Trichlorobenzene	ND		ug/kg	93	13.	1
1,3,5-Trimethylbenzene	ND		ug/kg	93	9.0	1
1,2,4-Trimethylbenzene	ND		ug/kg	93	15.	1
1,4-Dioxane	ND		ug/kg	3700	1600	1
p-Diethylbenzene	ND		ug/kg	93	8.2	1
p-Ethyltoluene	ND		ug/kg	93	18.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	93	8.9	1
Ethyl ether	ND		ug/kg	93	16.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	230	66.	1
Tentatively Identified Compounds						
Total TIC Compounds	117	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	117	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	92		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-05
Client ID: B-16 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:35
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/15/19 23:46
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	0.38	J	ug/kg	0.96	0.14	1
Chloroform	0.25	J	ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.96	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.96	0.12	1
Dibromochloromethane	ND		ug/kg	0.96	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	0.26	1
Tetrachloroethene	0.55		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.25	1
1,1,1-Trichloroethane	8.9		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.96	0.52	1
Ethylbenzene	ND		ug/kg	0.96	0.14	1
Chloromethane	ND		ug/kg	3.8	0.89	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.96	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	0.26	J	ug/kg	0.96	0.23	1
trans-1,2-Dichloroethene	0.55	J	ug/kg	1.4	0.13	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-05 Date Collected: 09/10/19 10:35

Client ID: B-16 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	230		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	0.67	J	ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.96	0.28	1
Xylenes, Total	ND		ug/kg	0.96	0.28	1
cis-1,2-Dichloroethene	0.30	J	ug/kg	0.96	0.17	1
1,2-Dichloroethene, Total	0.85	J	ug/kg	0.96	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.96	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.88	1
Acetone	450	E	ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	5.4	J	ug/kg	9.6	2.1	1
Vinyl acetate	ND		ug/kg	9.6	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.6	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.96	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.96	0.16	1
sec-Butylbenzene	ND		ug/kg	0.96	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.96	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-05 Date Collected: 09/10/19 10:35

Client ID: B-16 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.96	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	77	34.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-05
Client ID: B-16 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:35
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 22:17
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	250	110	1
1,1-Dichloroethane	ND		ug/kg	49	7.1	1
Chloroform	11	J	ug/kg	74	6.9	1
Carbon tetrachloride	ND		ug/kg	49	11.	1
1,2-Dichloropropane	ND		ug/kg	49	6.2	1
Dibromochloromethane	ND		ug/kg	49	6.9	1
1,1,2-Trichloroethane	ND		ug/kg	49	13.	1
Tetrachloroethene	ND		ug/kg	25	9.6	1
Chlorobenzene	ND		ug/kg	25	6.2	1
Trichlorofluoromethane	ND		ug/kg	200	34.	1
1,2-Dichloroethane	ND		ug/kg	49	13.	1
1,1,1-Trichloroethane	36		ug/kg	25	8.2	1
Bromodichloromethane	ND		ug/kg	25	5.4	1
trans-1,3-Dichloropropene	ND		ug/kg	49	13.	1
cis-1,3-Dichloropropene	ND		ug/kg	25	7.8	1
1,3-Dichloropropene, Total	ND		ug/kg	25	7.8	1
1,1-Dichloropropene	ND		ug/kg	25	7.8	1
Bromoform	ND		ug/kg	200	12.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.2	1
Benzene	ND		ug/kg	25	8.2	1
Toluene	ND		ug/kg	49	27.	1
Ethylbenzene	ND		ug/kg	49	6.9	1
Chloromethane	ND		ug/kg	200	46.	1
Bromomethane	ND		ug/kg	98	29.	1
Vinyl chloride	ND		ug/kg	49	16.	1
Chloroethane	ND		ug/kg	98	22.	1
1,1-Dichloroethene	ND		ug/kg	49	12.	1
trans-1,2-Dichloroethene	ND		ug/kg	74	6.7	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-05 Date Collected: 09/10/19 10:35

Client ID: B-16 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	550		ug/kg	25	6.7	1
1,2-Dichlorobenzene	ND		ug/kg	98	7.1	1
1,3-Dichlorobenzene	ND		ug/kg	98	7.3	1
1,4-Dichlorobenzene	ND		ug/kg	98	8.4	1
Methyl tert butyl ether	ND		ug/kg	98	9.9	1
p/m-Xylene	ND		ug/kg	98	28.	1
o-Xylene	ND		ug/kg	49	14.	1
Xylenes, Total	ND		ug/kg	49	14.	1
cis-1,2-Dichloroethene	ND		ug/kg	49	8.6	1
1,2-Dichloroethene, Total	ND		ug/kg	49	6.7	1
Dibromomethane	ND		ug/kg	98	12.	1
Styrene	ND		ug/kg	49	9.6	1
Dichlorodifluoromethane	ND		ug/kg	490	45.	1
Acetone	ND		ug/kg	490	240	1
Carbon disulfide	ND		ug/kg	490	220	1
2-Butanone	ND		ug/kg	490	110	1
Vinyl acetate	ND		ug/kg	490	100	1
4-Methyl-2-pentanone	ND		ug/kg	490	63.	1
1,2,3-Trichloropropane	ND		ug/kg	98	6.2	1
2-Hexanone	ND		ug/kg	490	58.	1
Bromochloromethane	ND		ug/kg	98	10.	1
2,2-Dichloropropane	ND		ug/kg	98	9.9	1
1,2-Dibromoethane	ND		ug/kg	49	14.	1
1,3-Dichloropropane	ND		ug/kg	98	8.2	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.5	1
Bromobenzene	ND		ug/kg	98	7.1	1
n-Butylbenzene	ND		ug/kg	49	8.2	1
sec-Butylbenzene	ND		ug/kg	49	7.2	1
tert-Butylbenzene	ND		ug/kg	98	5.8	1
o-Chlorotoluene	ND		ug/kg	98	9.4	1
p-Chlorotoluene	ND		ug/kg	98	5.3	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	49.	1
Hexachlorobutadiene	ND		ug/kg	200	8.3	1
Isopropylbenzene	ND		ug/kg	49	5.4	1
p-Isopropyltoluene	ND		ug/kg	49	5.4	1
Naphthalene	ND		ug/kg	200	32.	1
Acrylonitrile	ND		ug/kg	200	57.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-05 Date Collected: 09/10/19 10:35

Client ID: B-16 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	49	8.4	1
1,2,3-Trichlorobenzene	ND		ug/kg	98	16.	1
1,2,4-Trichlorobenzene	ND		ug/kg	98	13.	1
1,3,5-Trimethylbenzene	ND		ug/kg	98	9.5	1
1,2,4-Trimethylbenzene	ND		ug/kg	98	16.	1
1,4-Dioxane	ND		ug/kg	3900	1700	1
p-Diethylbenzene	ND		ug/kg	98	8.7	1
p-Ethyltoluene	ND		ug/kg	98	19.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	98	9.4	1
Ethyl ether	ND		ug/kg	98	17.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	70.	1
Tentatively Identified Compounds						
Total TIC Compounds	145	J	ug/kg			1
Unknown	145	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	104		70-130

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-06 Date Collected: 09/10/19 10:40
Client ID: B-1 (2-3) Date Received: 09/10/19
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 00:10
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	0.17	J	ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.95	0.52	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.22	1
trans-1,2-Dichloroethene	0.54	J	ug/kg	1.4	0.13	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-06 Date Collected: 09/10/19 10:40

Client ID: B-1 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	14		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	0.67	J	ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
Xylenes, Total	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.17	1
1,2-Dichloroethene, Total	0.54	J	ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.95	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	160		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	2.4	J	ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-06 Date Collected: 09/10/19 10:40

Client ID: B-1 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.95	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	10.5	J	ug/kg			1
Unknown	5.69	J	ug/kg			1
Unknown	2.58	J	ug/kg			1
Unknown	2.23	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-07
Client ID: B-1 (5-6)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 00:34
Analyst: NLK
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	2.2	J	ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.16	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.93	0.50	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	0.68	J	ug/kg	1.4	0.13	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-07 Date Collected: 09/10/19 11:10

Client ID: B-1 (5-6) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	4.4		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	0.68	J	ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	180		ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.1	1
Vinyl acetate	ND		ug/kg	9.3	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.13	1
n-Butylbenzene	ND		ug/kg	0.93	0.16	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.93	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-07 Date Collected: 09/10/19 11:10

Client ID: B-1 (5-6) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.93	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	74	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.16	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	53.5	J	ug/kg			1
Ethyl Acetate	50.7	NJ	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	2.83	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-08
Client ID: B-1 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 00:58
Analyst: NLK
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.87	0.12	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.87	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.87	0.11	1
Dibromochloromethane	ND		ug/kg	0.87	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.87	0.23	1
Tetrachloroethene	ND		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.60	1
1,2-Dichloroethane	ND		ug/kg	0.87	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.87	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.43	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.43	0.14	1
Bromoform	ND		ug/kg	3.5	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	0.14	1
Benzene	ND		ug/kg	0.43	0.14	1
Toluene	ND		ug/kg	0.87	0.47	1
Ethylbenzene	ND		ug/kg	0.87	0.12	1
Chloromethane	ND		ug/kg	3.5	0.81	1
Bromomethane	ND		ug/kg	1.7	0.50	1
Vinyl chloride	ND		ug/kg	0.87	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.87	0.21	1
trans-1,2-Dichloroethene	0.56	J	ug/kg	1.3	0.12	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-08 Date Collected: 09/10/19 11:20

Client ID: B-1 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.0		ug/kg	0.43	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	0.46	J	ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.48	1
o-Xylene	ND		ug/kg	0.87	0.25	1
Xylenes, Total	ND		ug/kg	0.87	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.87	0.15	1
1,2-Dichloroethene, Total	0.56	J	ug/kg	0.87	0.12	1
Dibromomethane	ND		ug/kg	1.7	0.21	1
Styrene	ND		ug/kg	0.87	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.7	0.79	1
Acetone	260		ug/kg	8.7	4.2	1
Carbon disulfide	ND		ug/kg	8.7	3.9	1
2-Butanone	3.5	J	ug/kg	8.7	1.9	1
Vinyl acetate	ND		ug/kg	8.7	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.7	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.7	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.87	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.43	0.11	1
Bromobenzene	ND		ug/kg	1.7	0.12	1
n-Butylbenzene	ND		ug/kg	0.87	0.14	1
sec-Butylbenzene	ND		ug/kg	0.87	0.13	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.16	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.86	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.87	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.87	0.09	1
Naphthalene	ND		ug/kg	3.5	0.56	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-08 Date Collected: 09/10/19 11:20

Client ID: B-1 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.87	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
1,4-Dioxane	ND		ug/kg	69	30.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.33	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.16	1
Ethyl ether	ND		ug/kg	1.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.3	1.2	1
Tentatively Identified Compounds						
Total TIC Compounds	6.91	J	ug/kg			1
Unknown	2.60	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	4.31	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-09
Client ID: B-11 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 12:34
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.2	1.9	1
1,1-Dichloroethane	ND		ug/kg	0.83	0.12	1
Chloroform	0.31	J	ug/kg	1.2	0.12	1
Carbon tetrachloride	ND		ug/kg	0.83	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.83	0.10	1
Dibromochloromethane	ND		ug/kg	0.83	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.83	0.22	1
Tetrachloroethene	ND		ug/kg	0.42	0.16	1
Chlorobenzene	ND		ug/kg	0.42	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.3	0.58	1
1,2-Dichloroethane	ND		ug/kg	0.83	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	0.42	0.14	1
Bromodichloromethane	ND		ug/kg	0.42	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.83	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	0.42	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	0.42	0.13	1
1,1-Dichloropropene	ND		ug/kg	0.42	0.13	1
Bromoform	ND		ug/kg	3.3	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.42	0.14	1
Benzene	ND		ug/kg	0.42	0.14	1
Toluene	ND		ug/kg	0.83	0.45	1
Ethylbenzene	ND		ug/kg	0.83	0.12	1
Chloromethane	ND		ug/kg	3.3	0.78	1
Bromomethane	ND		ug/kg	1.7	0.48	1
Vinyl chloride	ND		ug/kg	0.83	0.28	1
Chloroethane	ND		ug/kg	1.7	0.38	1
1,1-Dichloroethene	ND		ug/kg	0.83	0.20	1
trans-1,2-Dichloroethene	0.52	J	ug/kg	1.2	0.11	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-09 Date Collected: 09/10/19 11:55

Client ID: B-11 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.42	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.47	1
o-Xylene	ND		ug/kg	0.83	0.24	1
Xylenes, Total	ND		ug/kg	0.83	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.83	0.14	1
1,2-Dichloroethene, Total	0.52	J	ug/kg	0.83	0.11	1
Dibromomethane	ND		ug/kg	1.7	0.20	1
Styrene	ND		ug/kg	0.83	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.3	0.76	1
Acetone	100		ug/kg	8.3	4.0	1
Carbon disulfide	ND		ug/kg	8.3	3.8	1
2-Butanone	ND		ug/kg	8.3	1.8	1
Vinyl acetate	ND		ug/kg	8.3	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.3	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.10	1
2-Hexanone	ND		ug/kg	8.3	0.98	1
Bromochloromethane	ND		ug/kg	1.7	0.17	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.83	0.23	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.42	0.11	1
Bromobenzene	ND		ug/kg	1.7	0.12	1
n-Butylbenzene	ND		ug/kg	0.83	0.14	1
sec-Butylbenzene	ND		ug/kg	0.83	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.16	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	0.83	1
Hexachlorobutadiene	ND		ug/kg	3.3	0.14	1
Isopropylbenzene	ND		ug/kg	0.83	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.83	0.09	1
Naphthalene	ND		ug/kg	3.3	0.54	1
Acrylonitrile	ND		ug/kg	3.3	0.96	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-09 Date Collected: 09/10/19 11:55

Client ID: B-11 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.83	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.28	1
1,4-Dioxane	ND		ug/kg	66	29.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.32	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.16	1
Ethyl ether	ND		ug/kg	1.7	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.2	1.2	1
Tentatively Identified Compounds						
Total TIC Compounds	35.3	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	1.86	NJ	ug/kg			1
Ethyl Acetate	33.4	NJ	ug/kg			1

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

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-10
Client ID: B-11 (0-1)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 12:58
Analyst: JC
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	0.41	J	ug/kg	1.6	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	15		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	0.51	J	ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.1	0.96	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	0.18	J	ug/kg	1.6	0.14	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-10 Date Collected: 09/10/19 11:50

Client ID: B-11 (0-1) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.80		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.18	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	45		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	2.6	J	ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.67	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-10 Date Collected: 09/10/19 11:50

Client ID: B-11 (0-1) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.34	1
1,4-Dioxane	ND		ug/kg	83	36.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1
Tentatively Identified Compounds						
Total TIC Compounds	2.78	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	2.78	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	99		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-11
Client ID: B-6 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 13:22
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	0.24	J	ug/kg	0.89	0.13	1
Chloroform	0.51	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.89	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.89	0.11	1
Dibromochloromethane	ND		ug/kg	0.89	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.89	0.24	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.89	0.23	1
1,1,1-Trichloroethane	19		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.89	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.15	1
Benzene	ND		ug/kg	0.44	0.15	1
Toluene	ND		ug/kg	0.89	0.48	1
Ethylbenzene	ND		ug/kg	0.89	0.12	1
Chloromethane	ND		ug/kg	3.6	0.83	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.89	0.30	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	1.0		ug/kg	0.89	0.21	1
trans-1,2-Dichloroethene	0.61	J	ug/kg	1.3	0.12	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-11 Date Collected: 09/10/19 12:55

Client ID: B-6 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	49		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.89	0.26	1
Xylenes, Total	ND		ug/kg	0.89	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.89	0.16	1
1,2-Dichloroethene, Total	0.61	J	ug/kg	0.89	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.89	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.9	0.82	1
Acetone	120		ug/kg	8.9	4.3	1
Carbon disulfide	ND		ug/kg	8.9	4.0	1
2-Butanone	3.2	J	ug/kg	8.9	2.0	1
Vinyl acetate	ND		ug/kg	8.9	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.9	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.9	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.89	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.89	0.15	1
sec-Butylbenzene	ND		ug/kg	0.89	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.89	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.89	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.89	0.10	1
Naphthalene	ND		ug/kg	3.6	0.58	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-11 Date Collected: 09/10/19 12:55

Client ID: B-6 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.89	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	71	31.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	21.8	J	ug/kg			1
Ethyl Acetate	19.4	NJ	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	2.40	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-12
Client ID: B-6 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 13:47
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.86	0.12	1
Chloroform	0.37	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.86	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.86	0.11	1
Dibromochloromethane	ND		ug/kg	0.86	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.86	0.23	1
Tetrachloroethene	ND		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.60	1
1,2-Dichloroethane	ND		ug/kg	0.86	0.22	1
1,1,1-Trichloroethane	0.47		ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.86	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.43	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.43	0.14	1
Bromoform	ND		ug/kg	3.4	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	0.14	1
Benzene	ND		ug/kg	0.43	0.14	1
Toluene	ND		ug/kg	0.86	0.46	1
Ethylbenzene	ND		ug/kg	0.86	0.12	1
Chloromethane	ND		ug/kg	3.4	0.80	1
Bromomethane	ND		ug/kg	1.7	0.50	1
Vinyl chloride	ND		ug/kg	0.86	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.86	0.20	1
trans-1,2-Dichloroethene	0.42	J	ug/kg	1.3	0.12	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-12 Date Collected: 09/10/19 12:50

Client ID: B-6 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.6		ug/kg	0.43	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.48	1
o-Xylene	ND		ug/kg	0.86	0.25	1
Xylenes, Total	ND		ug/kg	0.86	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.86	0.15	1
1,2-Dichloroethene, Total	0.42	J	ug/kg	0.86	0.12	1
Dibromomethane	ND		ug/kg	1.7	0.20	1
Styrene	ND		ug/kg	0.86	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.6	0.78	1
Acetone	120		ug/kg	8.6	4.1	1
Carbon disulfide	ND		ug/kg	8.6	3.9	1
2-Butanone	ND		ug/kg	8.6	1.9	1
Vinyl acetate	ND		ug/kg	8.6	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.6	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.6	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.86	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.43	0.11	1
Bromobenzene	ND		ug/kg	1.7	0.12	1
n-Butylbenzene	ND		ug/kg	0.86	0.14	1
sec-Butylbenzene	ND		ug/kg	0.86	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.16	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.86	1
Hexachlorobutadiene	ND		ug/kg	3.4	0.14	1
Isopropylbenzene	ND		ug/kg	0.86	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.86	0.09	1
Naphthalene	ND		ug/kg	3.4	0.56	1
Acrylonitrile	ND		ug/kg	3.4	0.99	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-12 Date Collected: 09/10/19 12:50

Client ID: B-6 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.86	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
1,4-Dioxane	ND		ug/kg	69	30.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.33	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.16	1
Ethyl ether	ND		ug/kg	1.7	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.3	1.2	1
Tentatively Identified Compounds						
Total TIC Compounds	35.7	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	2.37	NJ	ug/kg			1
Ethyl Acetate	33.3	NJ	ug/kg			1

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

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-13
Client ID: B-6 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 14:11
Analyst: JC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	0.13	J	ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.94	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	0.65	J	ug/kg	1.4	0.13	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-13 Date Collected: 09/10/19 12:40

Client ID: B-6 (1-2) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.1		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.94	0.28	1
Xylenes, Total	ND		ug/kg	0.94	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	0.65	J	ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	120		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	3.3	J	ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.8	0.61	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-13
Client ID: B-6 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	20.5	J	ug/kg			1
Ethyl Acetate	18.0	NJ	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	2.50	NJ	ug/kg			1

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

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-14
Client ID: B-10 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 14:35
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	0.19	J	ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	0.40	J	ug/kg	1.6	0.15	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-14 Date Collected: 09/10/19 13:20

Client ID: B-10 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	0.40	J	ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	100		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	2.9	J	ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-14
Client ID: B-10 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	88	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1
Tentatively Identified Compounds						
Total TIC Compounds	10.5	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	2.97	NJ	ug/kg			1
Ethyl Acetate	7.55	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-15
Client ID: B-10 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:25
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 14:59
Analyst: JC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.12	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.92	0.50	1
Ethylbenzene	ND		ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	ND		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	0.25	J	ug/kg	1.4	0.13	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-15 Date Collected: 09/10/19 13:25

Client ID: B-10 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.92	0.27	1
Xylenes, Total	ND		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
1,2-Dichloroethene, Total	0.25	J	ug/kg	0.92	0.13	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.84	1
Acetone	ND		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
Vinyl acetate	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.92	0.15	1
sec-Butylbenzene	ND		ug/kg	0.92	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.18	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.92	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-15
Client ID: B-10 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:25
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.92	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
1,4-Dioxane	ND		ug/kg	74	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.18	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	4.99	J	ug/kg			1
Unknown	1.99	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	3.00	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	94		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-16
Client ID: B-10 (11-12)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 15:23
Analyst: JC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.98	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.98	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.98	0.12	1
Dibromochloromethane	ND		ug/kg	0.98	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	0.26	1
Tetrachloroethene	ND		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.98	0.53	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	3.9	0.91	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.98	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.23	1
trans-1,2-Dichloroethene	0.24	J	ug/kg	1.5	0.13	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-16 Date Collected: 09/10/19 13:30

Client ID: B-10 (11-12) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.98	0.28	1
Xylenes, Total	ND		ug/kg	0.98	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.17	1
1,2-Dichloroethene, Total	0.24	J	ug/kg	0.98	0.13	1
Dibromomethane	ND		ug/kg	2.0	0.23	1
Styrene	ND		ug/kg	0.98	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.89	1
Acetone	130		ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.4	1
2-Butanone	ND		ug/kg	9.8	2.2	1
Vinyl acetate	ND		ug/kg	9.8	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.8	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.98	0.27	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.98	0.16	1
sec-Butylbenzene	ND		ug/kg	0.98	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.98	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.11	1
Naphthalene	ND		ug/kg	3.9	0.64	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-16
Client ID: B-10 (11-12)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.98	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	78	34.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.17	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	45.9	J	ug/kg			1
Ethyl Acetate	42.7	NJ	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	3.18	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-17
Client ID: B-15 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 15:48
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.89	0.13	1
Chloroform	0.12	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.89	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.89	0.11	1
Dibromochloromethane	ND		ug/kg	0.89	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.89	0.24	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.89	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.89	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.15	1
Benzene	ND		ug/kg	0.44	0.15	1
Toluene	ND		ug/kg	0.89	0.48	1
Ethylbenzene	ND		ug/kg	0.89	0.12	1
Chloromethane	ND		ug/kg	3.6	0.83	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.89	0.30	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.89	0.21	1
trans-1,2-Dichloroethene	0.30	J	ug/kg	1.3	0.12	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-17 Date Collected: 09/10/19 13:40

Client ID: B-15 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	1.0	J	ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.89	0.26	1
Xylenes, Total	ND		ug/kg	0.89	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.89	0.16	1
1,2-Dichloroethene, Total	0.30	J	ug/kg	0.89	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.89	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.9	0.81	1
Acetone	370	E	ug/kg	8.9	4.3	1
Carbon disulfide	ND		ug/kg	8.9	4.0	1
2-Butanone	4.0	J	ug/kg	8.9	2.0	1
Vinyl acetate	ND		ug/kg	8.9	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.9	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.9	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.89	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.89	0.15	1
sec-Butylbenzene	ND		ug/kg	0.89	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.89	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.89	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.89	0.10	1
Naphthalene	ND		ug/kg	3.6	0.58	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-17
Client ID: B-15 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.89	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	71	31.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.3	1

Tentatively Identified Compounds

Total TIC Compounds	6.15	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	3.27	NJ	ug/kg			1
Unknown	2.88	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-17
Client ID: B-15 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 21:25
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	240	110	1
1,1-Dichloroethane	ND		ug/kg	47	6.8	1
Chloroform	9.5	J	ug/kg	71	6.6	1
Carbon tetrachloride	ND		ug/kg	47	11.	1
1,2-Dichloropropane	ND		ug/kg	47	5.9	1
Dibromochloromethane	ND		ug/kg	47	6.6	1
1,1,2-Trichloroethane	ND		ug/kg	47	13.	1
Tetrachloroethene	ND		ug/kg	24	9.2	1
Chlorobenzene	ND		ug/kg	24	6.0	1
Trichlorofluoromethane	ND		ug/kg	190	33.	1
1,2-Dichloroethane	ND		ug/kg	47	12.	1
1,1,1-Trichloroethane	ND		ug/kg	24	7.9	1
Bromodichloromethane	ND		ug/kg	24	5.1	1
trans-1,3-Dichloropropene	ND		ug/kg	47	13.	1
cis-1,3-Dichloropropene	ND		ug/kg	24	7.4	1
1,3-Dichloropropene, Total	ND		ug/kg	24	7.4	1
1,1-Dichloropropene	ND		ug/kg	24	7.5	1
Bromoform	ND		ug/kg	190	12.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	24	7.8	1
Benzene	ND		ug/kg	24	7.8	1
Toluene	ND		ug/kg	47	26.	1
Ethylbenzene	ND		ug/kg	47	6.6	1
Chloromethane	ND		ug/kg	190	44.	1
Bromomethane	ND		ug/kg	94	27.	1
Vinyl chloride	ND		ug/kg	47	16.	1
Chloroethane	ND		ug/kg	94	21.	1
1,1-Dichloroethene	ND		ug/kg	47	11.	1
trans-1,2-Dichloroethene	ND		ug/kg	71	6.5	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-17 Date Collected: 09/10/19 13:40

Client ID: B-15 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	24	6.5	1
1,2-Dichlorobenzene	ND		ug/kg	94	6.8	1
1,3-Dichlorobenzene	ND		ug/kg	94	7.0	1
1,4-Dichlorobenzene	ND		ug/kg	94	8.1	1
Methyl tert butyl ether	ND		ug/kg	94	9.5	1
p/m-Xylene	ND		ug/kg	94	26.	1
o-Xylene	ND		ug/kg	47	14.	1
Xylenes, Total	ND		ug/kg	47	14.	1
cis-1,2-Dichloroethene	ND		ug/kg	47	8.3	1
1,2-Dichloroethene, Total	ND		ug/kg	47	6.5	1
Dibromomethane	ND		ug/kg	94	11.	1
Styrene	ND		ug/kg	47	9.2	1
Dichlorodifluoromethane	ND		ug/kg	470	43.	1
Acetone	ND		ug/kg	470	230	1
Carbon disulfide	ND		ug/kg	470	210	1
2-Butanone	ND		ug/kg	470	100	1
Vinyl acetate	ND		ug/kg	470	100	1
4-Methyl-2-pentanone	ND		ug/kg	470	60.	1
1,2,3-Trichloropropane	ND		ug/kg	94	6.0	1
2-Hexanone	ND		ug/kg	470	56.	1
Bromochloromethane	ND		ug/kg	94	9.7	1
2,2-Dichloropropane	ND		ug/kg	94	9.5	1
1,2-Dibromoethane	ND		ug/kg	47	13.	1
1,3-Dichloropropane	ND		ug/kg	94	7.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	24	6.2	1
Bromobenzene	ND		ug/kg	94	6.8	1
n-Butylbenzene	ND		ug/kg	47	7.9	1
sec-Butylbenzene	ND		ug/kg	47	6.9	1
tert-Butylbenzene	ND		ug/kg	94	5.6	1
o-Chlorotoluene	ND		ug/kg	94	9.0	1
p-Chlorotoluene	ND		ug/kg	94	5.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	140	47.	1
Hexachlorobutadiene	ND		ug/kg	190	8.0	1
Isopropylbenzene	ND		ug/kg	47	5.1	1
p-Isopropyltoluene	ND		ug/kg	47	5.1	1
Naphthalene	ND		ug/kg	190	31.	1
Acrylonitrile	ND		ug/kg	190	54.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-17 Date Collected: 09/10/19 13:40

Client ID: B-15 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	47	8.1	1
1,2,3-Trichlorobenzene	ND		ug/kg	94	15.	1
1,2,4-Trichlorobenzene	ND		ug/kg	94	13.	1
1,3,5-Trimethylbenzene	ND		ug/kg	94	9.1	1
1,2,4-Trimethylbenzene	ND		ug/kg	94	16.	1
1,4-Dioxane	ND		ug/kg	3800	1600	1
p-Diethylbenzene	ND		ug/kg	94	8.4	1
p-Ethyltoluene	ND		ug/kg	94	18.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	94	9.0	1
Ethyl ether	ND		ug/kg	94	16.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	240	67.	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	107		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-18
Client ID: B-15 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 16:12
Analyst: JC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.91	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.91	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.91	0.11	1
Dibromochloromethane	ND		ug/kg	0.91	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	0.24	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.91	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.91	0.50	1
Ethylbenzene	ND		ug/kg	0.91	0.13	1
Chloromethane	ND		ug/kg	3.6	0.85	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.91	0.31	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.91	0.22	1
trans-1,2-Dichloroethene	0.26	J	ug/kg	1.4	0.12	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-18 Date Collected: 09/10/19 13:50

Client ID: B-15 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	1.0	J	ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.91	0.27	1
Xylenes, Total	ND		ug/kg	0.91	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	0.16	1
1,2-Dichloroethene, Total	0.26	J	ug/kg	0.91	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.91	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.1	0.84	1
Acetone	510	E	ug/kg	9.1	4.4	1
Carbon disulfide	ND		ug/kg	9.1	4.2	1
2-Butanone	6.6	J	ug/kg	9.1	2.0	1
Vinyl acetate	ND		ug/kg	9.1	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.1	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.91	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.91	0.15	1
sec-Butylbenzene	ND		ug/kg	0.91	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.91	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.91	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.91	0.10	1
Naphthalene	ND		ug/kg	3.6	0.59	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-18 Date Collected: 09/10/19 13:50

Client ID: B-15 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.91	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	73	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	14.3	J	ug/kg			1
Silanol, Trimethyl-	5.05	NJ	ug/kg			1
iso-Propyl Alcohol	3.45	NJ	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	3.27	NJ	ug/kg			1
Unknown	2.55	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-18
Client ID: B-15 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 21:51
Analyst: NLK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	270	120	1
1,1-Dichloroethane	ND		ug/kg	53	7.7	1
Chloroform	8.7	J	ug/kg	80	7.4	1
Carbon tetrachloride	ND		ug/kg	53	12.	1
1,2-Dichloropropane	ND		ug/kg	53	6.6	1
Dibromochloromethane	ND		ug/kg	53	7.4	1
1,1,2-Trichloroethane	ND		ug/kg	53	14.	1
Tetrachloroethene	ND		ug/kg	27	10.	1
Chlorobenzene	ND		ug/kg	27	6.8	1
Trichlorofluoromethane	ND		ug/kg	210	37.	1
1,2-Dichloroethane	ND		ug/kg	53	14.	1
1,1,1-Trichloroethane	ND		ug/kg	27	8.9	1
Bromodichloromethane	ND		ug/kg	27	5.8	1
trans-1,3-Dichloropropene	ND		ug/kg	53	14.	1
cis-1,3-Dichloropropene	ND		ug/kg	27	8.4	1
1,3-Dichloropropene, Total	ND		ug/kg	27	8.4	1
1,1-Dichloropropene	ND		ug/kg	27	8.4	1
Bromoform	ND		ug/kg	210	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	27	8.8	1
Benzene	ND		ug/kg	27	8.8	1
Toluene	ND		ug/kg	53	29.	1
Ethylbenzene	ND		ug/kg	53	7.5	1
Chloromethane	ND		ug/kg	210	50.	1
Bromomethane	ND		ug/kg	110	31.	1
Vinyl chloride	ND		ug/kg	53	18.	1
Chloroethane	ND		ug/kg	110	24.	1
1,1-Dichloroethene	ND		ug/kg	53	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	80	7.3	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-18 Date Collected: 09/10/19 13:50

Client ID: B-15 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	27	7.3	1
1,2-Dichlorobenzene	ND		ug/kg	110	7.7	1
1,3-Dichlorobenzene	ND		ug/kg	110	7.9	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.1	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	ND		ug/kg	110	30.	1
o-Xylene	ND		ug/kg	53	15.	1
Xylenes, Total	ND		ug/kg	53	15.	1
cis-1,2-Dichloroethene	ND		ug/kg	53	9.3	1
1,2-Dichloroethene, Total	ND		ug/kg	53	7.3	1
Dibromomethane	ND		ug/kg	110	13.	1
Styrene	ND		ug/kg	53	10.	1
Dichlorodifluoromethane	ND		ug/kg	530	49.	1
Acetone	ND		ug/kg	530	260	1
Carbon disulfide	ND		ug/kg	530	240	1
2-Butanone	ND		ug/kg	530	120	1
Vinyl acetate	ND		ug/kg	530	110	1
4-Methyl-2-pentanone	ND		ug/kg	530	68.	1
1,2,3-Trichloropropane	ND		ug/kg	110	6.8	1
2-Hexanone	ND		ug/kg	530	63.	1
Bromochloromethane	ND		ug/kg	110	11.	1
2,2-Dichloropropane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	53	15.	1
1,3-Dichloropropane	ND		ug/kg	110	8.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	27	7.0	1
Bromobenzene	ND		ug/kg	110	7.7	1
n-Butylbenzene	ND		ug/kg	53	8.9	1
sec-Butylbenzene	ND		ug/kg	53	7.8	1
tert-Butylbenzene	ND		ug/kg	110	6.3	1
o-Chlorotoluene	ND		ug/kg	110	10.	1
p-Chlorotoluene	ND		ug/kg	110	5.7	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	53.	1
Hexachlorobutadiene	ND		ug/kg	210	9.0	1
Isopropylbenzene	ND		ug/kg	53	5.8	1
p-Isopropyltoluene	ND		ug/kg	53	5.8	1
Naphthalene	ND		ug/kg	210	34.	1
Acrylonitrile	ND		ug/kg	210	61.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-18 Date Collected: 09/10/19 13:50

Client ID: B-15 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	53	9.1	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	14.	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	10.	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	18.	1
1,4-Dioxane	ND		ug/kg	4200	1900	1
p-Diethylbenzene	ND		ug/kg	110	9.4	1
p-Ethyltoluene	ND		ug/kg	110	20.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	110	10.	1
Ethyl ether	ND		ug/kg	110	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	270	76.	1
Tentatively Identified Compounds						
Total TIC Compounds	232	J	ug/kg			1
Unknown	232	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	105		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/15/19 17:36
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,05-08 Batch: WG1284604-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.86	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/15/19 17:36
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,05-08 Batch: WG1284604-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/15/19 17:36
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,05-08 Batch: WG1284604-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds			
Total TIC Compounds	5.42	J	ug/kg
Cyclotrisiloxane, Hexamethyl-	2.73	NJ	ug/kg
Unknown	2.69	J	ug/kg

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/15/19 17:36
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,05-08 Batch: WG1284604-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	92		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03-04 Batch: WG1284782-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	38	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03-04 Batch: WG1284782-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03-04 Batch: WG1284782-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Tentatively Identified Compounds			
Total TIC Compounds	104	J	ug/kg
Cyclotrisiloxane, Hexamethyl-	104	NJ	ug/kg

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03-04 Batch: WG1284782-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	93		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,09-18 Batch: WG1284783-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.76	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,09-18 Batch: WG1284783-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,09-18 Batch: WG1284783-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds			
Total TIC Compounds	2.08	J	ug/kg
Cyclotrisiloxane, Hexamethyl-	2.08	NJ	ug/kg

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,09-18 Batch: WG1284783-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	93		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05,17-18 Batch: WG1285064-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	12	J	ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05,17-18 Batch: WG1285064-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05,17-18 Batch: WG1285064-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Tentatively Identified Compounds		
No Tentatively Identified Compounds	ND	ug/kg

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05,17-18 Batch: WG1285064-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,05-08 Batch: WG1284604-3 WG1284604-4								
Methylene chloride	89		91		70-130	2		30
1,1-Dichloroethane	104		105		70-130	1		30
Chloroform	101		103		70-130	2		30
Carbon tetrachloride	102		102		70-130	0		30
1,2-Dichloropropane	100		102		70-130	2		30
Dibromochloromethane	98		102		70-130	4		30
1,1,2-Trichloroethane	93		96		70-130	3		30
Tetrachloroethene	98		99		70-130	1		30
Chlorobenzene	99		101		70-130	2		30
Trichlorofluoromethane	103		103		70-139	0		30
1,2-Dichloroethane	100		104		70-130	4		30
1,1,1-Trichloroethane	105		106		70-130	1		30
Bromodichloromethane	101		103		70-130	2		30
trans-1,3-Dichloropropene	99		101		70-130	2		30
cis-1,3-Dichloropropene	98		100		70-130	2		30
1,1-Dichloropropene	101		101		70-130	0		30
Bromoform	87		90		70-130	3		30
1,1,2,2-Tetrachloroethane	96		99		70-130	3		30
Benzene	98		100		70-130	2		30
Toluene	99		98		70-130	1		30
Ethylbenzene	100		102		70-130	2		30
Chloromethane	128		127		52-130	1		30
Bromomethane	96		94		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,05-08 Batch: WG1284604-3 WG1284604-4								
Vinyl chloride	104		107		67-130	3		30
Chloroethane	96		95		50-151	1		30
1,1-Dichloroethene	98		98		65-135	0		30
trans-1,2-Dichloroethene	98		99		70-130	1		30
Trichloroethene	100		102		70-130	2		30
1,2-Dichlorobenzene	97		100		70-130	3		30
1,3-Dichlorobenzene	99		102		70-130	3		30
1,4-Dichlorobenzene	100		102		70-130	2		30
Methyl tert butyl ether	90		91		66-130	1		30
p/m-Xylene	101		103		70-130	2		30
o-Xylene	98		101		70-130	3		30
cis-1,2-Dichloroethene	97		97		70-130	0		30
Dibromomethane	94		97		70-130	3		30
Styrene	100		102		70-130	2		30
Dichlorodifluoromethane	110		109		30-146	1		30
Acetone	121		118		54-140	3		30
Carbon disulfide	96		95		59-130	1		30
2-Butanone	104		114		70-130	9		30
Vinyl acetate	114		119		70-130	4		30
4-Methyl-2-pentanone	96		99		70-130	3		30
1,2,3-Trichloropropane	93		98		68-130	5		30
2-Hexanone	107		110		70-130	3		30
Bromochloromethane	97		96		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,05-08 Batch: WG1284604-3 WG1284604-4								
2,2-Dichloropropane	100		101		70-130	1		30
1,2-Dibromoethane	95		99		70-130	4		30
1,3-Dichloropropane	94		98		69-130	4		30
1,1,1,2-Tetrachloroethane	101		102		70-130	1		30
Bromobenzene	92		95		70-130	3		30
n-Butylbenzene	108		111		70-130	3		30
sec-Butylbenzene	102		105		70-130	3		30
tert-Butylbenzene	100		102		70-130	2		30
o-Chlorotoluene	102		105		70-130	3		30
p-Chlorotoluene	103		106		70-130	3		30
1,2-Dibromo-3-chloropropane	84		91		68-130	8		30
Hexachlorobutadiene	91		93		67-130	2		30
Isopropylbenzene	101		103		70-130	2		30
p-Isopropyltoluene	104		106		70-130	2		30
Naphthalene	91		97		70-130	6		30
Acrylonitrile	104		108		70-130	4		30
n-Propylbenzene	104		106		70-130	2		30
1,2,3-Trichlorobenzene	96		97		70-130	1		30
1,2,4-Trichlorobenzene	98		100		70-130	2		30
1,3,5-Trimethylbenzene	102		104		70-130	2		30
1,2,4-Trimethylbenzene	103		105		70-130	2		30
1,4-Dioxane	88		95		65-136	8		30
p-Diethylbenzene	100		102		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,05-08 Batch: WG1284604-3 WG1284604-4								
p-Ethyltoluene	102		104		70-130	2		30
1,2,4,5-Tetramethylbenzene	98		100		70-130	2		30
Ethyl ether	89		92		67-130	3		30
trans-1,4-Dichloro-2-butene	111		117		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	97		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03-04 Batch: WG1284782-3 WG1284782-4								
Methylene chloride	90		93		70-130	3		30
1,1-Dichloroethane	107		108		70-130	1		30
Chloroform	105		107		70-130	2		30
Carbon tetrachloride	107		109		70-130	2		30
1,2-Dichloropropane	104		106		70-130	2		30
Dibromochloromethane	104		106		70-130	2		30
1,1,2-Trichloroethane	98		100		70-130	2		30
Tetrachloroethene	102		103		70-130	1		30
Chlorobenzene	103		104		70-130	1		30
Trichlorofluoromethane	106		106		70-139	0		30
1,2-Dichloroethane	105		108		70-130	3		30
1,1,1-Trichloroethane	109		111		70-130	2		30
Bromodichloromethane	106		110		70-130	4		30
trans-1,3-Dichloropropene	103		105		70-130	2		30
cis-1,3-Dichloropropene	102		104		70-130	2		30
1,1-Dichloropropene	104		108		70-130	4		30
Bromoform	91		95		70-130	4		30
1,1,2,2-Tetrachloroethane	100		104		70-130	4		30
Benzene	101		103		70-130	2		30
Toluene	101		103		70-130	2		30
Ethylbenzene	105		107		70-130	2		30
Chloromethane	113		113		52-130	0		30
Bromomethane	93		89		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03-04 Batch: WG1284782-3 WG1284782-4								
Vinyl chloride	96		100		67-130	4		30
Chloroethane	94		94		50-151	0		30
1,1-Dichloroethene	100		101		65-135	1		30
trans-1,2-Dichloroethene	101		102		70-130	1		30
Trichloroethene	104		105		70-130	1		30
1,2-Dichlorobenzene	100		102		70-130	2		30
1,3-Dichlorobenzene	102		105		70-130	3		30
1,4-Dichlorobenzene	102		104		70-130	2		30
Methyl tert butyl ether	92		94		66-130	2		30
p/m-Xylene	106		107		70-130	1		30
o-Xylene	102		104		70-130	2		30
cis-1,2-Dichloroethene	98		100		70-130	2		30
Dibromomethane	98		102		70-130	4		30
Styrene	104		106		70-130	2		30
Dichlorodifluoromethane	84		83		30-146	1		30
Acetone	121		134		54-140	10		30
Carbon disulfide	94		96		59-130	2		30
2-Butanone	112		112		70-130	0		30
Vinyl acetate	118		122		70-130	3		30
4-Methyl-2-pentanone	97		102		70-130	5		30
1,2,3-Trichloropropane	97		102		68-130	5		30
2-Hexanone	110		114		70-130	4		30
Bromochloromethane	100		102		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03-04 Batch: WG1284782-3 WG1284782-4								
2,2-Dichloropropane	103		105		70-130	2		30
1,2-Dibromoethane	100		102		70-130	2		30
1,3-Dichloropropane	99		101		69-130	2		30
1,1,1,2-Tetrachloroethane	106		108		70-130	2		30
Bromobenzene	95		98		70-130	3		30
n-Butylbenzene	109		112		70-130	3		30
sec-Butylbenzene	105		108		70-130	3		30
tert-Butylbenzene	102		105		70-130	3		30
o-Chlorotoluene	104		107		70-130	3		30
p-Chlorotoluene	106		109		70-130	3		30
1,2-Dibromo-3-chloropropane	88		93		68-130	6		30
Hexachlorobutadiene	88		90		67-130	2		30
Isopropylbenzene	104		107		70-130	3		30
p-Isopropyltoluene	105		108		70-130	3		30
Naphthalene	96		99		70-130	3		30
Acrylonitrile	108		114		70-130	5		30
n-Propylbenzene	107		109		70-130	2		30
1,2,3-Trichlorobenzene	97		98		70-130	1		30
1,2,4-Trichlorobenzene	100		100		70-130	0		30
1,3,5-Trimethylbenzene	104		107		70-130	3		30
1,2,4-Trimethylbenzene	105		108		70-130	3		30
1,4-Dioxane	88		90		65-136	2		30
p-Diethylbenzene	100		103		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03-04 Batch: WG1284782-3 WG1284782-4								
p-Ethyltoluene	103		106		70-130	3		30
1,2,4,5-Tetramethylbenzene	99		101		70-130	2		30
Ethyl ether	92		93		67-130	1		30
trans-1,4-Dichloro-2-butene	117		121		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		104		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	97		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,09-18 Batch: WG1284783-3 WG1284783-4								
Methylene chloride	90		93		70-130	3		30
1,1-Dichloroethane	107		108		70-130	1		30
Chloroform	105		107		70-130	2		30
Carbon tetrachloride	107		109		70-130	2		30
1,2-Dichloropropane	104		106		70-130	2		30
Dibromochloromethane	104		106		70-130	2		30
1,1,2-Trichloroethane	98		100		70-130	2		30
Tetrachloroethene	102		103		70-130	1		30
Chlorobenzene	103		104		70-130	1		30
Trichlorofluoromethane	106		106		70-139	0		30
1,2-Dichloroethane	105		108		70-130	3		30
1,1,1-Trichloroethane	109		111		70-130	2		30
Bromodichloromethane	106		110		70-130	4		30
trans-1,3-Dichloropropene	103		105		70-130	2		30
cis-1,3-Dichloropropene	102		104		70-130	2		30
1,1-Dichloropropene	104		108		70-130	4		30
Bromoform	91		95		70-130	4		30
1,1,2,2-Tetrachloroethane	100		104		70-130	4		30
Benzene	101		103		70-130	2		30
Toluene	101		103		70-130	2		30
Ethylbenzene	105		107		70-130	2		30
Chloromethane	113		113		52-130	0		30
Bromomethane	93		89		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,09-18 Batch: WG1284783-3 WG1284783-4								
Vinyl chloride	96		100		67-130	4		30
Chloroethane	94		94		50-151	0		30
1,1-Dichloroethene	100		101		65-135	1		30
trans-1,2-Dichloroethene	101		102		70-130	1		30
Trichloroethene	104		105		70-130	1		30
1,2-Dichlorobenzene	100		102		70-130	2		30
1,3-Dichlorobenzene	102		105		70-130	3		30
1,4-Dichlorobenzene	102		104		70-130	2		30
Methyl tert butyl ether	92		94		66-130	2		30
p/m-Xylene	106		107		70-130	1		30
o-Xylene	102		104		70-130	2		30
cis-1,2-Dichloroethene	98		100		70-130	2		30
Dibromomethane	98		102		70-130	4		30
Styrene	104		106		70-130	2		30
Dichlorodifluoromethane	84		83		30-146	1		30
Acetone	121		134		54-140	10		30
Carbon disulfide	94		96		59-130	2		30
2-Butanone	112		112		70-130	0		30
Vinyl acetate	118		122		70-130	3		30
4-Methyl-2-pentanone	97		102		70-130	5		30
1,2,3-Trichloropropane	97		102		68-130	5		30
2-Hexanone	110		114		70-130	4		30
Bromochloromethane	100		102		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,09-18 Batch: WG1284783-3 WG1284783-4								
2,2-Dichloropropane	103		105		70-130	2		30
1,2-Dibromoethane	100		102		70-130	2		30
1,3-Dichloropropane	99		101		69-130	2		30
1,1,1,2-Tetrachloroethane	106		108		70-130	2		30
Bromobenzene	95		98		70-130	3		30
n-Butylbenzene	109		112		70-130	3		30
sec-Butylbenzene	105		108		70-130	3		30
tert-Butylbenzene	102		105		70-130	3		30
o-Chlorotoluene	104		107		70-130	3		30
p-Chlorotoluene	106		109		70-130	3		30
1,2-Dibromo-3-chloropropane	88		93		68-130	6		30
Hexachlorobutadiene	88		90		67-130	2		30
Isopropylbenzene	104		107		70-130	3		30
p-Isopropyltoluene	105		108		70-130	3		30
Naphthalene	96		99		70-130	3		30
Acrylonitrile	108		114		70-130	5		30
n-Propylbenzene	107		109		70-130	2		30
1,2,3-Trichlorobenzene	97		98		70-130	1		30
1,2,4-Trichlorobenzene	100		100		70-130	0		30
1,3,5-Trimethylbenzene	104		107		70-130	3		30
1,2,4-Trimethylbenzene	105		108		70-130	3		30
1,4-Dioxane	88		90		65-136	2		30
p-Diethylbenzene	100		103		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,09-18 Batch: WG1284783-3 WG1284783-4								
p-Ethyltoluene	103		106		70-130	3		30
1,2,4,5-Tetramethylbenzene	99		101		70-130	2		30
Ethyl ether	92		93		67-130	1		30
trans-1,4-Dichloro-2-butene	117		121		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		104		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	97		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05,17-18 Batch: WG1285064-3 WG1285064-4								
Methylene chloride	83		83		70-130	0		30
1,1-Dichloroethane	95		94		70-130	1		30
Chloroform	102		106		70-130	4		30
Carbon tetrachloride	110		110		70-130	0		30
1,2-Dichloropropane	96		96		70-130	0		30
Dibromochloromethane	96		94		70-130	2		30
1,1,2-Trichloroethane	92		94		70-130	2		30
Tetrachloroethene	92		93		70-130	1		30
Chlorobenzene	90		88		70-130	2		30
Trichlorofluoromethane	117		114		70-139	3		30
1,2-Dichloroethane	112		114		70-130	2		30
1,1,1-Trichloroethane	106		106		70-130	0		30
Bromodichloromethane	103		104		70-130	1		30
trans-1,3-Dichloropropene	95		95		70-130	0		30
cis-1,3-Dichloropropene	98		98		70-130	0		30
1,1-Dichloropropene	98		96		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	84		82		70-130	2		30
Benzene	92		91		70-130	1		30
Toluene	91		90		70-130	1		30
Ethylbenzene	94		93		70-130	1		30
Chloromethane	79		78		52-130	1		30
Bromomethane	73		74		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05,17-18 Batch: WG1285064-3 WG1285064-4								
Vinyl chloride	69		67		67-130	3		30
Chloroethane	71		71		50-151	0		30
1,1-Dichloroethene	74		75		65-135	1		30
trans-1,2-Dichloroethene	83		84		70-130	1		30
Trichloroethene	97		97		70-130	0		30
1,2-Dichlorobenzene	87		87		70-130	0		30
1,3-Dichlorobenzene	87		87		70-130	0		30
1,4-Dichlorobenzene	87		86		70-130	1		30
Methyl tert butyl ether	92		93		66-130	1		30
p/m-Xylene	92		91		70-130	1		30
o-Xylene	92		89		70-130	3		30
cis-1,2-Dichloroethene	91		91		70-130	0		30
Dibromomethane	104		107		70-130	3		30
Styrene	91		90		70-130	1		30
Dichlorodifluoromethane	75		74		30-146	1		30
Acetone	103		103		54-140	0		30
Carbon disulfide	73		73		59-130	0		30
2-Butanone	100		92		70-130	8		30
Vinyl acetate	90		91		70-130	1		30
4-Methyl-2-pentanone	85		81		70-130	5		30
1,2,3-Trichloropropane	91		90		68-130	1		30
2-Hexanone	76		75		70-130	1		30
Bromochloromethane	95		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05,17-18 Batch: WG1285064-3 WG1285064-4								
2,2-Dichloropropane	100		103		70-130	3		30
1,2-Dibromoethane	94		91		70-130	3		30
1,3-Dichloropropane	94		91		69-130	3		30
1,1,1,2-Tetrachloroethane	91		90		70-130	1		30
Bromobenzene	83		83		70-130	0		30
n-Butylbenzene	90		90		70-130	0		30
sec-Butylbenzene	84		84		70-130	0		30
tert-Butylbenzene	81		81		70-130	0		30
o-Chlorotoluene	86		83		70-130	4		30
p-Chlorotoluene	86		84		70-130	2		30
1,2-Dibromo-3-chloropropane	84		88		68-130	5		30
Hexachlorobutadiene	90		88		67-130	2		30
Isopropylbenzene	81		80		70-130	1		30
p-Isopropyltoluene	84		83		70-130	1		30
Naphthalene	78		78		70-130	0		30
Acrylonitrile	89		87		70-130	2		30
n-Propylbenzene	86		84		70-130	2		30
1,2,3-Trichlorobenzene	88		88		70-130	0		30
1,2,4-Trichlorobenzene	88		88		70-130	0		30
1,3,5-Trimethylbenzene	85		82		70-130	4		30
1,2,4-Trimethylbenzene	84		84		70-130	0		30
1,4-Dioxane	119		93		65-136	25		30
p-Diethylbenzene	83		82		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05,17-18 Batch: WG1285064-3 WG1285064-4								
p-Ethyltoluene	84		83		70-130	1		30
1,2,4,5-Tetramethylbenzene	82		80		70-130	2		30
Ethyl ether	70		69		67-130	1		30
trans-1,4-Dichloro-2-butene	86		85		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		112		70-130
Toluene-d8	92		91		70-130
4-Bromofluorobenzene	87		85		70-130
Dibromofluoromethane	100		102		70-130

SEMIVOLATILES

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-01
Client ID: B-2 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 09:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/16/19 23:36
Analyst: SZ
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-01 Date Collected: 09/10/19 09:40

Client ID: B-2 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	830	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-01
Client ID: B-2 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 09:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1
Tentatively Identified Compounds						
Total TIC Compounds	178	J	ug/kg			1
Unknown	178	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	61		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-02
Client ID: B-2 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 09:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/16/19 23:59
Analyst: SZ
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-02 Date Collected: 09/10/19 09:45

Client ID: B-2 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	150	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	69.	1
4-Nitrophenol	ND		ug/kg	260	74.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-02
Client ID: B-2 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 09:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	58		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-03
Client ID: B-7 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 05:19
Analyst: SZ
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	63	J	ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-03 Date Collected: 09/10/19 10:20

Client ID: B-7 (1-2) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	34	J	ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	36	J	ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	37	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	53	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	50	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-03
Client ID: B-7 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1
Tentatively Identified Compounds						
Total TIC Compounds	3540	J	ug/kg			1
Unknown	1130	J	ug/kg			1
Tetrachloroethene	652	NJ	ug/kg			1
Unknown	1170	J	ug/kg			1
Unknown	298	J	ug/kg			1
Unknown	292	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	64		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-04
Client ID: B-16 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 01:54
Analyst: SZ
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-04 Date Collected: 09/10/19 10:30

Client ID: B-16 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	830	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-04
Client ID: B-16 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	52		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-05
Client ID: B-16 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:35
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 03:02
Analyst: SZ
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	30	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-05 Date Collected: 09/10/19 10:35

Client ID: B-16 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	25	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-05
Client ID: B-16 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:35
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	58		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-06
Client ID: B-1 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 04:57
Analyst: SZ
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	26	J	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-06 Date Collected: 09/10/19 10:40

Client ID: B-1 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	22	J	ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	36	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	22	J	ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	110	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	24	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-06 Date Collected: 09/10/19 10:40

Client ID: B-1 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1
Tentatively Identified Compounds						
Total TIC Compounds	658	J	ug/kg			1
Unknown	336	J	ug/kg			1
Unknown	322	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	54		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-07
Client ID: B-1 (5-6)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 01:08
Analyst: SZ
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	31.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	46.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	60.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-07 Date Collected: 09/10/19 11:10

Client ID: B-1 (5-6) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	72.	1
Dibenzofuran	ND		ug/kg	180	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-07 Date Collected: 09/10/19 11:10

Client ID: B-1 (5-6) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.0	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	57		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-08
Client ID: B-1 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 02:17
Analyst: SZ
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-08 Date Collected: 09/10/19 11:20

Client ID: B-1 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-08 Date Collected: 09/10/19 11:20

Client ID: B-1 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	65		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-09
Client ID: B-11 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 01:31
Analyst: SZ
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-09 Date Collected: 09/10/19 11:55

Client ID: B-11 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-09 Date Collected: 09/10/19 11:55

Client ID: B-11 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	61		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-10
Client ID: B-11 (0-1)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 06:05
Analyst: SZ
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	590		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	38	J	ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-10 Date Collected: 09/10/19 11:50

Client ID: B-11 (0-1) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	310		ug/kg	120	23.	1
Benzo(a)pyrene	240		ug/kg	160	50.	1
Benzo(b)fluoranthene	370		ug/kg	120	34.	1
Benzo(k)fluoranthene	120		ug/kg	120	32.	1
Chrysene	340		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	46	J	ug/kg	120	40.	1
Benzo(ghi)perylene	170		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	330		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	47	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	180		ug/kg	160	28.	1
Pyrene	470		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	27	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	97.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-10 Date Collected: 09/10/19 11:50

Client ID: B-11 (0-1) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	60	J	ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.3	1
Tentatively Identified Compounds						
Total TIC Compounds	3970	J	ug/kg			1
Unknown	842	J	ug/kg			1
Unknown PAH	203	J	ug/kg			1
Unknown	832	J	ug/kg			1
Tetrachloroethene	960	NJ	ug/kg			1
Unknown	954	J	ug/kg			1
Unknown	181	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	51		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-11
Client ID: B-6 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 03:48
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-11 Date Collected: 09/10/19 12:55

Client ID: B-6 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-11 Date Collected: 09/10/19 12:55

Client ID: B-6 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
Total TIC Compounds	629	J	ug/kg			1
Unknown	318	J	ug/kg			1
Unknown	311	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	56		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-12
Client ID: B-6 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 00:22
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-12 Date Collected: 09/10/19 12:50

Client ID: B-6 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-12
Client ID: B-6 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	59		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-13
Client ID: B-6 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 02:39
Analyst: SZ
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-13 Date Collected: 09/10/19 12:40

Client ID: B-6 (1-2) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-13 Date Collected: 09/10/19 12:40

Client ID: B-6 (1-2) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.4	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	51		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-14
Client ID: B-10 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 06:51
Analyst: SZ
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	31	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	960		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-14 Date Collected: 09/10/19 13:20

Client ID: B-10 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	420		ug/kg	110	21.	1
Benzo(a)pyrene	380		ug/kg	150	45.	1
Benzo(b)fluoranthene	530		ug/kg	110	31.	1
Benzo(k)fluoranthene	160		ug/kg	110	29.	1
Chrysene	440		ug/kg	110	19.	1
Acenaphthylene	98	J	ug/kg	150	28.	1
Anthracene	120		ug/kg	110	36.	1
Benzo(ghi)perylene	260		ug/kg	150	22.	1
Fluorene	46	J	ug/kg	180	18.	1
Phenanthrene	640		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	59	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	270		ug/kg	150	26.	1
Pyrene	860		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	29	J	ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-14 Date Collected: 09/10/19 13:20

Client ID: B-10 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	47	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	3580	J	ug/kg			1
Unknown PAH	183	J	ug/kg			1
Unknown	394	J	ug/kg			1
Unknown Phenol	2500	J	ug/kg			1
Unknown PAH	154	J	ug/kg			1
Unknown	184	J	ug/kg			1
Unknown	160	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	47		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-15
Client ID: B-10 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:25
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 07:14
Analyst: SZ
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	65	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	2900		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	100	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-15 Date Collected: 09/10/19 13:25

Client ID: B-10 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	1400		ug/kg	110	21.	1
Benzo(a)pyrene	1400		ug/kg	150	46.	1
Benzo(b)fluoranthene	1800		ug/kg	110	32.	1
Benzo(k)fluoranthene	660		ug/kg	110	30.	1
Chrysene	1500		ug/kg	110	19.	1
Acenaphthylene	380		ug/kg	150	29.	1
Anthracene	320		ug/kg	110	36.	1
Benzo(ghi)perylene	1000		ug/kg	150	22.	1
Fluorene	93	J	ug/kg	190	18.	1
Phenanthrene	1300		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	220		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	1000		ug/kg	150	26.	1
Pyrene	2700		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	71	J	ug/kg	190	18.	1
2-Methylnaphthalene	33	J	ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-15
Client ID: B-10 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:25
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	130	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1
Tentatively Identified Compounds						
Total TIC Compounds	5290	J	ug/kg			1
Unknown	220	J	ug/kg			1
Unknown PAH	306	J	ug/kg			1
Unknown PAH	400	J	ug/kg			1
Unknown PAH	229	J	ug/kg			1
Unknown PAH	303	J	ug/kg			1
Unknown PAH	390	J	ug/kg			1
Unknown	1280	J	ug/kg			1
Unknown PAH	196	J	ug/kg			1
Unknown PAH	262	J	ug/kg			1
Unknown PAH	269	J	ug/kg			1
Unknown PAH	497	J	ug/kg			1
Unknown PAH	335	J	ug/kg			1
Vanillin	189	NJ	ug/kg			1
Unknown PAH	184	J	ug/kg			1
Unknown PAH	225	J	ug/kg			1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-15 Date Collected: 09/10/19 13:25

Client ID: B-10 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	95		25-120
Phenol-d6	108		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	110		10-136
4-Terphenyl-d14	70		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-16
Client ID: B-10 (11-12)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 00:45
Analyst: SZ
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-16 Date Collected: 09/10/19 13:30

Client ID: B-10 (11-12) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-16 Date Collected: 09/10/19 13:30

Client ID: B-10 (11-12) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	56		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-17
Client ID: B-15 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 07:37
Analyst: SZ
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	320		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	170	J	ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-17 Date Collected: 09/10/19 13:40

Client ID: B-15 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	180		ug/kg	110	20.	1
Benzo(a)pyrene	170		ug/kg	140	44.	1
Benzo(b)fluoranthene	220		ug/kg	110	30.	1
Benzo(k)fluoranthene	70	J	ug/kg	110	29.	1
Chrysene	200		ug/kg	110	19.	1
Acenaphthylene	38	J	ug/kg	140	28.	1
Anthracene	38	J	ug/kg	110	35.	1
Benzo(ghi)perylene	120	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	130		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	37	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	140	25.	1
Pyrene	300		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-17
Client ID: B-15 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
Total TIC Compounds	2010	J	ug/kg			1
Unknown Phenol	1710	J	ug/kg			1
Unknown Alkane	298	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	46		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-18
Client ID: B-15 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 05:42
Analyst: SZ
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	27	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-18 Date Collected: 09/10/19 13:50

Client ID: B-15 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	22	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	23	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	ND		ug/kg	180	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-18 Date Collected: 09/10/19 13:50

Client ID: B-15 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1
Tentatively Identified Compounds						
Total TIC Compounds	6920	J	ug/kg			1
Unknown	415	J	ug/kg			1
Unknown Phenol	4080	J	ug/kg			1
Unknown	316	J	ug/kg			1
Unknown	249	J	ug/kg			1
Unknown	406	J	ug/kg			1
Unknown	207	J	ug/kg			1
Unknown	268	J	ug/kg			1
Unknown	233	J	ug/kg			1
Unknown	498	J	ug/kg			1
Unknown	243	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	112		25-120
Phenol-d6	**122**	Q	10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	110		30-120
2,4,6-Tribromophenol	**152**	Q	10-136
4-Terphenyl-d14	91		18-120

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/19 00:01
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/11/19 22:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 15-18 Batch: WG1283045-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/19 00:01
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/11/19 22:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 15-18 Batch: WG1283045-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/19 00:01
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/11/19 22:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 15-18 Batch: WG1283045-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	94		18-120

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/16/19 21:42
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-14 Batch: WG1283515-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.
Hexachlorobenzene	ND		ug/kg	100	19.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
1,2-Dichlorobenzene	ND		ug/kg	170	30.
1,3-Dichlorobenzene	ND		ug/kg	170	28.
1,4-Dichlorobenzene	ND		ug/kg	170	29.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	480	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	57.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	31.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/16/19 21:42
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-14 Batch: WG1283515-1					
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/16/19 21:42
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-14 Batch: WG1283515-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	16.
1,4-Dioxane	ND		ug/kg	25	7.6
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	98		25-120
Phenol-d6	104		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	119		10-136
4-Terphenyl-d14	89		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-18 Batch: WG1283045-2 WG1283045-3								
Acenaphthene	71		71		31-137	0		50
1,2,4-Trichlorobenzene	72		69		38-107	4		50
Hexachlorobenzene	73		71		40-140	3		50
Bis(2-chloroethyl)ether	64		59		40-140	8		50
2-Chloronaphthalene	80		76		40-140	5		50
1,2-Dichlorobenzene	72		67		40-140	7		50
1,3-Dichlorobenzene	66		66		40-140	0		50
1,4-Dichlorobenzene	68		63		28-104	8		50
3,3'-Dichlorobenzidine	54		54		40-140	0		50
2,4-Dinitrotoluene	91		92		40-132	1		50
2,6-Dinitrotoluene	91		92		40-140	1		50
Fluoranthene	78		76		40-140	3		50
4-Chlorophenyl phenyl ether	76		77		40-140	1		50
4-Bromophenyl phenyl ether	77		75		40-140	3		50
Bis(2-chloroisopropyl)ether	57		53		40-140	7		50
Bis(2-chloroethoxy)methane	70		67		40-117	4		50
Hexachlorobutadiene	75		77		40-140	3		50
Hexachlorocyclopentadiene	63		64		40-140	2		50
Hexachloroethane	70		68		40-140	3		50
Isophorone	73		72		40-140	1		50
Naphthalene	72		72		40-140	0		50
Nitrobenzene	83		77		40-140	8		50
NDPA/DPA	77		77		36-157	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-18 Batch: WG1283045-2 WG1283045-3								
n-Nitrosodi-n-propylamine	75		75		32-121	0		50
Bis(2-ethylhexyl)phthalate	86		86		40-140	0		50
Butyl benzyl phthalate	90		89		40-140	1		50
Di-n-butylphthalate	82		82		40-140	0		50
Di-n-octylphthalate	86		89		40-140	3		50
Diethyl phthalate	80		81		40-140	1		50
Dimethyl phthalate	85		82		40-140	4		50
Benzo(a)anthracene	72		73		40-140	1		50
Benzo(a)pyrene	74		75		40-140	1		50
Benzo(b)fluoranthene	78		81		40-140	4		50
Benzo(k)fluoranthene	74		74		40-140	0		50
Chrysene	71		70		40-140	1		50
Acenaphthylene	80		75		40-140	6		50
Anthracene	74		73		40-140	1		50
Benzo(ghi)perylene	77		77		40-140	0		50
Fluorene	75		78		40-140	4		50
Phenanthrene	71		70		40-140	1		50
Dibenzo(a,h)anthracene	74		74		40-140	0		50
Indeno(1,2,3-cd)pyrene	77		78		40-140	1		50
Pyrene	76		74		35-142	3		50
Biphenyl	82		78		37-127	5		50
4-Chloroaniline	57		58		40-140	2		50
2-Nitroaniline	100		92		47-134	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-18 Batch: WG1283045-2 WG1283045-3								
3-Nitroaniline	70		71		26-129	1		50
4-Nitroaniline	78		85		41-125	9		50
Dibenzofuran	75		76		40-140	1		50
2-Methylnaphthalene	76		73		40-140	4		50
1,2,4,5-Tetrachlorobenzene	79		76		40-117	4		50
Acetophenone	76		74		14-144	3		50
2,4,6-Trichlorophenol	78		79		30-130	1		50
p-Chloro-m-cresol	89		89		26-103	0		50
2-Chlorophenol	75		69		25-102	8		50
2,4-Dichlorophenol	79		76		30-130	4		50
2,4-Dimethylphenol	86		79		30-130	8		50
2-Nitrophenol	95		90		30-130	5		50
4-Nitrophenol	107		104		11-114	3		50
2,4-Dinitrophenol	83		85		4-130	2		50
4,6-Dinitro-o-cresol	102		101		10-130	1		50
Pentachlorophenol	72		74		17-109	3		50
Phenol	72		69		26-90	4		50
2-Methylphenol	77		74		30-130.	4		50
3-Methylphenol/4-Methylphenol	76		70		30-130	8		50
2,4,5-Trichlorophenol	81		81		30-130	0		50
Benzoic Acid	24		24		10-110	0		50
Benzyl Alcohol	83		77		40-140	8		50
Carbazole	74		73		54-128	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-18 Batch: WG1283045-2 WG1283045-3								
1,4-Dioxane	48		47		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		74		25-120
Phenol-d6	83		78		10-120
Nitrobenzene-d5	91		88		23-120
2-Fluorobiphenyl	87		82		30-120
2,4,6-Tribromophenol	83		84		10-136
4-Terphenyl-d14	82		80		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG1283515-2 WG1283515-3								
Acenaphthene	74		68		31-137	8		50
1,2,4-Trichlorobenzene	80		80		38-107	0		50
Hexachlorobenzene	85		78		40-140	9		50
Bis(2-chloroethyl)ether	72		72		40-140	0		50
2-Chloronaphthalene	84		81		40-140	4		50
1,2-Dichlorobenzene	75		80		40-140	6		50
1,3-Dichlorobenzene	73		78		40-140	7		50
1,4-Dichlorobenzene	73		79		28-104	8		50
3,3'-Dichlorobenzidine	66		63		40-140	5		50
2,4-Dinitrotoluene	90		83		40-132	8		50
2,6-Dinitrotoluene	99		95		40-140	4		50
Fluoranthene	80		72		40-140	11		50
4-Chlorophenyl phenyl ether	77		70		40-140	10		50
4-Bromophenyl phenyl ether	84		76		40-140	10		50
Bis(2-chloroisopropyl)ether	69		69		40-140	0		50
Bis(2-chloroethoxy)methane	78		77		40-117	1		50
Hexachlorobutadiene	81		80		40-140	1		50
Hexachlorocyclopentadiene	58		51		40-140	13		50
Hexachloroethane	75		81		40-140	8		50
Isophorone	82		81		40-140	1		50
Naphthalene	76		75		40-140	1		50
Nitrobenzene	80		81		40-140	1		50
NDPA/DPA	81		75		36-157	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG1283515-2 WG1283515-3								
n-Nitrosodi-n-propylamine	80		80		32-121	0		50
Bis(2-ethylhexyl)phthalate	78		71		40-140	9		50
Butyl benzyl phthalate	89		81		40-140	9		50
Di-n-butylphthalate	82		74		40-140	10		50
Di-n-octylphthalate	78		71		40-140	9		50
Diethyl phthalate	84		77		40-140	9		50
Dimethyl phthalate	94		86		40-140	9		50
Benzo(a)anthracene	73		67		40-140	9		50
Benzo(a)pyrene	74		68		40-140	8		50
Benzo(b)fluoranthene	76		72		40-140	5		50
Benzo(k)fluoranthene	79		70		40-140	12		50
Chrysene	73		67		40-140	9		50
Acenaphthylene	86		79		40-140	8		50
Anthracene	77		70		40-140	10		50
Benzo(ghi)perylene	76		69		40-140	10		50
Fluorene	79		74		40-140	7		50
Phenanthrene	73		66		40-140	10		50
Dibenzo(a,h)anthracene	78		70		40-140	11		50
Indeno(1,2,3-cd)pyrene	79		70		40-140	12		50
Pyrene	78		71		35-142	9		50
Biphenyl	83		79		37-127	5		50
4-Chloroaniline	78		67		40-140	15		50
2-Nitroaniline	96		88		47-134	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG1283515-2 WG1283515-3								
3-Nitroaniline	68		66		26-129	3		50
4-Nitroaniline	77		72		41-125	7		50
Dibenzofuran	75		71		40-140	5		50
2-Methylnaphthalene	82		79		40-140	4		50
1,2,4,5-Tetrachlorobenzene	84		79		40-117	6		50
Acetophenone	81		81		14-144	0		50
2,4,6-Trichlorophenol	90		83		30-130	8		50
p-Chloro-m-cresol	90		83		26-103	8		50
2-Chlorophenol	82		80		25-102	2		50
2,4-Dichlorophenol	91		86		30-130	6		50
2,4-Dimethylphenol	91		87		30-130	4		50
2-Nitrophenol	90		87		30-130	3		50
4-Nitrophenol	94		85		11-114	10		50
2,4-Dinitrophenol	72		55		4-130	27		50
4,6-Dinitro-o-cresol	92		80		10-130	14		50
Pentachlorophenol	70		62		17-109	12		50
Phenol	79		77		26-90	3		50
2-Methylphenol	83		82		30-130.	1		50
3-Methylphenol/4-Methylphenol	91		88		30-130	3		50
2,4,5-Trichlorophenol	94		87		30-130	8		50
Benzoic Acid	40		25		10-110	46		50
Benzyl Alcohol	83		80		40-140	4		50
Carbazole	78		70		54-128	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG1283515-2 WG1283515-3								
1,4-Dioxane	51		59		40-140	15		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		77		25-120
Phenol-d6	78		78		10-120
Nitrobenzene-d5	63		65		23-120
2-Fluorobiphenyl	65		63		30-120
2,4,6-Tribromophenol	89		84		10-136
4-Terphenyl-d14	62		57		18-120

PCBS

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-01
Client ID: B-2 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 09:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 12:30
Analyst: AWS
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.8	3.00	1	A
Aroclor 1221	ND		ug/kg	33.8	3.38	1	A
Aroclor 1232	ND		ug/kg	33.8	7.16	1	A
Aroclor 1242	ND		ug/kg	33.8	4.55	1	A
Aroclor 1248	ND		ug/kg	33.8	5.06	1	A
Aroclor 1254	ND		ug/kg	33.8	3.69	1	A
Aroclor 1260	ND		ug/kg	33.8	6.24	1	A
Aroclor 1262	ND		ug/kg	33.8	4.29	1	A
Aroclor 1268	ND		ug/kg	33.8	3.50	1	A
PCBs, Total	ND		ug/kg	33.8	3.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-02
Client ID: B-2 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 09:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 12:42
Analyst: AWS
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	3.16	1	A
Aroclor 1221	ND		ug/kg	35.6	3.57	1	A
Aroclor 1232	ND		ug/kg	35.6	7.56	1	A
Aroclor 1242	ND		ug/kg	35.6	4.80	1	A
Aroclor 1248	ND		ug/kg	35.6	5.35	1	A
Aroclor 1254	ND		ug/kg	35.6	3.90	1	A
Aroclor 1260	ND		ug/kg	35.6	6.59	1	A
Aroclor 1262	ND		ug/kg	35.6	4.53	1	A
Aroclor 1268	ND		ug/kg	35.6	3.69	1	A
PCBs, Total	ND		ug/kg	35.6	3.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-03
Client ID: B-7 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 12:54
Analyst: AWS
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.2	3.39	1	A
Aroclor 1221	ND		ug/kg	38.2	3.83	1	A
Aroclor 1232	ND		ug/kg	38.2	8.10	1	A
Aroclor 1242	ND		ug/kg	38.2	5.15	1	A
Aroclor 1248	ND		ug/kg	38.2	5.73	1	A
Aroclor 1254	ND		ug/kg	38.2	4.18	1	A
Aroclor 1260	12.9	J	ug/kg	38.2	7.06	1	B
Aroclor 1262	ND		ug/kg	38.2	4.85	1	A
Aroclor 1268	ND		ug/kg	38.2	3.96	1	A
PCBs, Total	12.9	J	ug/kg	38.2	3.39	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-04
Client ID: B-16 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 13:06
Analyst: AWS
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.4	3.06	1	A
Aroclor 1221	ND		ug/kg	34.4	3.45	1	A
Aroclor 1232	ND		ug/kg	34.4	7.30	1	A
Aroclor 1242	ND		ug/kg	34.4	4.64	1	A
Aroclor 1248	ND		ug/kg	34.4	5.16	1	A
Aroclor 1254	ND		ug/kg	34.4	3.77	1	A
Aroclor 1260	ND		ug/kg	34.4	6.36	1	A
Aroclor 1262	ND		ug/kg	34.4	4.37	1	A
Aroclor 1268	ND		ug/kg	34.4	3.57	1	A
PCBs, Total	ND		ug/kg	34.4	3.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-05
Client ID: B-16 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:35
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 13:17
Analyst: AWS
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.10	1	A
Aroclor 1221	ND		ug/kg	35.0	3.50	1	A
Aroclor 1232	ND		ug/kg	35.0	7.41	1	A
Aroclor 1242	ND		ug/kg	35.0	4.71	1	A
Aroclor 1248	ND		ug/kg	35.0	5.24	1	A
Aroclor 1254	ND		ug/kg	35.0	3.82	1	A
Aroclor 1260	ND		ug/kg	35.0	6.46	1	A
Aroclor 1262	ND		ug/kg	35.0	4.44	1	A
Aroclor 1268	ND		ug/kg	35.0	3.62	1	A
PCBs, Total	ND		ug/kg	35.0	3.10	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-06
Client ID: B-1 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 13:29
Analyst: AWS
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.2	3.04	1	A
Aroclor 1221	ND		ug/kg	34.2	3.42	1	A
Aroclor 1232	ND		ug/kg	34.2	7.25	1	A
Aroclor 1242	ND		ug/kg	34.2	4.61	1	A
Aroclor 1248	ND		ug/kg	34.2	5.13	1	A
Aroclor 1254	ND		ug/kg	34.2	3.74	1	A
Aroclor 1260	ND		ug/kg	34.2	6.32	1	A
Aroclor 1262	ND		ug/kg	34.2	4.34	1	A
Aroclor 1268	ND		ug/kg	34.2	3.54	1	A
PCBs, Total	ND		ug/kg	34.2	3.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-07
Client ID: B-1 (5-6)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 13:41
Analyst: AWS
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:49
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.0	3.01	1	A
Aroclor 1221	ND		ug/kg	34.0	3.40	1	A
Aroclor 1232	ND		ug/kg	34.0	7.20	1	A
Aroclor 1242	ND		ug/kg	34.0	4.58	1	A
Aroclor 1248	ND		ug/kg	34.0	5.09	1	A
Aroclor 1254	ND		ug/kg	34.0	3.71	1	A
Aroclor 1260	ND		ug/kg	34.0	6.27	1	A
Aroclor 1262	ND		ug/kg	34.0	4.31	1	A
Aroclor 1268	ND		ug/kg	34.0	3.52	1	A
PCBs, Total	ND		ug/kg	34.0	3.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-08
Client ID: B-1 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 13:53
Analyst: AWS
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:49
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.5	2.97	1	A
Aroclor 1221	ND		ug/kg	33.5	3.36	1	A
Aroclor 1232	ND		ug/kg	33.5	7.10	1	A
Aroclor 1242	ND		ug/kg	33.5	4.51	1	A
Aroclor 1248	ND		ug/kg	33.5	5.02	1	A
Aroclor 1254	ND		ug/kg	33.5	3.66	1	A
Aroclor 1260	ND		ug/kg	33.5	6.19	1	A
Aroclor 1262	ND		ug/kg	33.5	4.25	1	A
Aroclor 1268	ND		ug/kg	33.5	3.47	1	A
PCBs, Total	ND		ug/kg	33.5	2.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-09
Client ID: B-11 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/15/19 12:59
Analyst: AWS
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 19:27
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	3.16	1	A
Aroclor 1221	ND		ug/kg	35.6	3.56	1	A
Aroclor 1232	ND		ug/kg	35.6	7.54	1	A
Aroclor 1242	ND		ug/kg	35.6	4.80	1	A
Aroclor 1248	ND		ug/kg	35.6	5.34	1	A
Aroclor 1254	ND		ug/kg	35.6	3.89	1	A
Aroclor 1260	ND		ug/kg	35.6	6.58	1	A
Aroclor 1262	ND		ug/kg	35.6	4.52	1	A
Aroclor 1268	ND		ug/kg	35.6	3.69	1	A
PCBs, Total	ND		ug/kg	35.6	3.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-10
Client ID: B-11 (0-1)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 14:16
Analyst: AWS
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:49
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.6	3.51	1	A
Aroclor 1221	ND		ug/kg	39.6	3.96	1	A
Aroclor 1232	ND		ug/kg	39.6	8.39	1	A
Aroclor 1242	ND		ug/kg	39.6	5.34	1	A
Aroclor 1248	ND		ug/kg	39.6	5.94	1	A
Aroclor 1254	ND		ug/kg	39.6	4.33	1	A
Aroclor 1260	ND		ug/kg	39.6	7.31	1	A
Aroclor 1262	ND		ug/kg	39.6	5.03	1	A
Aroclor 1268	ND		ug/kg	39.6	4.10	1	A
PCBs, Total	ND		ug/kg	39.6	3.51	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-11
Client ID: B-6 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 14:28
Analyst: AWS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:49
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.10	1	A
Aroclor 1221	ND		ug/kg	35.0	3.50	1	A
Aroclor 1232	ND		ug/kg	35.0	7.41	1	A
Aroclor 1242	ND		ug/kg	35.0	4.71	1	A
Aroclor 1248	ND		ug/kg	35.0	5.24	1	A
Aroclor 1254	ND		ug/kg	35.0	3.82	1	A
Aroclor 1260	ND		ug/kg	35.0	6.46	1	A
Aroclor 1262	ND		ug/kg	35.0	4.44	1	A
Aroclor 1268	ND		ug/kg	35.0	3.62	1	A
PCBs, Total	ND		ug/kg	35.0	3.10	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-12
Client ID: B-6 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 15:27
Analyst: AWS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:49
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	3.16	1	A
Aroclor 1221	ND		ug/kg	35.5	3.56	1	A
Aroclor 1232	ND		ug/kg	35.5	7.53	1	A
Aroclor 1242	ND		ug/kg	35.5	4.79	1	A
Aroclor 1248	ND		ug/kg	35.5	5.33	1	A
Aroclor 1254	ND		ug/kg	35.5	3.89	1	A
Aroclor 1260	ND		ug/kg	35.5	6.57	1	A
Aroclor 1262	ND		ug/kg	35.5	4.51	1	A
Aroclor 1268	ND		ug/kg	35.5	3.68	1	A
PCBs, Total	ND		ug/kg	35.5	3.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-13
Client ID: B-6 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 15:39
Analyst: AWS
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:49
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.0	3.19	1	A
Aroclor 1221	ND		ug/kg	36.0	3.60	1	A
Aroclor 1232	ND		ug/kg	36.0	7.62	1	A
Aroclor 1242	ND		ug/kg	36.0	4.85	1	A
Aroclor 1248	ND		ug/kg	36.0	5.40	1	A
Aroclor 1254	ND		ug/kg	36.0	3.93	1	A
Aroclor 1260	ND		ug/kg	36.0	6.65	1	A
Aroclor 1262	ND		ug/kg	36.0	4.57	1	A
Aroclor 1268	ND		ug/kg	36.0	3.73	1	A
PCBs, Total	ND		ug/kg	36.0	3.19	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-14
Client ID: B-10 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 21:44
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:49
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	3.18	1	A
Aroclor 1221	ND		ug/kg	35.8	3.59	1	A
Aroclor 1232	ND		ug/kg	35.8	7.59	1	A
Aroclor 1242	ND		ug/kg	35.8	4.83	1	A
Aroclor 1248	ND		ug/kg	35.8	5.37	1	A
Aroclor 1254	13.9	J	ug/kg	35.8	3.92	1	B
Aroclor 1260	6.94	J	ug/kg	35.8	6.62	1	A
Aroclor 1262	ND		ug/kg	35.8	4.55	1	A
Aroclor 1268	ND		ug/kg	35.8	3.71	1	A
PCBs, Total	20.8	J	ug/kg	35.8	3.18	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-15
Client ID: B-10 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:25
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/13/19 19:39
Analyst: AWS
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 07:04
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.5	3.24	1	A
Aroclor 1221	ND		ug/kg	36.5	3.66	1	A
Aroclor 1232	ND		ug/kg	36.5	7.74	1	A
Aroclor 1242	ND		ug/kg	36.5	4.92	1	A
Aroclor 1248	ND		ug/kg	36.5	5.48	1	A
Aroclor 1254	23.0	J	ug/kg	36.5	4.00	1	A
Aroclor 1260	16.6	J	ug/kg	36.5	6.75	1	A
Aroclor 1262	ND		ug/kg	36.5	4.64	1	A
Aroclor 1268	12.3	J	ug/kg	36.5	3.78	1	A
PCBs, Total	51.9	J	ug/kg	36.5	3.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-16
Client ID: B-10 (11-12)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/13/19 19:51
Analyst: AWS
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 07:04
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.11	1	A
Aroclor 1221	ND		ug/kg	35.0	3.51	1	A
Aroclor 1232	ND		ug/kg	35.0	7.43	1	A
Aroclor 1242	ND		ug/kg	35.0	4.72	1	A
Aroclor 1248	ND		ug/kg	35.0	5.25	1	A
Aroclor 1254	ND		ug/kg	35.0	3.83	1	A
Aroclor 1260	ND		ug/kg	35.0	6.47	1	A
Aroclor 1262	ND		ug/kg	35.0	4.45	1	A
Aroclor 1268	ND		ug/kg	35.0	3.63	1	A
PCBs, Total	ND		ug/kg	35.0	3.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-17
Client ID: B-15 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/13/19 20:03
Analyst: AWS
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 07:04
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	3.18	1	A
Aroclor 1221	ND		ug/kg	35.8	3.59	1	A
Aroclor 1232	ND		ug/kg	35.8	7.59	1	A
Aroclor 1242	ND		ug/kg	35.8	4.83	1	A
Aroclor 1248	ND		ug/kg	35.8	5.37	1	A
Aroclor 1254	ND		ug/kg	35.8	3.92	1	A
Aroclor 1260	ND		ug/kg	35.8	6.62	1	A
Aroclor 1262	ND		ug/kg	35.8	4.55	1	A
Aroclor 1268	ND		ug/kg	35.8	3.71	1	A
PCBs, Total	ND		ug/kg	35.8	3.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-18
Client ID: B-15 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/13/19 20:14
Analyst: AWS
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 07:04
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	3.18	1	A
Aroclor 1221	ND		ug/kg	35.8	3.59	1	A
Aroclor 1232	ND		ug/kg	35.8	7.60	1	A
Aroclor 1242	ND		ug/kg	35.8	4.83	1	A
Aroclor 1248	ND		ug/kg	35.8	5.38	1	A
Aroclor 1254	ND		ug/kg	35.8	3.92	1	A
Aroclor 1260	7.37	J	ug/kg	35.8	6.62	1	A
Aroclor 1262	ND		ug/kg	35.8	4.55	1	A
Aroclor 1268	ND		ug/kg	35.8	3.71	1	A
PCBs, Total	7.37	J	ug/kg	35.8	3.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/14/19 14:40
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-08,10-14 Batch: WG1283136-1						
Aroclor 1016	ND		ug/kg	31.5	2.80	A
Aroclor 1221	ND		ug/kg	31.5	3.16	A
Aroclor 1232	ND		ug/kg	31.5	6.68	A
Aroclor 1242	ND		ug/kg	31.5	4.25	A
Aroclor 1248	ND		ug/kg	31.5	4.72	A
Aroclor 1254	ND		ug/kg	31.5	3.45	A
Aroclor 1260	ND		ug/kg	31.5	5.82	A
Aroclor 1262	ND		ug/kg	31.5	4.00	A
Aroclor 1268	ND		ug/kg	31.5	3.26	A
PCBs, Total	ND		ug/kg	31.5	2.80	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/13/19 13:25
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 09/12/19 07:04
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 15-18 Batch: WG1283156-1						
Aroclor 1016	ND		ug/kg	31.4	2.79	A
Aroclor 1221	ND		ug/kg	31.4	3.15	A
Aroclor 1232	ND		ug/kg	31.4	6.66	A
Aroclor 1242	ND		ug/kg	31.4	4.23	A
Aroclor 1248	ND		ug/kg	31.4	4.71	A
Aroclor 1254	ND		ug/kg	31.4	3.44	A
Aroclor 1260	ND		ug/kg	31.4	5.80	A
Aroclor 1262	ND		ug/kg	31.4	3.99	A
Aroclor 1268	ND		ug/kg	31.4	3.25	A
PCBs, Total	ND		ug/kg	31.4	2.79	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/15/19 12:22
Analyst: AWS

Extraction Method: EPA 3546
Extraction Date: 09/14/19 17:34
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 09 Batch: WG1284265-1						
Aroclor 1016	ND		ug/kg	32.2	2.86	A
Aroclor 1221	ND		ug/kg	32.2	3.23	A
Aroclor 1232	ND		ug/kg	32.2	6.83	A
Aroclor 1242	ND		ug/kg	32.2	4.34	A
Aroclor 1248	ND		ug/kg	32.2	4.84	A
Aroclor 1254	ND		ug/kg	32.2	3.53	A
Aroclor 1260	ND		ug/kg	32.2	5.96	A
Aroclor 1262	ND		ug/kg	32.2	4.09	A
Aroclor 1268	ND		ug/kg	32.2	3.34	A
PCBs, Total	ND		ug/kg	32.2	2.86	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	91		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08,10-14 Batch: WG1283136-2 WG1283136-3									
Aroclor 1016	69		72		40-140	4		50	A
Aroclor 1260	83		73		40-140	13		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		73		30-150	A
Decachlorobiphenyl	81		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		68		30-150	B
Decachlorobiphenyl	63		74		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 15-18 Batch: WG1283156-2 WG1283156-3									
Aroclor 1016	100		87		40-140	14		50	A
Aroclor 1260	75		71		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		73		30-150	A
Decachlorobiphenyl	65		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		67		30-150	B
Decachlorobiphenyl	74		76		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 09 Batch: WG1284265-2 WG1284265-3									
Aroclor 1016	83		76		40-140	9		50	A
Aroclor 1260	86		76		40-140	12		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		81		30-150	A
Decachlorobiphenyl	93		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		76		30-150	B
Decachlorobiphenyl	93		89		30-150	B

PESTICIDES

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-01
Client ID: B-2 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 09:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 20:13
Analyst: SL
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.62	0.317	1	A
Lindane	ND		ug/kg	0.674	0.301	1	A
Alpha-BHC	ND		ug/kg	0.674	0.191	1	A
Beta-BHC	ND		ug/kg	1.62	0.613	1	A
Heptachlor	ND		ug/kg	0.809	0.363	1	A
Aldrin	ND		ug/kg	1.62	0.570	1	A
Heptachlor epoxide	ND		ug/kg	3.03	0.910	1	A
Endrin	ND		ug/kg	0.674	0.276	1	A
Endrin aldehyde	ND		ug/kg	2.02	0.708	1	A
Endrin ketone	ND		ug/kg	1.62	0.416	1	A
Dieldrin	ND		ug/kg	1.01	0.505	1	A
4,4'-DDE	ND		ug/kg	1.62	0.374	1	A
4,4'-DDD	ND		ug/kg	1.62	0.577	1	A
4,4'-DDT	ND		ug/kg	3.03	1.30	1	A
Endosulfan I	ND		ug/kg	1.62	0.382	1	A
Endosulfan II	ND		ug/kg	1.62	0.540	1	A
Endosulfan sulfate	ND		ug/kg	0.674	0.321	1	A
Methoxychlor	ND		ug/kg	3.03	0.944	1	A
Toxaphene	ND		ug/kg	30.3	8.49	1	A
cis-Chlordane	ND		ug/kg	2.02	0.563	1	A
trans-Chlordane	ND		ug/kg	2.02	0.534	1	A
Chlordane	ND		ug/kg	13.1	5.36	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-01 Date Collected: 09/10/19 09:40

Client ID: B-2 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		30-150	B
Decachlorobiphenyl	102		30-150	B
2,4,5,6-Tetrachloro-m-xylene	110		30-150	A
Decachlorobiphenyl	100		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-02
Client ID: B-2 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 09:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 20:25
Analyst: SL
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.340	1	A
Lindane	ND		ug/kg	0.724	0.324	1	A
Alpha-BHC	ND		ug/kg	0.724	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.659	1	A
Heptachlor	ND		ug/kg	0.869	0.389	1	A
Aldrin	ND		ug/kg	1.74	0.612	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.977	1	A
Endrin	ND		ug/kg	0.724	0.297	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.760	1	A
Endrin ketone	ND		ug/kg	1.74	0.447	1	A
Dieldrin	ND		ug/kg	1.08	0.543	1	A
4,4'-DDE	ND		ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.620	1	A
4,4'-DDT	ND		ug/kg	3.26	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.410	1	A
Endosulfan II	ND		ug/kg	1.74	0.580	1	A
Endosulfan sulfate	ND		ug/kg	0.724	0.344	1	A
Methoxychlor	ND		ug/kg	3.26	1.01	1	A
Toxaphene	ND		ug/kg	32.6	9.12	1	A
cis-Chlordane	ND		ug/kg	2.17	0.605	1	A
trans-Chlordane	ND		ug/kg	2.17	0.573	1	A
Chlordane	ND		ug/kg	14.1	5.76	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-02 Date Collected: 09/10/19 09:45

Client ID: B-2 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	B
Decachlorobiphenyl	103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	107		30-150	A
Decachlorobiphenyl	100		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-03
Client ID: B-7 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 20:36
Analyst: SL
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.89	0.369	1	A
Lindane	ND		ug/kg	0.786	0.351	1	A
Alpha-BHC	ND		ug/kg	0.786	0.223	1	A
Beta-BHC	ND		ug/kg	1.89	0.715	1	A
Heptachlor	ND		ug/kg	0.943	0.423	1	A
Aldrin	ND		ug/kg	1.89	0.664	1	A
Heptachlor epoxide	ND		ug/kg	3.54	1.06	1	A
Endrin	ND		ug/kg	0.786	0.322	1	A
Endrin aldehyde	ND		ug/kg	2.36	0.825	1	A
Endrin ketone	ND		ug/kg	1.89	0.486	1	A
Dieldrin	ND	IP	ug/kg	1.18	0.590	1	B
4,4'-DDE	ND		ug/kg	1.89	0.436	1	A
4,4'-DDD	ND		ug/kg	1.89	0.673	1	A
4,4'-DDT	ND		ug/kg	3.54	1.52	1	A
Endosulfan I	ND		ug/kg	1.89	0.446	1	A
Endosulfan II	ND		ug/kg	1.89	0.630	1	A
Endosulfan sulfate	ND		ug/kg	0.786	0.374	1	A
Methoxychlor	ND		ug/kg	3.54	1.10	1	A
Toxaphene	ND		ug/kg	35.4	9.90	1	A
cis-Chlordane	ND		ug/kg	2.36	0.657	1	A
trans-Chlordane	ND		ug/kg	2.36	0.622	1	A
Chlordane	ND		ug/kg	15.3	6.25	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-03 Date Collected: 09/10/19 10:20

Client ID: B-7 (1-2) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	90		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	92		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-04
Client ID: B-16 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 21:33
Analyst: SL
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.63	0.318	1	A
Lindane	ND		ug/kg	0.678	0.303	1	A
Alpha-BHC	ND		ug/kg	0.678	0.192	1	A
Beta-BHC	ND		ug/kg	1.63	0.617	1	A
Heptachlor	ND		ug/kg	0.813	0.365	1	A
Aldrin	ND		ug/kg	1.63	0.573	1	A
Heptachlor epoxide	ND		ug/kg	3.05	0.915	1	A
Endrin	ND		ug/kg	0.678	0.278	1	A
Endrin aldehyde	ND		ug/kg	2.03	0.712	1	A
Endrin ketone	ND		ug/kg	1.63	0.419	1	A
Dieldrin	ND		ug/kg	1.02	0.508	1	A
4,4'-DDE	ND		ug/kg	1.63	0.376	1	A
4,4'-DDD	ND		ug/kg	1.63	0.580	1	A
4,4'-DDT	ND		ug/kg	3.05	1.31	1	A
Endosulfan I	ND		ug/kg	1.63	0.384	1	A
Endosulfan II	ND		ug/kg	1.63	0.544	1	A
Endosulfan sulfate	ND		ug/kg	0.678	0.323	1	A
Methoxychlor	ND		ug/kg	3.05	0.949	1	A
Toxaphene	ND		ug/kg	30.5	8.54	1	A
cis-Chlordane	ND		ug/kg	2.03	0.566	1	A
trans-Chlordane	ND		ug/kg	2.03	0.537	1	A
Chlordane	ND		ug/kg	13.2	5.39	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-04 Date Collected: 09/10/19 10:30

Client ID: B-16 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	86		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	90		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-05
Client ID: B-16 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:35
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/15/19 20:08
Analyst: AMC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/13/19 14:42
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.327	1	A
Lindane	ND		ug/kg	0.695	0.311	1	A
Alpha-BHC	ND		ug/kg	0.695	0.197	1	A
Beta-BHC	ND		ug/kg	1.67	0.633	1	A
Heptachlor	ND		ug/kg	0.834	0.374	1	A
Aldrin	ND		ug/kg	1.67	0.588	1	A
Heptachlor epoxide	ND		ug/kg	3.13	0.939	1	A
Endrin	ND		ug/kg	0.695	0.285	1	A
Endrin aldehyde	ND		ug/kg	2.09	0.730	1	A
Endrin ketone	ND		ug/kg	1.67	0.430	1	A
Dieldrin	ND		ug/kg	1.04	0.522	1	A
4,4'-DDE	ND		ug/kg	1.67	0.386	1	A
4,4'-DDD	ND		ug/kg	1.67	0.595	1	A
4,4'-DDT	ND		ug/kg	3.13	1.34	1	A
Endosulfan I	ND		ug/kg	1.67	0.394	1	A
Endosulfan II	ND		ug/kg	1.67	0.558	1	A
Endosulfan sulfate	ND		ug/kg	0.695	0.331	1	A
Methoxychlor	ND		ug/kg	3.13	0.973	1	A
Toxaphene	ND		ug/kg	31.3	8.76	1	A
cis-Chlordane	ND		ug/kg	2.09	0.581	1	A
trans-Chlordane	ND		ug/kg	2.09	0.551	1	A
Chlordane	ND		ug/kg	13.6	5.53	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-05 Date Collected: 09/10/19 10:35

Client ID: B-16 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	57		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	40		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-06
Client ID: B-1 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 21:44
Analyst: SL
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.323	1	A
Lindane	ND		ug/kg	0.687	0.307	1	A
Alpha-BHC	ND		ug/kg	0.687	0.195	1	A
Beta-BHC	ND		ug/kg	1.65	0.625	1	A
Heptachlor	ND		ug/kg	0.825	0.370	1	A
Aldrin	ND		ug/kg	1.65	0.581	1	A
Heptachlor epoxide	ND		ug/kg	3.09	0.928	1	A
Endrin	ND		ug/kg	0.687	0.282	1	A
Endrin aldehyde	ND		ug/kg	2.06	0.722	1	A
Endrin ketone	ND		ug/kg	1.65	0.425	1	A
Dieldrin	ND		ug/kg	1.03	0.515	1	A
4,4'-DDE	ND		ug/kg	1.65	0.381	1	A
4,4'-DDD	ND		ug/kg	1.65	0.588	1	A
4,4'-DDT	ND		ug/kg	3.09	1.33	1	A
Endosulfan I	ND		ug/kg	1.65	0.390	1	A
Endosulfan II	ND		ug/kg	1.65	0.551	1	A
Endosulfan sulfate	ND		ug/kg	0.687	0.327	1	A
Methoxychlor	ND		ug/kg	3.09	0.962	1	A
Toxaphene	ND		ug/kg	30.9	8.66	1	A
cis-Chlordane	ND		ug/kg	2.06	0.574	1	A
trans-Chlordane	ND		ug/kg	2.06	0.544	1	A
Chlordane	ND		ug/kg	13.4	5.46	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-06 Date Collected: 09/10/19 10:40

Client ID: B-1 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	112		30-150	B
Decachlorobiphenyl	103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	103		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-07
Client ID: B-1 (5-6)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 21:55
Analyst: SL
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.62	0.317	1	A
Lindane	ND		ug/kg	0.674	0.301	1	A
Alpha-BHC	ND		ug/kg	0.674	0.191	1	A
Beta-BHC	ND		ug/kg	1.62	0.613	1	A
Heptachlor	ND		ug/kg	0.809	0.362	1	A
Aldrin	ND		ug/kg	1.62	0.569	1	A
Heptachlor epoxide	ND		ug/kg	3.03	0.910	1	A
Endrin	ND		ug/kg	0.674	0.276	1	A
Endrin aldehyde	ND		ug/kg	2.02	0.708	1	A
Endrin ketone	ND		ug/kg	1.62	0.416	1	A
Dieldrin	ND		ug/kg	1.01	0.505	1	A
4,4'-DDE	ND		ug/kg	1.62	0.374	1	A
4,4'-DDD	ND		ug/kg	1.62	0.577	1	A
4,4'-DDT	ND		ug/kg	3.03	1.30	1	A
Endosulfan I	ND		ug/kg	1.62	0.382	1	A
Endosulfan II	ND		ug/kg	1.62	0.540	1	A
Endosulfan sulfate	ND		ug/kg	0.674	0.321	1	A
Methoxychlor	ND		ug/kg	3.03	0.943	1	A
Toxaphene	ND		ug/kg	30.3	8.49	1	A
cis-Chlordane	ND		ug/kg	2.02	0.563	1	A
trans-Chlordane	ND		ug/kg	2.02	0.534	1	A
Chlordane	ND		ug/kg	13.1	5.36	1	A

Project Name: Not Specified
Lab Number: L1941309
Project Number: 10567
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-07
Client ID: B-1 (5-6)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	87		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	85		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-08
Client ID: B-1 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 22:07
Analyst: SL
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.61	0.316	1	A
Lindane	ND		ug/kg	0.672	0.300	1	A
Alpha-BHC	ND		ug/kg	0.672	0.191	1	A
Beta-BHC	ND		ug/kg	1.61	0.611	1	A
Heptachlor	ND		ug/kg	0.806	0.361	1	A
Aldrin	ND		ug/kg	1.61	0.567	1	A
Heptachlor epoxide	ND		ug/kg	3.02	0.906	1	A
Endrin	ND		ug/kg	0.672	0.275	1	A
Endrin aldehyde	ND		ug/kg	2.01	0.705	1	A
Endrin ketone	ND		ug/kg	1.61	0.415	1	A
Dieldrin	ND		ug/kg	1.01	0.504	1	A
4,4'-DDE	ND		ug/kg	1.61	0.373	1	A
4,4'-DDD	ND		ug/kg	1.61	0.575	1	A
4,4'-DDT	ND		ug/kg	3.02	1.30	1	A
Endosulfan I	ND		ug/kg	1.61	0.381	1	A
Endosulfan II	ND		ug/kg	1.61	0.538	1	A
Endosulfan sulfate	ND		ug/kg	0.672	0.320	1	A
Methoxychlor	ND		ug/kg	3.02	0.940	1	A
Toxaphene	ND		ug/kg	30.2	8.46	1	A
cis-Chlordane	ND		ug/kg	2.01	0.561	1	A
trans-Chlordane	ND		ug/kg	2.01	0.532	1	A
Chlordane	ND		ug/kg	13.1	5.34	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-08 Date Collected: 09/10/19 11:20

Client ID: B-1 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	96		30-150	B
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	97		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-09
Client ID: B-11 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 22:29
Analyst: AMC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.327	1	A
Lindane	ND		ug/kg	0.696	0.311	1	A
Alpha-BHC	ND		ug/kg	0.696	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.634	1	A
Heptachlor	ND		ug/kg	0.836	0.375	1	A
Aldrin	ND		ug/kg	1.67	0.588	1	A
Heptachlor epoxide	ND		ug/kg	3.13	0.940	1	A
Endrin	ND		ug/kg	0.696	0.286	1	A
Endrin aldehyde	ND		ug/kg	2.09	0.731	1	A
Endrin ketone	ND		ug/kg	1.67	0.430	1	A
Dieldrin	ND		ug/kg	1.04	0.522	1	A
4,4'-DDE	ND		ug/kg	1.67	0.386	1	A
4,4'-DDD	ND		ug/kg	1.67	0.596	1	A
4,4'-DDT	ND		ug/kg	3.13	1.34	1	A
Endosulfan I	ND		ug/kg	1.67	0.395	1	A
Endosulfan II	ND		ug/kg	1.67	0.558	1	A
Endosulfan sulfate	ND		ug/kg	0.696	0.331	1	A
Methoxychlor	ND		ug/kg	3.13	0.975	1	A
Toxaphene	ND		ug/kg	31.3	8.77	1	A
cis-Chlordane	ND		ug/kg	2.09	0.582	1	A
trans-Chlordane	ND		ug/kg	2.09	0.552	1	A
Chlordane	ND		ug/kg	13.6	5.54	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-09 Date Collected: 09/10/19 11:55

Client ID: B-11 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	113		30-150	B
Decachlorobiphenyl	100		30-150	B
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	100		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-10
Client ID: B-11 (0-1)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 22:18
Analyst: SL
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.88	0.368	1	A
Lindane	ND		ug/kg	0.784	0.350	1	A
Alpha-BHC	ND		ug/kg	0.784	0.223	1	A
Beta-BHC	ND		ug/kg	1.88	0.713	1	A
Heptachlor	ND		ug/kg	0.941	0.422	1	A
Aldrin	ND		ug/kg	1.88	0.662	1	A
Heptachlor epoxide	ND		ug/kg	3.53	1.06	1	A
Endrin	ND		ug/kg	0.784	0.321	1	A
Endrin aldehyde	ND		ug/kg	2.35	0.823	1	A
Endrin ketone	ND		ug/kg	1.88	0.484	1	A
Dieldrin	ND		ug/kg	1.18	0.588	1	A
4,4'-DDE	ND		ug/kg	1.88	0.435	1	A
4,4'-DDD	ND		ug/kg	1.88	0.671	1	A
4,4'-DDT	ND		ug/kg	3.53	1.51	1	A
Endosulfan I	ND		ug/kg	1.88	0.444	1	A
Endosulfan II	ND		ug/kg	1.88	0.629	1	A
Endosulfan sulfate	ND		ug/kg	0.784	0.373	1	A
Methoxychlor	ND		ug/kg	3.53	1.10	1	A
Toxaphene	ND		ug/kg	35.3	9.88	1	A
cis-Chlordane	ND		ug/kg	2.35	0.655	1	A
trans-Chlordane	ND		ug/kg	2.35	0.621	1	A
Chlordane	ND		ug/kg	15.3	6.23	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-10 Date Collected: 09/10/19 11:50

Client ID: B-11 (0-1) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		30-150	B
Decachlorobiphenyl	110		30-150	B
2,4,5,6-Tetrachloro-m-xylene	110		30-150	A
Decachlorobiphenyl	104		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-11
Client ID: B-6 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 22:41
Analyst: AMC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.332	1	A
Lindane	ND		ug/kg	0.707	0.316	1	A
Alpha-BHC	ND		ug/kg	0.707	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.644	1	A
Heptachlor	ND		ug/kg	0.849	0.381	1	A
Aldrin	ND		ug/kg	1.70	0.598	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.955	1	A
Endrin	ND		ug/kg	0.707	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.743	1	A
Endrin ketone	ND		ug/kg	1.70	0.437	1	A
Dieldrin	ND		ug/kg	1.06	0.530	1	A
4,4'-DDE	ND		ug/kg	1.70	0.393	1	A
4,4'-DDD	ND		ug/kg	1.70	0.606	1	A
4,4'-DDT	ND		ug/kg	3.18	1.36	1	A
Endosulfan I	ND		ug/kg	1.70	0.401	1	A
Endosulfan II	ND		ug/kg	1.70	0.567	1	A
Endosulfan sulfate	ND		ug/kg	0.707	0.337	1	A
Methoxychlor	ND		ug/kg	3.18	0.990	1	A
Toxaphene	ND		ug/kg	31.8	8.91	1	A
cis-Chlordane	ND		ug/kg	2.12	0.591	1	A
trans-Chlordane	ND		ug/kg	2.12	0.560	1	A
Chlordane	ND		ug/kg	13.8	5.62	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-11 Date Collected: 09/10/19 12:55

Client ID: B-6 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	118		30-150	B
Decachlorobiphenyl	105		30-150	B
2,4,5,6-Tetrachloro-m-xylene	112		30-150	A
Decachlorobiphenyl	111		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-12
Client ID: B-6 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 22:52
Analyst: AMC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.331	1	A
Lindane	ND		ug/kg	0.704	0.315	1	A
Alpha-BHC	ND		ug/kg	0.704	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.641	1	A
Heptachlor	ND		ug/kg	0.845	0.379	1	A
Aldrin	ND		ug/kg	1.69	0.595	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.951	1	A
Endrin	ND		ug/kg	0.704	0.289	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.739	1	A
Endrin ketone	ND		ug/kg	1.69	0.435	1	A
Dieldrin	ND		ug/kg	1.06	0.528	1	A
4,4'-DDE	ND		ug/kg	1.69	0.391	1	A
4,4'-DDD	ND		ug/kg	1.69	0.603	1	A
4,4'-DDT	ND		ug/kg	3.17	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.399	1	A
Endosulfan II	ND		ug/kg	1.69	0.565	1	A
Endosulfan sulfate	ND		ug/kg	0.704	0.335	1	A
Methoxychlor	ND		ug/kg	3.17	0.986	1	A
Toxaphene	ND		ug/kg	31.7	8.87	1	A
cis-Chlordane	ND		ug/kg	2.11	0.589	1	A
trans-Chlordane	ND		ug/kg	2.11	0.558	1	A
Chlordane	ND		ug/kg	13.7	5.60	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-12 Date Collected: 09/10/19 12:50

Client ID: B-6 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		30-150	B
Decachlorobiphenyl	97		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	106		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-13
Client ID: B-6 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 23:03
Analyst: AMC
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.335	1	A
Lindane	ND		ug/kg	0.713	0.319	1	A
Alpha-BHC	ND		ug/kg	0.713	0.202	1	A
Beta-BHC	ND		ug/kg	1.71	0.649	1	A
Heptachlor	ND		ug/kg	0.856	0.384	1	A
Aldrin	ND		ug/kg	1.71	0.602	1	A
Heptachlor epoxide	ND		ug/kg	3.21	0.962	1	A
Endrin	ND		ug/kg	0.713	0.292	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.749	1	A
Endrin ketone	ND		ug/kg	1.71	0.441	1	A
Dieldrin	ND		ug/kg	1.07	0.535	1	A
4,4'-DDE	ND		ug/kg	1.71	0.396	1	A
4,4'-DDD	ND		ug/kg	1.71	0.610	1	A
4,4'-DDT	ND		ug/kg	3.21	1.38	1	A
Endosulfan I	ND		ug/kg	1.71	0.404	1	A
Endosulfan II	ND		ug/kg	1.71	0.572	1	A
Endosulfan sulfate	ND		ug/kg	0.713	0.339	1	A
Methoxychlor	ND		ug/kg	3.21	0.998	1	A
Toxaphene	ND		ug/kg	32.1	8.98	1	A
cis-Chlordane	ND		ug/kg	2.14	0.596	1	A
trans-Chlordane	ND		ug/kg	2.14	0.565	1	A
Chlordane	ND		ug/kg	13.9	5.67	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-13 Date Collected: 09/10/19 12:40

Client ID: B-6 (1-2) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		30-150	B
Decachlorobiphenyl	98		30-150	B
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	97		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-14
Client ID: B-10 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/17/19 00:00
Analyst: AMC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.339	1	A
Lindane	ND		ug/kg	0.720	0.322	1	A
Alpha-BHC	ND		ug/kg	0.720	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.656	1	A
Heptachlor	ND		ug/kg	0.864	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.609	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.972	1	B
Endrin	ND		ug/kg	0.720	0.295	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.756	1	A
Endrin ketone	ND		ug/kg	1.73	0.445	1	A
Dieldrin	1.68	IP	ug/kg	1.08	0.540	1	B
4,4'-DDE	3.92		ug/kg	1.73	0.400	1	A
4,4'-DDD	2.86		ug/kg	1.73	0.617	1	B
4,4'-DDT	9.10		ug/kg	3.24	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.408	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.720	0.343	1	A
Methoxychlor	2.11	JIP	ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.08	1	A
cis-Chlordane	3.23	IP	ug/kg	2.16	0.602	1	B
trans-Chlordane	3.46	IP	ug/kg	2.16	0.570	1	A
Chlordane	39.2	P	ug/kg	14.0	5.73	1	B

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-14 Date Collected: 09/10/19 13:20

Client ID: B-10 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	63		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	54		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-15
Client ID: B-10 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:25
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 23:48
Analyst: AMC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:42
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.718	0.321	1	A
Alpha-BHC	ND		ug/kg	0.718	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.653	1	A
Heptachlor	ND		ug/kg	0.861	0.386	1	A
Aldrin	ND		ug/kg	1.72	0.606	1	A
Heptachlor epoxide	ND		ug/kg	3.23	0.969	1	A
Endrin	ND		ug/kg	0.718	0.294	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.754	1	A
Endrin ketone	ND		ug/kg	1.72	0.444	1	A
Dieldrin	3.86	IP	ug/kg	1.08	0.538	1	B
4,4'-DDE	9.62		ug/kg	1.72	0.398	1	A
4,4'-DDD	7.50		ug/kg	1.72	0.614	1	A
4,4'-DDT	30.7		ug/kg	3.23	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.407	1	A
Endosulfan II	ND		ug/kg	1.72	0.576	1	A
Endosulfan sulfate	ND		ug/kg	0.718	0.342	1	A
Methoxychlor	4.65	IP	ug/kg	3.23	1.00	1	A
Toxaphene	ND		ug/kg	32.3	9.04	1	A
cis-Chlordane	5.37		ug/kg	2.15	0.600	1	A
trans-Chlordane	3.94	IP	ug/kg	2.15	0.568	1	A
Chlordane	ND		ug/kg	14.0	5.71	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-15 Date Collected: 09/10/19 13:25

Client ID: B-10 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	86		30-150	B
2,4,5,6-Tetrachloro-m-xylene	135		30-150	A
Decachlorobiphenyl	76		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-16
Client ID: B-10 (11-12)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 23:15
Analyst: AMC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:42
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.323	1	A
Lindane	ND		ug/kg	0.687	0.307	1	A
Alpha-BHC	ND		ug/kg	0.687	0.195	1	A
Beta-BHC	ND		ug/kg	1.65	0.625	1	A
Heptachlor	ND		ug/kg	0.824	0.370	1	A
Aldrin	ND		ug/kg	1.65	0.580	1	A
Heptachlor epoxide	ND		ug/kg	3.09	0.927	1	A
Endrin	ND		ug/kg	0.687	0.282	1	A
Endrin aldehyde	ND		ug/kg	2.06	0.721	1	A
Endrin ketone	ND		ug/kg	1.65	0.424	1	A
Dieldrin	ND		ug/kg	1.03	0.515	1	A
4,4'-DDE	ND		ug/kg	1.65	0.381	1	A
4,4'-DDD	ND		ug/kg	1.65	0.588	1	A
4,4'-DDT	ND		ug/kg	3.09	1.32	1	A
Endosulfan I	ND		ug/kg	1.65	0.389	1	A
Endosulfan II	ND		ug/kg	1.65	0.551	1	A
Endosulfan sulfate	ND		ug/kg	0.687	0.327	1	A
Methoxychlor	ND		ug/kg	3.09	0.962	1	A
Toxaphene	ND		ug/kg	30.9	8.65	1	A
cis-Chlordane	ND		ug/kg	2.06	0.574	1	A
trans-Chlordane	ND		ug/kg	2.06	0.544	1	A
Chlordane	ND		ug/kg	13.4	5.46	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-16 Date Collected: 09/10/19 13:30

Client ID: B-10 (11-12) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	75		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-17
Client ID: B-15 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 23:37
Analyst: AMC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:42
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.332	1	A
Lindane	ND		ug/kg	0.705	0.315	1	A
Alpha-BHC	ND		ug/kg	0.705	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.642	1	A
Heptachlor	ND		ug/kg	0.846	0.380	1	A
Aldrin	ND		ug/kg	1.69	0.596	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.952	1	A
Endrin	ND		ug/kg	0.705	0.289	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.741	1	A
Endrin ketone	ND		ug/kg	1.69	0.436	1	A
Dieldrin	1.13	IP	ug/kg	1.06	0.529	1	B
4,4'-DDE	5.24		ug/kg	1.69	0.392	1	A
4,4'-DDD	1.86		ug/kg	1.69	0.604	1	A
4,4'-DDT	5.50		ug/kg	3.17	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.400	1	A
Endosulfan II	ND		ug/kg	1.69	0.566	1	A
Endosulfan sulfate	ND		ug/kg	0.705	0.336	1	A
Methoxychlor	0.994	JIP	ug/kg	3.17	0.988	1	A
Toxaphene	ND		ug/kg	31.7	8.89	1	A
cis-Chlordane	22.8	IP	ug/kg	2.12	0.590	1	B
trans-Chlordane	25.7	IP	ug/kg	2.12	0.559	1	A
Chlordane	249		ug/kg	13.8	5.61	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-17 Date Collected: 09/10/19 13:40

Client ID: B-15 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	53		30-150	B
2,4,5,6-Tetrachloro-m-xylene	129		30-150	A
Decachlorobiphenyl	74		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-18
Client ID: B-15 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 23:26
Analyst: AMC
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:42
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.717	0.320	1	A
Alpha-BHC	ND		ug/kg	0.717	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.652	1	A
Heptachlor	ND		ug/kg	0.860	0.386	1	A
Aldrin	ND		ug/kg	1.72	0.606	1	A
Heptachlor epoxide	ND		ug/kg	3.23	0.968	1	A
Endrin	ND		ug/kg	0.717	0.294	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.753	1	A
Endrin ketone	ND		ug/kg	1.72	0.443	1	A
Dieldrin	12.2		ug/kg	1.08	0.538	1	A
4,4'-DDE	16.2		ug/kg	1.72	0.398	1	B
4,4'-DDD	10.2		ug/kg	1.72	0.614	1	B
4,4'-DDT	32.7		ug/kg	3.23	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.406	1	A
Endosulfan II	ND		ug/kg	1.72	0.575	1	A
Endosulfan sulfate	ND		ug/kg	0.717	0.341	1	A
Methoxychlor	3.75		ug/kg	3.23	1.00	1	A
Toxaphene	ND		ug/kg	32.3	9.03	1	A
cis-Chlordane	7.65		ug/kg	2.15	0.599	1	A
trans-Chlordane	5.15	IP	ug/kg	2.15	0.568	1	A
Chlordane	50.0		ug/kg	14.0	5.70	1	B

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-18 Date Collected: 09/10/19 13:50

Client ID: B-15 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	92		30-150	B
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	105		30-150	A

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/19 15:38
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04,06-14 Batch: WG1283099-1						
Delta-BHC	ND		ug/kg	1.54	0.301	A
Lindane	ND		ug/kg	0.641	0.286	A
Alpha-BHC	ND		ug/kg	0.641	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.583	A
Heptachlor	ND		ug/kg	0.769	0.345	A
Aldrin	ND		ug/kg	1.54	0.541	A
Heptachlor epoxide	ND		ug/kg	2.88	0.865	A
Endrin	ND		ug/kg	0.641	0.263	A
Endrin aldehyde	ND		ug/kg	1.92	0.673	A
Endrin ketone	ND		ug/kg	1.54	0.396	A
Dieldrin	ND		ug/kg	0.961	0.480	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.548	A
4,4'-DDT	ND		ug/kg	2.88	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.363	A
Endosulfan II	ND		ug/kg	1.54	0.514	A
Endosulfan sulfate	ND		ug/kg	0.641	0.305	A
Methoxychlor	ND		ug/kg	2.88	0.897	A
Toxaphene	ND		ug/kg	28.8	8.07	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.507	A
Chlordane	ND		ug/kg	12.5	5.09	A

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/19 15:38
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04,06-14 Batch: WG1283099-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	99		30-150	A

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/19 20:48
Analyst: SL

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:42
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 15-18 Batch: WG1283133-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.643	0.287	A
Alpha-BHC	ND		ug/kg	0.643	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.585	A
Heptachlor	ND		ug/kg	0.771	0.346	A
Aldrin	ND		ug/kg	1.54	0.543	A
Heptachlor epoxide	ND		ug/kg	2.89	0.868	A
Endrin	ND		ug/kg	0.643	0.263	A
Endrin aldehyde	ND		ug/kg	1.93	0.675	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.964	0.482	A
4,4'-DDE	ND		ug/kg	1.54	0.357	A
4,4'-DDD	ND		ug/kg	1.54	0.550	A
4,4'-DDT	ND		ug/kg	2.89	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.364	A
Endosulfan II	ND		ug/kg	1.54	0.515	A
Endosulfan sulfate	ND		ug/kg	0.643	0.306	A
Methoxychlor	ND		ug/kg	2.89	0.900	A
Toxaphene	ND		ug/kg	28.9	8.10	A
cis-Chlordane	ND		ug/kg	1.93	0.537	A
trans-Chlordane	ND		ug/kg	1.93	0.509	A
Chlordane	ND		ug/kg	12.5	5.11	A

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/19 20:48
Analyst: SL

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:42
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 15-18 Batch: WG1283133-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	91		30-150	B
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	88		30-150	A

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/15/19 17:11
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/13/19 14:04
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05 Batch: WG1283899-1						
Delta-BHC	ND		ug/kg	1.59	0.312	A
Lindane	ND		ug/kg	0.664	0.297	A
Alpha-BHC	ND		ug/kg	0.664	0.189	A
Beta-BHC	ND		ug/kg	1.59	0.605	A
Heptachlor	ND		ug/kg	0.797	0.357	A
Aldrin	ND		ug/kg	1.59	0.561	A
Heptachlor epoxide	ND		ug/kg	2.99	0.897	A
Endrin	ND		ug/kg	0.664	0.272	A
Endrin aldehyde	ND		ug/kg	1.99	0.698	A
Endrin ketone	ND		ug/kg	1.59	0.411	A
Dieldrin	ND		ug/kg	0.997	0.498	A
4,4'-DDE	ND		ug/kg	1.59	0.369	A
4,4'-DDD	ND		ug/kg	1.59	0.569	A
4,4'-DDT	ND		ug/kg	2.99	1.28	A
Endosulfan I	ND		ug/kg	1.59	0.377	A
Endosulfan II	ND		ug/kg	1.59	0.533	A
Endosulfan sulfate	ND		ug/kg	0.664	0.316	A
Methoxychlor	ND		ug/kg	2.99	0.930	A
Toxaphene	ND		ug/kg	29.9	8.37	A
cis-Chlordane	ND		ug/kg	1.99	0.555	A
trans-Chlordane	ND		ug/kg	1.99	0.526	A
Chlordane	ND		ug/kg	13.0	5.28	A

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/15/19 17:11
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/13/19 14:04
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05 Batch: WG1283899-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	82		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04,06-14 Batch: WG1283099-2 WG1283099-3									
Delta-BHC	116		111		30-150	4		30	A
Lindane	113		108		30-150	5		30	A
Alpha-BHC	120		115		30-150	4		30	A
Beta-BHC	108		102		30-150	6		30	A
Heptachlor	118		111		30-150	6		30	A
Aldrin	111		104		30-150	7		30	A
Heptachlor epoxide	114		109		30-150	4		30	A
Endrin	124		117		30-150	6		30	A
Endrin aldehyde	97		94		30-150	3		30	A
Endrin ketone	122		117		30-150	4		30	A
Dieldrin	124		118		30-150	5		30	A
4,4'-DDE	117		112		30-150	4		30	A
4,4'-DDD	123		118		30-150	4		30	A
4,4'-DDT	127		122		30-150	4		30	A
Endosulfan I	108		103		30-150	5		30	A
Endosulfan II	119		114		30-150	4		30	A
Endosulfan sulfate	120		114		30-150	5		30	A
Methoxychlor	111		110		30-150	1		30	A
cis-Chlordane	94		90		30-150	4		30	A
trans-Chlordane	93		93		30-150	0		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04,06-14 Batch: WG1283099-2 WG1283099-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		114		30-150	B
Decachlorobiphenyl	109		113		30-150	B
2,4,5,6-Tetrachloro-m-xylene	112		108		30-150	A
Decachlorobiphenyl	99		108		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 15-18 Batch: WG1283133-2 WG1283133-3									
Delta-BHC	122		109		30-150	11		30	A
Lindane	116		103		30-150	12		30	A
Alpha-BHC	124		113		30-150	9		30	A
Beta-BHC	110		101		30-150	9		30	A
Heptachlor	121		111		30-150	9		30	A
Aldrin	108		96		30-150	12		30	A
Heptachlor epoxide	111		98		30-150	12		30	A
Endrin	125		112		30-150	11		30	A
Endrin aldehyde	93		85		30-150	9		30	A
Endrin ketone	122		114		30-150	7		30	A
Dieldrin	125		112		30-150	11		30	A
4,4'-DDE	116		102		30-150	13		30	A
4,4'-DDD	125		112		30-150	11		30	A
4,4'-DDT	131		117		30-150	11		30	A
Endosulfan I	107		96		30-150	11		30	A
Endosulfan II	121		109		30-150	10		30	A
Endosulfan sulfate	120		110		30-150	9		30	A
Methoxychlor	117		111		30-150	5		30	A
cis-Chlordane	95		82		30-150	15		30	A
trans-Chlordane	95		80		30-150	17		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 15-18 Batch: WG1283133-2 WG1283133-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		94		30-150	B
Decachlorobiphenyl	93		84		30-150	B
2,4,5,6-Tetrachloro-m-xylene	96		89		30-150	A
Decachlorobiphenyl	99		90		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05 Batch: WG1283899-2 WG1283899-3									
Delta-BHC	81		93		30-150	14		30	A
Lindane	84		98		30-150	15		30	A
Alpha-BHC	91		106		30-150	15		30	A
Beta-BHC	77		89		30-150	14		30	A
Heptachlor	90		103		30-150	13		30	A
Aldrin	84		96		30-150	13		30	A
Heptachlor epoxide	87		97		30-150	11		30	A
Endrin	90		102		30-150	13		30	A
Endrin aldehyde	55		63		30-150	14		30	A
Endrin ketone	72		83		30-150	14		30	A
Dieldrin	91		102		30-150	11		30	A
4,4'-DDE	86		97		30-150	12		30	A
4,4'-DDD	88		98		30-150	11		30	A
4,4'-DDT	94		105		30-150	11		30	A
Endosulfan I	81		91		30-150	12		30	A
Endosulfan II	79		91		30-150	14		30	A
Endosulfan sulfate	69		77		30-150	11		30	A
Methoxychlor	78		87		30-150	11		30	A
cis-Chlordane	70		78		30-150	11		30	A
trans-Chlordane	82		90		30-150	9		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05 Batch: WG1283899-2 WG1283899-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		90		30-150	B
Decachlorobiphenyl	69		76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		88		30-150	A
Decachlorobiphenyl	73		84		30-150	A

METALS

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-01
Client ID: B-2 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 09:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11500		mg/kg	8.15	2.20	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.08	0.310	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Arsenic, Total	1.25		mg/kg	0.815	0.170	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Barium, Total	104		mg/kg	0.815	0.142	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Beryllium, Total	0.269	J	mg/kg	0.408	0.027	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.815	0.080	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Calcium, Total	638		mg/kg	8.15	2.85	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Chromium, Total	20.9		mg/kg	0.815	0.078	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Cobalt, Total	7.86		mg/kg	1.63	0.135	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Copper, Total	19.3		mg/kg	0.815	0.210	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Iron, Total	16900		mg/kg	4.08	0.736	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Lead, Total	3.53	J	mg/kg	4.08	0.218	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Magnesium, Total	3150		mg/kg	8.15	1.26	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Manganese, Total	381		mg/kg	0.815	0.130	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.067	0.043	1	09/16/19 09:30	09/16/19 19:47	EPA 7471B	1,7471B	GD
Nickel, Total	20.1		mg/kg	2.04	0.197	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Potassium, Total	3300		mg/kg	204	11.7	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Selenium, Total	0.432	J	mg/kg	1.63	0.210	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.815	0.231	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Sodium, Total	144	J	mg/kg	163	2.57	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.63	0.257	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Vanadium, Total	27.8		mg/kg	0.815	0.166	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Zinc, Total	46.9		mg/kg	4.08	0.239	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-02
Client ID: B-2 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 09:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	18400		mg/kg	8.85	2.39	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.42	0.336	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Arsenic, Total	0.858	J	mg/kg	0.885	0.184	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Barium, Total	199		mg/kg	0.885	0.154	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Beryllium, Total	0.239	J	mg/kg	0.442	0.029	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.885	0.087	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Calcium, Total	1710		mg/kg	8.85	3.10	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Chromium, Total	41.5		mg/kg	0.885	0.085	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Cobalt, Total	18.6		mg/kg	1.77	0.147	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Copper, Total	242		mg/kg	0.885	0.228	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Iron, Total	29000		mg/kg	4.42	0.799	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Lead, Total	4.50		mg/kg	4.42	0.237	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Magnesium, Total	7820		mg/kg	8.85	1.36	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Manganese, Total	558		mg/kg	0.885	0.141	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.071	0.046	1	09/16/19 09:30	09/16/19 19:54	EPA 7471B	1,7471B	GD
Nickel, Total	111		mg/kg	2.21	0.214	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Potassium, Total	11500		mg/kg	221	12.7	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Selenium, Total	0.239	J	mg/kg	1.77	0.228	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.885	0.250	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Sodium, Total	258		mg/kg	177	2.79	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.77	0.279	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Vanadium, Total	49.4		mg/kg	0.885	0.180	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Zinc, Total	79.3		mg/kg	4.42	0.259	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-03
Client ID: B-7 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17900		mg/kg	9.24	2.50	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Antimony, Total	0.379	J	mg/kg	4.62	0.351	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Arsenic, Total	3.06		mg/kg	0.924	0.192	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Barium, Total	174		mg/kg	0.924	0.161	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Beryllium, Total	0.065	J	mg/kg	0.462	0.031	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.924	0.091	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Calcium, Total	796		mg/kg	9.24	3.24	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Chromium, Total	164		mg/kg	0.924	0.089	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Cobalt, Total	21.2		mg/kg	1.85	0.153	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Copper, Total	230		mg/kg	0.924	0.238	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Iron, Total	30500		mg/kg	4.62	0.835	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Lead, Total	122		mg/kg	4.62	0.248	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Magnesium, Total	6530		mg/kg	9.24	1.42	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Manganese, Total	309		mg/kg	0.924	0.147	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.077	0.050	1	09/16/19 09:30	09/16/19 19:56	EPA 7471B	1,7471B	GD
Nickel, Total	320		mg/kg	2.31	0.224	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Potassium, Total	6250		mg/kg	231	13.3	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Selenium, Total	0.508	J	mg/kg	1.85	0.238	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.924	0.262	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Sodium, Total	2610		mg/kg	185	2.91	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.85	0.291	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Vanadium, Total	54.2		mg/kg	0.924	0.188	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Zinc, Total	62.9		mg/kg	4.62	0.271	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-04
Client ID: B-16 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17600		mg/kg	8.09	2.18	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.05	0.308	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Arsenic, Total	1.34		mg/kg	0.809	0.168	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Barium, Total	152		mg/kg	0.809	0.141	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Beryllium, Total	0.348	J	mg/kg	0.405	0.027	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.809	0.079	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Calcium, Total	1930		mg/kg	8.09	2.83	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Chromium, Total	180		mg/kg	0.809	0.078	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Cobalt, Total	14.7		mg/kg	1.62	0.134	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Copper, Total	22.2		mg/kg	0.809	0.209	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Iron, Total	26300		mg/kg	4.05	0.731	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Lead, Total	24.1		mg/kg	4.05	0.217	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Magnesium, Total	8370		mg/kg	8.09	1.25	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Manganese, Total	448		mg/kg	0.809	0.129	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Mercury, Total	2.54		mg/kg	0.068	0.044	1	09/16/19 09:30	09/16/19 20:02	EPA 7471B	1,7471B	GD
Nickel, Total	357		mg/kg	2.02	0.196	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Potassium, Total	8040		mg/kg	202	11.6	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Selenium, Total	0.235	J	mg/kg	1.62	0.209	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Silver, Total	0.275	J	mg/kg	0.809	0.229	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Sodium, Total	645		mg/kg	162	2.55	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.62	0.255	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Vanadium, Total	45.5		mg/kg	0.809	0.164	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Zinc, Total	63.4		mg/kg	4.05	0.237	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-05
Client ID: B-16 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:35
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	31100		mg/kg	8.49	2.29	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.24	0.322	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Arsenic, Total	1.34		mg/kg	0.849	0.176	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Barium, Total	255		mg/kg	0.849	0.148	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Beryllium, Total	0.840		mg/kg	0.424	0.028	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.849	0.083	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Calcium, Total	3100		mg/kg	8.49	2.97	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Chromium, Total	98.6		mg/kg	0.849	0.082	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Cobalt, Total	24.6		mg/kg	1.70	0.141	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Copper, Total	24.4		mg/kg	0.849	0.219	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Iron, Total	28600		mg/kg	4.24	0.766	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Lead, Total	7.50		mg/kg	4.24	0.228	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Magnesium, Total	14600		mg/kg	8.49	1.31	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Manganese, Total	662		mg/kg	0.849	0.135	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Mercury, Total	0.076		mg/kg	0.069	0.045	1	09/16/19 09:30	09/16/19 20:04	EPA 7471B	1,7471B	GD
Nickel, Total	163		mg/kg	2.12	0.205	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Potassium, Total	10900		mg/kg	212	12.2	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.70	0.219	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.849	0.240	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Sodium, Total	1140		mg/kg	170	2.67	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.70	0.267	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Vanadium, Total	72.2		mg/kg	0.849	0.172	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Zinc, Total	71.5		mg/kg	4.24	0.249	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-06
Client ID: B-1 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	15800		mg/kg	8.39	2.26	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.20	0.319	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Arsenic, Total	1.87		mg/kg	0.839	0.174	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Barium, Total	97.5		mg/kg	0.839	0.146	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Beryllium, Total	0.302	J	mg/kg	0.420	0.028	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.839	0.082	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Calcium, Total	1680		mg/kg	8.39	2.94	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Chromium, Total	35.5		mg/kg	0.839	0.081	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Cobalt, Total	14.0		mg/kg	1.68	0.139	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Copper, Total	22.9		mg/kg	0.839	0.216	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Iron, Total	22000		mg/kg	4.20	0.758	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Lead, Total	4.24		mg/kg	4.20	0.225	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Magnesium, Total	5720		mg/kg	8.39	1.29	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Manganese, Total	358		mg/kg	0.839	0.133	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.068	0.045	1	09/16/19 09:30	09/16/19 20:06	EPA 7471B	1,7471B	GD
Nickel, Total	30.5		mg/kg	2.10	0.203	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Potassium, Total	5430		mg/kg	210	12.1	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.68	0.216	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.839	0.238	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Sodium, Total	160	J	mg/kg	168	2.64	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.68	0.264	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Vanadium, Total	38.6		mg/kg	0.839	0.170	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Zinc, Total	45.7		mg/kg	4.20	0.246	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-07
Client ID: B-1 (5-6)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12100		mg/kg	8.22	2.22	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.11	0.312	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Arsenic, Total	0.624	J	mg/kg	0.822	0.171	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Barium, Total	106		mg/kg	0.822	0.143	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Beryllium, Total	0.279	J	mg/kg	0.411	0.027	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.822	0.081	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Calcium, Total	1300		mg/kg	8.22	2.88	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Chromium, Total	44.9		mg/kg	0.822	0.079	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Cobalt, Total	10.8		mg/kg	1.64	0.136	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Copper, Total	57.5		mg/kg	0.822	0.212	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Iron, Total	18300		mg/kg	4.11	0.742	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Lead, Total	3.08	J	mg/kg	4.11	0.220	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Magnesium, Total	6450		mg/kg	8.22	1.26	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Manganese, Total	347		mg/kg	0.822	0.131	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.067	0.043	1	09/16/19 09:30	09/16/19 20:08	EPA 7471B	1,7471B	GD
Nickel, Total	45.3		mg/kg	2.05	0.199	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Potassium, Total	5340		mg/kg	205	11.8	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Selenium, Total	0.337	J	mg/kg	1.64	0.212	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.822	0.232	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Sodium, Total	184		mg/kg	164	2.59	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.64	0.259	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Vanadium, Total	27.1		mg/kg	0.822	0.167	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Zinc, Total	39.8		mg/kg	4.11	0.241	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-08
Client ID: B-1 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	21600		mg/kg	7.98	2.16	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	3.99	0.303	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Arsenic, Total	0.583	J	mg/kg	0.798	0.166	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Barium, Total	416		mg/kg	0.798	0.139	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Beryllium, Total	0.120	J	mg/kg	0.399	0.026	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.798	0.078	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Calcium, Total	1740		mg/kg	7.98	2.79	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Chromium, Total	73.3		mg/kg	0.798	0.077	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Cobalt, Total	23.8		mg/kg	1.60	0.132	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Copper, Total	70.3		mg/kg	0.798	0.206	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Iron, Total	31100		mg/kg	3.99	0.721	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Lead, Total	3.99		mg/kg	3.99	0.214	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Magnesium, Total	10400		mg/kg	7.98	1.23	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Manganese, Total	515		mg/kg	0.798	0.127	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.066	0.043	1	09/16/19 09:30	09/16/19 20:09	EPA 7471B	1,7471B	GD
Nickel, Total	138		mg/kg	2.00	0.193	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Potassium, Total	15800		mg/kg	200	11.5	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.60	0.206	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.798	0.226	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Sodium, Total	570		mg/kg	160	2.51	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.60	0.251	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Vanadium, Total	67.0		mg/kg	0.798	0.162	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Zinc, Total	72.9		mg/kg	3.99	0.234	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-09
Client ID: B-11 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11200		mg/kg	8.33	2.25	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.16	0.316	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Arsenic, Total	1.59		mg/kg	0.833	0.173	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Barium, Total	70.9		mg/kg	0.833	0.145	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Beryllium, Total	0.300	J	mg/kg	0.416	0.028	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.833	0.082	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Calcium, Total	515		mg/kg	8.33	2.92	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Chromium, Total	20.1		mg/kg	0.833	0.080	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Cobalt, Total	7.13		mg/kg	1.66	0.138	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Copper, Total	16.5		mg/kg	0.833	0.215	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Iron, Total	15200		mg/kg	4.16	0.752	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Lead, Total	3.47	J	mg/kg	4.16	0.223	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Magnesium, Total	2040		mg/kg	8.33	1.28	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Manganese, Total	518		mg/kg	0.833	0.132	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.070	0.046	1	09/16/19 09:30	09/16/19 20:11	EPA 7471B	1,7471B	GD
Nickel, Total	29.9		mg/kg	2.08	0.202	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Potassium, Total	2200		mg/kg	208	12.0	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.66	0.215	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.833	0.236	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Sodium, Total	406		mg/kg	166	2.62	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.66	0.262	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Vanadium, Total	23.2		mg/kg	0.833	0.169	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Zinc, Total	22.2		mg/kg	4.16	0.244	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-10
Client ID: B-11 (0-1)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12400		mg/kg	9.45	2.55	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Antimony, Total	0.416	J	mg/kg	4.72	0.359	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Arsenic, Total	3.48		mg/kg	0.945	0.196	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Barium, Total	62.4		mg/kg	0.945	0.164	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Beryllium, Total	0.387	J	mg/kg	0.472	0.031	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.945	0.093	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Calcium, Total	1160		mg/kg	9.45	3.31	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Chromium, Total	24.5		mg/kg	0.945	0.091	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Cobalt, Total	7.85		mg/kg	1.89	0.157	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Copper, Total	26.1		mg/kg	0.945	0.244	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Iron, Total	17900		mg/kg	4.72	0.853	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Lead, Total	24.6		mg/kg	4.72	0.253	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Magnesium, Total	2650		mg/kg	9.45	1.46	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Manganese, Total	355		mg/kg	0.945	0.150	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Mercury, Total	0.052	J	mg/kg	0.078	0.051	1	09/16/19 09:30	09/16/19 20:13	EPA 7471B	1,7471B	GD
Nickel, Total	23.1		mg/kg	2.36	0.229	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Potassium, Total	945		mg/kg	236	13.6	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Selenium, Total	0.652	J	mg/kg	1.89	0.244	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.945	0.267	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Sodium, Total	257		mg/kg	189	2.98	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.89	0.298	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Vanadium, Total	28.2		mg/kg	0.945	0.192	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Zinc, Total	39.0		mg/kg	4.72	0.277	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-11
Client ID: B-6 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8270		mg/kg	8.32	2.24	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.16	0.316	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Arsenic, Total	0.940		mg/kg	0.832	0.173	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Barium, Total	65.6		mg/kg	0.832	0.145	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Beryllium, Total	0.291	J	mg/kg	0.416	0.027	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.832	0.082	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Calcium, Total	725		mg/kg	8.32	2.91	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Chromium, Total	22.9		mg/kg	0.832	0.080	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Cobalt, Total	7.75		mg/kg	1.66	0.138	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Copper, Total	32.1		mg/kg	0.832	0.214	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Iron, Total	14700		mg/kg	4.16	0.751	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Lead, Total	2.68	J	mg/kg	4.16	0.223	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Magnesium, Total	2630		mg/kg	8.32	1.28	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Manganese, Total	596		mg/kg	0.832	0.132	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.069	0.045	1	09/16/19 09:30	09/16/19 20:15	EPA 7471B	1,7471B	GD
Nickel, Total	58.1		mg/kg	2.08	0.201	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Potassium, Total	2450		mg/kg	208	12.0	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Selenium, Total	0.249	J	mg/kg	1.66	0.214	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.832	0.235	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Sodium, Total	152	J	mg/kg	166	2.62	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.66	0.262	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Vanadium, Total	19.3		mg/kg	0.832	0.169	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Zinc, Total	45.1		mg/kg	4.16	0.244	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-12
Client ID: B-6 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8690		mg/kg	8.29	2.24	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.14	0.315	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Arsenic, Total	0.978		mg/kg	0.829	0.172	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Barium, Total	66.2		mg/kg	0.829	0.144	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Beryllium, Total	0.265	J	mg/kg	0.414	0.027	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.829	0.081	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Calcium, Total	454		mg/kg	8.29	2.90	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Chromium, Total	19.2		mg/kg	0.829	0.080	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Cobalt, Total	7.14		mg/kg	1.66	0.138	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Copper, Total	15.2		mg/kg	0.829	0.214	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Iron, Total	14000		mg/kg	4.14	0.748	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Lead, Total	2.49	J	mg/kg	4.14	0.222	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Magnesium, Total	2180		mg/kg	8.29	1.28	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Manganese, Total	482		mg/kg	0.829	0.132	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.069	0.045	1	09/16/19 09:30	09/16/19 20:17	EPA 7471B	1,7471B	GD
Nickel, Total	21.3		mg/kg	2.07	0.200	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Potassium, Total	2360		mg/kg	207	11.9	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Selenium, Total	0.265	J	mg/kg	1.66	0.214	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.829	0.234	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Sodium, Total	102	J	mg/kg	166	2.61	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.66	0.261	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Vanadium, Total	19.8		mg/kg	0.829	0.168	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Zinc, Total	19.2		mg/kg	4.14	0.243	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Lab Number: L1941309
Project Number: 10567
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-13
Client ID: B-6 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	13900		mg/kg	8.95	2.42	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.48	0.340	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Arsenic, Total	3.19		mg/kg	0.895	0.186	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Barium, Total	87.0		mg/kg	0.895	0.156	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Beryllium, Total	0.394	J	mg/kg	0.448	0.030	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.895	0.088	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Calcium, Total	1230		mg/kg	8.95	3.13	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Chromium, Total	24.1		mg/kg	0.895	0.086	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Cobalt, Total	9.09		mg/kg	1.79	0.148	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Copper, Total	15.0		mg/kg	0.895	0.231	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Iron, Total	18500		mg/kg	4.48	0.808	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Lead, Total	20.8		mg/kg	4.48	0.240	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Magnesium, Total	2900		mg/kg	8.95	1.38	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Manganese, Total	431		mg/kg	0.895	0.142	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.071	0.047	1	09/16/19 09:30	09/16/19 20:19	EPA 7471B	1,7471B	GD
Nickel, Total	17.2		mg/kg	2.24	0.217	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Potassium, Total	1540		mg/kg	224	12.9	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Selenium, Total	0.734	J	mg/kg	1.79	0.231	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.895	0.253	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Sodium, Total	89.0	J	mg/kg	179	2.82	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.79	0.282	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Vanadium, Total	28.7		mg/kg	0.895	0.182	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Zinc, Total	30.5		mg/kg	4.48	0.262	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Lab Number: L1941309
Project Number: 10567
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-14
Client ID: B-10 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5830		mg/kg	8.68	2.34	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.34	0.330	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Arsenic, Total	4.42		mg/kg	0.868	0.180	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Barium, Total	126		mg/kg	0.868	0.151	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Beryllium, Total	0.226	J	mg/kg	0.434	0.029	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.868	0.085	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Calcium, Total	111000		mg/kg	86.8	30.4	20	09/13/19 20:30	09/16/19 17:38	EPA 3050B	1,6010D	AB
Chromium, Total	10.2		mg/kg	0.868	0.083	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Cobalt, Total	3.69		mg/kg	1.74	0.144	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Copper, Total	12.4		mg/kg	0.868	0.224	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Iron, Total	7630		mg/kg	4.34	0.784	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Lead, Total	123		mg/kg	4.34	0.232	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Magnesium, Total	5110		mg/kg	8.68	1.34	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Manganese, Total	145		mg/kg	0.868	0.138	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.070	0.046	1	09/16/19 09:30	09/16/19 20:25	EPA 7471B	1,7471B	GD
Nickel, Total	5.75		mg/kg	2.17	0.210	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Potassium, Total	1270		mg/kg	217	12.5	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.74	0.224	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.868	0.246	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Sodium, Total	1310		mg/kg	174	2.73	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.74	0.273	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Vanadium, Total	22.0		mg/kg	0.868	0.176	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Zinc, Total	113		mg/kg	4.34	0.254	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-15
Client ID: B-10 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:25
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	15700		mg/kg	8.64	2.33	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.32	0.328	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Arsenic, Total	2.07		mg/kg	0.864	0.180	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Barium, Total	347		mg/kg	0.864	0.150	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Beryllium, Total	0.251	J	mg/kg	0.432	0.029	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.864	0.085	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Calcium, Total	15700		mg/kg	8.64	3.02	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Chromium, Total	31.7		mg/kg	0.864	0.083	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Cobalt, Total	13.8		mg/kg	1.73	0.144	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Copper, Total	53.7		mg/kg	0.864	0.223	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Iron, Total	21900		mg/kg	4.32	0.781	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Lead, Total	431		mg/kg	4.32	0.232	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Magnesium, Total	8750		mg/kg	8.64	1.33	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Manganese, Total	452		mg/kg	0.864	0.137	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.071	0.047	1	09/16/19 09:30	09/16/19 20:26	EPA 7471B	1,7471B	GD
Nickel, Total	22.0		mg/kg	2.16	0.209	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Potassium, Total	7040		mg/kg	216	12.4	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Selenium, Total	0.285	J	mg/kg	1.73	0.223	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.864	0.245	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Sodium, Total	1720		mg/kg	173	2.72	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.73	0.272	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Vanadium, Total	44.5		mg/kg	0.864	0.175	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Zinc, Total	204		mg/kg	4.32	0.253	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-16
Client ID: B-10 (11-12)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17400		mg/kg	8.47	2.29	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.24	0.322	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Arsenic, Total	0.949		mg/kg	0.847	0.176	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Barium, Total	295		mg/kg	0.847	0.147	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Beryllium, Total	0.161	J	mg/kg	0.424	0.028	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.847	0.083	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Calcium, Total	614		mg/kg	8.47	2.96	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Chromium, Total	37.5		mg/kg	0.847	0.081	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Cobalt, Total	16.8		mg/kg	1.69	0.141	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Copper, Total	94.8		mg/kg	0.847	0.219	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Iron, Total	29400		mg/kg	4.24	0.765	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Lead, Total	4.23	J	mg/kg	4.24	0.227	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Magnesium, Total	6860		mg/kg	8.47	1.30	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Manganese, Total	389		mg/kg	0.847	0.135	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.068	0.045	1	09/16/19 09:30	09/16/19 20:28	EPA 7471B	1,7471B	GD
Nickel, Total	17.7		mg/kg	2.12	0.205	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Potassium, Total	12000		mg/kg	212	12.2	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.69	0.219	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.847	0.240	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Sodium, Total	1450		mg/kg	169	2.67	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.69	0.267	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Vanadium, Total	52.4		mg/kg	0.847	0.172	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Zinc, Total	60.3		mg/kg	4.24	0.248	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Lab Number: L1941309
Project Number: 10567
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-17
Client ID: B-15 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7630		mg/kg	8.54	2.30	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.27	0.324	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Arsenic, Total	2.87		mg/kg	0.854	0.178	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Barium, Total	441		mg/kg	0.854	0.148	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Beryllium, Total	0.136	J	mg/kg	0.427	0.028	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Cadmium, Total	1.58		mg/kg	0.854	0.084	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Calcium, Total	21800		mg/kg	8.54	2.99	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Chromium, Total	16.2		mg/kg	0.854	0.082	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Cobalt, Total	7.13		mg/kg	1.71	0.142	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Copper, Total	28.8		mg/kg	0.854	0.220	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Iron, Total	13100		mg/kg	4.27	0.771	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Lead, Total	192		mg/kg	4.27	0.229	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Magnesium, Total	7570		mg/kg	8.54	1.31	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Manganese, Total	182		mg/kg	0.854	0.136	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.069	0.045	1	09/16/19 09:30	09/16/19 20:30	EPA 7471B	1,7471B	GD
Nickel, Total	11.1		mg/kg	2.13	0.206	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Potassium, Total	3360		mg/kg	213	12.3	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Selenium, Total	0.324	J	mg/kg	1.71	0.220	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.854	0.242	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Sodium, Total	416		mg/kg	171	2.69	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.71	0.269	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Vanadium, Total	29.4		mg/kg	0.854	0.173	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Zinc, Total	216		mg/kg	4.27	0.250	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-18
Client ID: B-15 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	13000		mg/kg	8.81	2.38	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.40	0.335	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Arsenic, Total	1.71		mg/kg	0.881	0.183	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Barium, Total	286		mg/kg	0.881	0.153	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Beryllium, Total	0.106	J	mg/kg	0.440	0.029	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.881	0.086	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Calcium, Total	28700		mg/kg	8.81	3.08	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Chromium, Total	26.3		mg/kg	0.881	0.085	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Cobalt, Total	11.4		mg/kg	1.76	0.146	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Copper, Total	25.9		mg/kg	0.881	0.227	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Iron, Total	18600		mg/kg	4.40	0.796	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Lead, Total	66.4		mg/kg	4.40	0.236	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Magnesium, Total	11300		mg/kg	8.81	1.36	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Manganese, Total	421		mg/kg	0.881	0.140	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.070	0.046	1	09/16/19 09:30	09/16/19 20:32	EPA 7471B	1,7471B	GD
Nickel, Total	20.7		mg/kg	2.20	0.213	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Potassium, Total	7930		mg/kg	220	12.7	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Selenium, Total	0.264	J	mg/kg	1.76	0.227	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.881	0.249	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Sodium, Total	404		mg/kg	176	2.78	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.76	0.278	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Vanadium, Total	41.4		mg/kg	0.881	0.179	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Zinc, Total	144		mg/kg	4.40	0.258	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-18 Batch: WG1283989-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Arsenic, Total	0.096	J	mg/kg	0.400	0.083	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Chromium, Total	0.052	J	mg/kg	0.400	0.038	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Iron, Total	ND		mg/kg	2.00	0.361	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Sodium, Total	2.87	J	mg/kg	80.0	1.26	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-18 Batch: WG1284527-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/16/19 09:30	09/16/19 19:43	1,7471B	GD

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-18 Batch: WG1283989-2 SRM Lot Number: D105-540								
Aluminum, Total	72		-		51-149	-		
Antimony, Total	152		-		19-249	-		
Arsenic, Total	103		-		70-130	-		
Barium, Total	106		-		75-125	-		
Beryllium, Total	107		-		75-125	-		
Cadmium, Total	105		-		75-125	-		
Calcium, Total	92		-		73-127	-		
Chromium, Total	96		-		70-130	-		
Cobalt, Total	96		-		75-125	-		
Copper, Total	106		-		75-125	-		
Iron, Total	85		-		38-162	-		
Lead, Total	94		-		71-128	-		
Magnesium, Total	86		-		63-137	-		
Manganese, Total	97		-		76-124	-		
Nickel, Total	99		-		70-131	-		
Potassium, Total	88		-		60-140	-		
Selenium, Total	102		-		63-137	-		
Silver, Total	105		-		69-131	-		
Sodium, Total	105		-		37-162	-		
Thallium, Total	102		-		68-132	-		
Vanadium, Total	94		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-18 Batch: WG1283989-2 SRM Lot Number: D105-540					
Zinc, Total	93	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-18 Batch: WG1284527-2 SRM Lot Number: D105-540					
Mercury, Total	85	-	60-141	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-18 QC Batch ID: WG1283989-3 QC Sample: L1941309-01 Client ID: B-2 (3-4)												
Aluminum, Total	11500	159	11600	**63**	Q	-	-		75-125	-		20
Antimony, Total	ND	39.8	34.0	85		-	-		75-125	-		20
Arsenic, Total	1.25	9.56	10.6	98		-	-		75-125	-		20
Barium, Total	104	159	257	96		-	-		75-125	-		20
Beryllium, Total	0.269J	3.98	3.99	100		-	-		75-125	-		20
Cadmium, Total	ND	4.06	3.33	82		-	-		75-125	-		20
Calcium, Total	638	797	1350	89		-	-		75-125	-		20
Chromium, Total	20.9	15.9	35.4	91		-	-		75-125	-		20
Cobalt, Total	7.86	39.8	42.8	88		-	-		75-125	-		20
Copper, Total	19.3	19.9	38.8	98		-	-		75-125	-		20
Iron, Total	16900	79.7	16800	**0**	Q	-	-		75-125	-		20
Lead, Total	3.53J	40.6	39.1	96		-	-		75-125	-		20
Magnesium, Total	3150	797	3970	103		-	-		75-125	-		20
Manganese, Total	381	39.8	407	**65**	Q	-	-		75-125	-		20
Nickel, Total	20.1	39.8	54.3	86		-	-		75-125	-		20
Potassium, Total	3300	797	4100	100		-	-		75-125	-		20
Selenium, Total	0.432J	9.56	9.31	97		-	-		75-125	-		20
Silver, Total	ND	23.9	23.1	97		-	-		75-125	-		20
Sodium, Total	144J	797	913	115		-	-		75-125	-		20
Thallium, Total	ND	9.56	7.60	79		-	-		75-125	-		20
Vanadium, Total	27.8	39.8	63.6	90		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-18 QC Batch ID: WG1283989-3 QC Sample: L1941309-01 Client ID: B-2 (3-4)										
Zinc, Total	46.9	39.8	83.1	91		-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-18 QC Batch ID: WG1284527-3 QC Sample: L1941309-01 Client ID: B-2 (3-4)										
Mercury, Total	ND	0.133	0.094	**70**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-18 QC Batch ID: WG1283989-4 QC Sample: L1941309-01 Client ID: B-2 (3-4)						
Aluminum, Total	11500	10400	mg/kg	10		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	1.25	2.61	mg/kg	**70**	Q	20
Barium, Total	104	91.1	mg/kg	13		20
Beryllium, Total	0.269J	0.268J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	638	614	mg/kg	4		20
Chromium, Total	20.9	16.8	mg/kg	**22**	Q	20
Cobalt, Total	7.86	7.05	mg/kg	11		20
Copper, Total	19.3	16.6	mg/kg	15		20
Iron, Total	16900	14800	mg/kg	13		20
Lead, Total	3.53J	3.85J	mg/kg	NC		20
Magnesium, Total	3150	2750	mg/kg	14		20
Manganese, Total	381	345	mg/kg	10		20
Nickel, Total	20.1	17.6	mg/kg	13		20
Potassium, Total	3300	2950	mg/kg	11		20
Selenium, Total	0.432J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	144J	130J	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-18 QC Batch ID: WG1283989-4 QC Sample: L1941309-01 Client ID: B-2 (3-4)					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	27.8	23.0	mg/kg	19	20
Zinc, Total	46.9	43.9	mg/kg	7	20
Total Metals - Mansfield Lab Associated sample(s): 01-18 QC Batch ID: WG1284527-4 QC Sample: L1941309-01 Client ID: B-2 (3-4)					
Mercury, Total	ND	ND	mg/kg	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-01
Client ID: B-2 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 09/10/19 09:40
Date Received: 09/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.6		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	0.96	0.20	1	09/11/19 16:20	09/12/19 12:24	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-02
Client ID: B-2 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 09/10/19 09:45
Date Received: 09/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.7		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/11/19 16:20	09/12/19 12:25	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-03
Client ID: B-7 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 09/10/19 10:20
Date Received: 09/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.5		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	9.2		mg/kg	1.2	0.25	1	09/11/19 16:20	09/12/19 12:26	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-04
Client ID: B-16 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 09/10/19 10:30
Date Received: 09/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.1		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	09/11/19 16:20	09/12/19 13:40	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-05
Client ID: B-16 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 09/10/19 10:35
Date Received: 09/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/11/19 16:20	09/12/19 12:30	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-06
Client ID: B-1 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 09/10/19 10:40
Date Received: 09/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.8		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	09/11/19 16:20	09/12/19 12:33	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-07
Client ID: B-1 (5-6)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 09/10/19 11:10
Date Received: 09/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.4		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	0.99	0.21	1	09/11/19 16:20	09/12/19 12:34	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-08
Client ID: B-1 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.4		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	0.97	0.20	1	09/11/19 16:20	09/12/19 12:35	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-09
Client ID: B-11 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 09/10/19 11:55
Date Received: 09/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/11/19 16:20	09/12/19 12:36	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-10
Client ID: B-11 (0-1)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.4		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	0.65	J	mg/kg	1.1	0.24	1	09/11/19 16:20	09/12/19 12:37	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-11
Client ID: B-6 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/11/19 16:20	09/12/19 12:38	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-12
Client ID: B-6 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 09/10/19 12:50
Date Received: 09/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.2		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/11/19 16:20	09/12/19 12:58	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-13
Client ID: B-6 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 09/10/19 12:40
Date Received: 09/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.6		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	09/12/19 10:00	09/12/19 13:36	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-14
Client ID: B-10 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 09/10/19 13:20
Date Received: 09/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/12/19 10:00	09/12/19 13:37	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-15
Client ID: B-10 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 09/10/19 13:25
Date Received: 09/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.9		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/12/19 12:30	09/12/19 14:59	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-16
Client ID: B-10 (11-12)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.2		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/12/19 12:30	09/12/19 15:02	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-17
Client ID: B-15 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 09/10/19 13:40
Date Received: 09/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.4		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/12/19 12:30	09/12/19 15:03	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 09/17/19

SAMPLE RESULTS

Lab ID: L1941309-18
Client ID: B-15 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 09/10/19 13:50
Date Received: 09/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/12/19 12:30	09/12/19 15:04	1,9010C/9012B	LH

Project Name:

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG1282897-1										
Cyanide, Total	ND		mg/kg	0.93	0.20	1	09/11/19 16:20	09/12/19 12:08	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 05-12 Batch: WG1282900-1										
Cyanide, Total	ND		mg/kg	0.93	0.20	1	09/11/19 16:20	09/12/19 12:10	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 13-14 Batch: WG1282962-1										
Cyanide, Total	ND		mg/kg	0.92	0.20	1	09/12/19 10:00	09/12/19 13:00	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 15-18 Batch: WG1283241-1										
Cyanide, Total	ND		mg/kg	0.93	0.20	1	09/12/19 12:30	09/12/19 14:38	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1282897-2 WG1282897-3								
Cyanide, Total	93		80		80-120	15		35
General Chemistry - Westborough Lab Associated sample(s): 05-12 Batch: WG1282900-2 WG1282900-3								
Cyanide, Total	93		81		80-120	15		35
General Chemistry - Westborough Lab Associated sample(s): 13-14 Batch: WG1282962-2 WG1282962-3								
Cyanide, Total	88		**74**	Q	80-120	20		35
General Chemistry - Westborough Lab Associated sample(s): 15-18 Batch: WG1283241-2 WG1283241-3								
Cyanide, Total	82		**70**	Q	80-120	16		35

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1282897-4 WG1282897-5 QC Sample: L1941307-06 Client ID: MS Sample												
Cyanide, Total	ND	11	11	100		10	100		75-125	10		35
General Chemistry - Westborough Lab Associated sample(s): 05-12 QC Batch ID: WG1282900-4 WG1282900-5 QC Sample: L1941309-05 Client ID: B-16 (7-8)												
Cyanide, Total	ND	10	10	96		9.7	96		75-125	3		35
General Chemistry - Westborough Lab Associated sample(s): 13-14 QC Batch ID: WG1282962-4 WG1282962-5 QC Sample: L1941288-02 Client ID: MS Sample												
Cyanide, Total	1.1J	12	11	85		12	100		75-125	9		35
General Chemistry - Westborough Lab Associated sample(s): 15-18 QC Batch ID: WG1283241-4 WG1283241-5 QC Sample: L1941416-01 Client ID: MS Sample												
Cyanide, Total	0.36J	11	11	99		10	90		75-125	10		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 09/17/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG1282781-1 QC Sample: L1941309-01 Client ID: B-2 (3-4)						
Solids, Total	95.6	95.7	%	0		20

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941309-01A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-01B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-01C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-01D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941309-01E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-01F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-01X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-01Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-01Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-02A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-02B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-02C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-02D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941309-02E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-02F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-02X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-02Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941309-02Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-03A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-03B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-03C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-03D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941309-03E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-03F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-03X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-03Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-03Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-04A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-04B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-04C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-04D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941309-04E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-04F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-04X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-04Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-04Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-05A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-05B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-05C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941309-05D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941309-05E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-05F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-05X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-05Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-05Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-06A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-06B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-06C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-06D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941309-06E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-06F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-06X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-06Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-06Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-07A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-07B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-07C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-07D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941309-07E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941309-07F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-07X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-07Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-07Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-08A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-08B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-08C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-08D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941309-08E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-08F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-08X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-08Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-08Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-09A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-09B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-09C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-09D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941309-09E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-09F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-09X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-09Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-09Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-10A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941309-10B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-10C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-10D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941309-10E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-10F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-10X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-10Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-10Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-11A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-11B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-11C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-11D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941309-11E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-11F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-11X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-11Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-11Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-12A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-12B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-12C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941309-12D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941309-12E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-12F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-12X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-12Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-12Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-13A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-13B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-13C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-13D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941309-13E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-13F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-13X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-13Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-13Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-14A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-14B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-14C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-14D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941309-14E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941309-14F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-14X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-14Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-14Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-15A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-15B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-15C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-15D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941309-15E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-15F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-15X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-15Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-15Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-16A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-16B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-16C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-16D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941309-16E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-16F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-16X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-16Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-16Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-17A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 09/17/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941309-17B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-17C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-17D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941309-17E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-17F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-17X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-17Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-17Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-18A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-18B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-18C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-18D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941309-18E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-18F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-18X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-18Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-18Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-19A	Plastic 250ml unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name:	Not Specified	**Lab Number:**	L1941309
Project Number:	10567	**Report Date:**	09/17/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	Not Specified	**Lab Number:**	L1941309
Project Number:	10567	**Report Date:**	09/17/19

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

Terms

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	Not Specified	**Lab Number:**	L1941309
Project Number:	10567	**Report Date:**	09/17/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 1 of 2

Date Rec'd in Lab: 9/11/19

ALPHA Job #: L1941309

Client Information
Client: SESI
Address: 12 n Maple ave
Pine Brook, NJ
Phone: 973 808 4050
Fax:
Email: JAM@SESI.org

Project Information
Project Name:
Project Location: 33 Centre ave, New Rochelle, NY
Project #: 10567
(Use Project name as Project #): ☒
Project Manager: Jesse Mawhinney
ALPHAQuote #:

Turn-Around Time
Standard ☒ 1 week Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other email/excel

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO # 10567 Phase I

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS
TCL+30 TAL | PFAS | 1,4 Dioxane

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+30 TAL	PFAS	1,4 Dioxane	Sample Specific Comments
L1941309 01	B-2 (3-4)	9/10/19	940	SO:1	JCS	X	X	X	
02	B-2 (6-7)		945						
03	B-7 (1-2)		1020						
04	B-16 (3-4)		1030						
05	B-16 (7-8)		1035						
06	B-1 (2-3)		1040						
07	B-1 (5-6)		1110						
08	B-1 (10-11)		1120						
09	B-11 (6-7)		1155						
10	B-11 (0-1)		1150						

Container Type: G,E | P | G,
Preservative: A | A | A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	9/10/19		09/10/19 15:22
	09/10/19 17:36		9/11/19 1945
	9/11/19 0015		9/11/19 0015

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 9/11/19

ALPHA Job #: L1941309

Client Information
Client: SESI
Address: 12A Maple ave
Pine Brook, NJ
Phone: 973 808 9050
Fax:
Email: JAM@sesi.org

Project Information
Project Name:
Project Location: 33 Centre ave, New Rochelle, NY
Project #: 10567
(Use Project name as Project #) [X]
Project Manager: Sesee Mansher
ALPHAQuote #:

Turn-Around Time
Standard [X] 1week Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other email, excel

Regulatory Requirement
[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[X] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information
[X] Same as Client Info
PO # 10567 Phase 1

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
TCL+30/TAL | PFAS | 1,4 Dioxane

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Sample Specific Comments

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+30/TAL	PFAS	1,4 Dioxane
41309-11	B-6(10-11)	9/10/19	1255	SO1	SES	X	X	X
-12	B-6(7-8)		1250					
-13	B-6(1-2)		1240					
-14	B-10(2-3)		1320					
-15	B-10(7-8)		1325					
-16	B-10(11-12)		1330					
-17	B-15(3-4)		1340					
-18	B-15(6-7)		1350					
-19	FB		1500				X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	G,E	P	G					
Preservative	A	A	A					

Relinquished By:	Date/Time	Received By:	Date/Time
	9/10/19		9/10/19 15:22
	09/10/19 17:36		9/10/19 19:30
	9/11/19 0015		9/11/19 00:15

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1941309
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	Not Specified
Project Number:	10567
Report Date:	10/18/19

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

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

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

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1941309-01	B-2 (3-4)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 09:40	09/10/19
L1941309-02	B-2 (6-7)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 09:45	09/10/19
L1941309-03	B-7 (1-2)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 10:20	09/10/19
L1941309-04	B-16 (3-4)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 10:30	09/10/19
L1941309-05	B-16 (7-8)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 10:35	09/10/19
L1941309-06	B-1 (2-3)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 10:40	09/10/19
L1941309-07	B-1 (5-6)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 11:10	09/10/19
L1941309-08	B-1 (10-11)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 11:20	09/10/19
L1941309-09	B-11 (6-7)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 11:55	09/10/19
L1941309-10	B-11 (0-1)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 11:50	09/10/19
L1941309-11	B-6 (10-11)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 12:55	09/10/19
L1941309-12	B-6 (7-8)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 12:50	09/10/19
L1941309-13	B-6 (1-2)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 12:40	09/10/19
L1941309-14	B-10 (2-3)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 13:20	09/10/19
L1941309-15	B-10 (7-8)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 13:25	09/10/19
L1941309-16	B-10 (11-12)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 13:30	09/10/19
L1941309-17	B-15 (3-4)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 13:40	09/10/19
L1941309-18	B-15 (6-7)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 13:50	09/10/19
L1941309-19	FB	WATER	33 CENTRE AVE., NEW ROCHELLE, NY	09/10/19 15:00	09/10/19

Project Name:	Not Specified	**Lab Number:**	L1941309
Project Number:	10567	**Report Date:**	10/18/19

Case Narrative

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

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

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

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

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

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

Project Name:	Not Specified	**Lab Number:**	L1941309
Project Number:	10567	**Report Date:**	10/18/19

Case Narrative (continued)

Report Submission

October 18, 2019: This final report includes the results of all requested analyses.

October 03, 2019: This is a preliminary report.

September 25, 2019: This is a preliminary report.

September 17, 2019: This is a preliminary report.

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

Volatile Organics

L1941309-05, -17, and -18 was analyzed as a High Level Methanol in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies. Further re-analysis could not be performed due to the existing vials being compromised.

Semivolatile Organics

L1941309-18: The surrogate recoveries are above the acceptance criteria for phenol-d6 (122%) and 2,4,6-tribromophenol (152%). Since the sample was non-detect for all target analytes, re-analysis was not required.

Perfluorinated Alkyl Acids by Isotope Dilution

L1941309-01 and -07: The reporting limit was elevated for Perfluorooctanesulfonamide (FOSA) due to low recovery of the extracted internal standard Perfluoro[13C8]Octanesulfonamide (M8FOSA). The low recovery was attributed to the sample matrix.

L1941309-01, -06, -07, -10, -12, -13, WG1287776-1/-2/-3/-4, and WG1290300-2: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

Project Name: Not Specified **Lab Number:** L1941309
Project Number: 10567 **Report Date:** 10/18/19

Case Narrative (continued)

WG1289935-4: The continuing calibration standard had the response for PFDoS above the acceptance criteria for the method. The associated samples were non-detect; therefore, no further action was taken.
WG1289935-5: The continuing calibration standard had the response for Perfluorohexanesulfonic Acid-Branched (br-PFHxS), outside of acceptance criteria. The response for Perfluorohexanesulfonic Acid (PFHxS) was within acceptance criteria; therefore, no further action was taken.
WG1289935-7: The continuing calibration standard had the response for Perfluoroctanesulfonic Acid-Branched (br-PFOS) outside of acceptance criteria. The response for Perfluorooctanesulfonic Acid (PFOS) was within acceptance criteria; therefore, no further action was taken.
WG1289935-5: The continuing calibration standard had the response for PFHpS outside the acceptance criteria for the method. This value represents less than 10% of all compounds; therefore, the calibration was accepted.
The WG1287720-2 LCS recovery, associated with L1941309-19, is above the acceptance criteria for perfluorotridecanoic acid (pftrda) (163%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.
The WG1287776-2/-3 LCS/LCSD recoveries, associated with L1941309-01 through -11, -13 through -18, are below the acceptance criteria for perfluorooctanesulfonamide (fosa) (32%/164%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported. The WG1287776-2/-3 LCS/LCSD RPD is above the acceptance criteria for perfluorooctanesulfonamide (fosa) (135%).
The WG1287776-4 MS recovery, performed on L1941309-01, is outside the acceptance criteria for n-methyl perfluorooctanesulfonamidoacetic acid (nmefosaa) (150%).

Total Metals
L1941309-01 through -18: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.
The WG1283989-3 MS recoveries for aluminum (63%), iron (0%), and manganese (65%), performed on L1941309-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

Case Narrative (continued)

The WG1284527-3 MS recovery, performed on L1941309-01, is outside the acceptance criteria for mercury (70%). A post digestion spike was performed and was within acceptance criteria.
The WG1283989-4 Laboratory Duplicate RPDs for arsenic (70%) and chromium (22%), performed on L1941309-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

Cyanide, Total
The WG1282962-3 LCSD recovery (74%), associated with L1941309-13 and -14, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.
The WG1283241-3 LCSD recovery (70%), associated with L1941309-15 through -18, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature: Caitlin Walukevich

Title: Technical Director/Representative Date: 10/18/19

ORGANICS

VOLATILES

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-01
Client ID: B-2 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 09:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 12:10
Analyst: JC
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.16	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.93	0.50	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	0.55	J	ug/kg	1.4	0.13	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-01 Date Collected: 09/10/19 09:40

Client ID: B-2 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	2.7		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	0.68	J	ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	0.55	J	ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	86		ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.1	1
Vinyl acetate	ND		ug/kg	9.3	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.13	1
n-Butylbenzene	ND		ug/kg	0.93	0.16	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.93	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-01 Date Collected: 09/10/19 09:40

Client ID: B-2 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.93	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	74	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.16	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	2.84	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	2.84	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-02
Client ID: B-2 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 09:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/15/19 23:21
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	1.8		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	0.28	J	ug/kg	1.5	0.14	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-02 Date Collected: 09/10/19 09:45

Client ID: B-2 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	34		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.28	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	120		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.65	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-02 Date Collected: 09/10/19 09:45

Client ID: B-2 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	80	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1

Tentatively Identified Compounds						
Total TIC Compounds	38.5	J	ug/kg			1
Unknown Alkane	2.52	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	2.60	NJ	ug/kg			1
Unknown	30.7	J	ug/kg			1
Unknown Alkane	2.68	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-03
Client ID: B-7 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 11:22
Analyst: JC
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	320	140	1
1,1-Dichloroethane	ND		ug/kg	63	9.2	1
Chloroform	ND		ug/kg	95	8.9	1
Carbon tetrachloride	ND		ug/kg	63	15.	1
1,2-Dichloropropane	ND		ug/kg	63	7.9	1
Dibromochloromethane	ND		ug/kg	63	8.9	1
1,1,2-Trichloroethane	ND		ug/kg	63	17.	1
Tetrachloroethene	63		ug/kg	32	12.	1
Chlorobenzene	ND		ug/kg	32	8.1	1
Trichlorofluoromethane	ND		ug/kg	250	44.	1
1,2-Dichloroethane	ND		ug/kg	63	16.	1
1,1,1-Trichloroethane	59		ug/kg	32	11.	1
Bromodichloromethane	ND		ug/kg	32	6.9	1
trans-1,3-Dichloropropene	ND		ug/kg	63	17.	1
cis-1,3-Dichloropropene	ND		ug/kg	32	10.	1
1,3-Dichloropropene, Total	ND		ug/kg	32	10.	1
1,1-Dichloropropene	ND		ug/kg	32	10.	1
Bromoform	ND		ug/kg	250	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	32	10.	1
Benzene	ND		ug/kg	32	10.	1
Toluene	ND		ug/kg	63	34.	1
Ethylbenzene	ND		ug/kg	63	9.0	1
Chloromethane	ND		ug/kg	250	59.	1
Bromomethane	ND		ug/kg	130	37.	1
Vinyl chloride	ND		ug/kg	63	21.	1
Chloroethane	ND		ug/kg	130	29.	1
1,1-Dichloroethene	ND		ug/kg	63	15.	1
trans-1,2-Dichloroethene	ND		ug/kg	95	8.7	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-03 Date Collected: 09/10/19 10:20

Client ID: B-7 (1-2) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	920		ug/kg	32	8.7	1
1,2-Dichlorobenzene	ND		ug/kg	130	9.1	1
1,3-Dichlorobenzene	ND		ug/kg	130	9.4	1
1,4-Dichlorobenzene	ND		ug/kg	130	11.	1
Methyl tert butyl ether	ND		ug/kg	130	13.	1
p/m-Xylene	ND		ug/kg	130	36.	1
o-Xylene	ND		ug/kg	63	18.	1
Xylenes, Total	ND		ug/kg	63	18.	1
cis-1,2-Dichloroethene	ND		ug/kg	63	11.	1
1,2-Dichloroethene, Total	ND		ug/kg	63	8.7	1
Dibromomethane	ND		ug/kg	130	15.	1
Styrene	ND		ug/kg	63	12.	1
Dichlorodifluoromethane	ND		ug/kg	630	58.	1
Acetone	ND		ug/kg	630	300	1
Carbon disulfide	ND		ug/kg	630	290	1
2-Butanone	ND		ug/kg	630	140	1
Vinyl acetate	ND		ug/kg	630	140	1
4-Methyl-2-pentanone	ND		ug/kg	630	81.	1
1,2,3-Trichloropropane	ND		ug/kg	130	8.1	1
2-Hexanone	ND		ug/kg	630	75.	1
Bromochloromethane	ND		ug/kg	130	13.	1
2,2-Dichloropropane	ND		ug/kg	130	13.	1
1,2-Dibromoethane	ND		ug/kg	63	18.	1
1,3-Dichloropropane	ND		ug/kg	130	11.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	32	8.4	1
Bromobenzene	ND		ug/kg	130	9.2	1
n-Butylbenzene	ND		ug/kg	63	11.	1
sec-Butylbenzene	ND		ug/kg	63	9.3	1
tert-Butylbenzene	ND		ug/kg	130	7.5	1
o-Chlorotoluene	ND		ug/kg	130	12.	1
p-Chlorotoluene	ND		ug/kg	130	6.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	190	63.	1
Hexachlorobutadiene	ND		ug/kg	250	11.	1
Isopropylbenzene	ND		ug/kg	63	6.9	1
p-Isopropyltoluene	ND		ug/kg	63	6.9	1
Naphthalene	ND		ug/kg	250	41.	1
Acrylonitrile	ND		ug/kg	250	73.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-03 Date Collected: 09/10/19 10:20

Client ID: B-7 (1-2) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	63	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	130	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	17.	1
1,3,5-Trimethylbenzene	ND		ug/kg	130	12.	1
1,2,4-Trimethylbenzene	ND		ug/kg	130	21.	1
1,4-Dioxane	ND		ug/kg	5100	2200	1
p-Diethylbenzene	ND		ug/kg	130	11.	1
p-Ethyltoluene	ND		ug/kg	130	24.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	130	12.	1
Ethyl ether	ND		ug/kg	130	22.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	320	90.	1
Tentatively Identified Compounds						
Total TIC Compounds	416	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	156	NJ	ug/kg			1
Unknown	260	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	93		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-04
Client ID: B-16 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 11:46
Analyst: JC
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	230	110	1
1,1-Dichloroethane	ND		ug/kg	46	6.7	1
Chloroform	ND		ug/kg	70	6.5	1
Carbon tetrachloride	ND		ug/kg	46	11.	1
1,2-Dichloropropane	ND		ug/kg	46	5.8	1
Dibromochloromethane	ND		ug/kg	46	6.5	1
1,1,2-Trichloroethane	ND		ug/kg	46	12.	1
Tetrachloroethene	ND		ug/kg	23	9.1	1
Chlorobenzene	ND		ug/kg	23	5.9	1
Trichlorofluoromethane	ND		ug/kg	180	32.	1
1,2-Dichloroethane	ND		ug/kg	46	12.	1
1,1,1-Trichloroethane	81		ug/kg	23	7.7	1
Bromodichloromethane	ND		ug/kg	23	5.0	1
trans-1,3-Dichloropropene	ND		ug/kg	46	13.	1
cis-1,3-Dichloropropene	ND		ug/kg	23	7.3	1
1,3-Dichloropropene, Total	ND		ug/kg	23	7.3	1
1,1-Dichloropropene	ND		ug/kg	23	7.4	1
Bromoform	ND		ug/kg	180	11.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	23	7.7	1
Benzene	ND		ug/kg	23	7.7	1
Toluene	ND		ug/kg	46	25.	1
Ethylbenzene	ND		ug/kg	46	6.5	1
Chloromethane	ND		ug/kg	180	43.	1
Bromomethane	ND		ug/kg	93	27.	1
Vinyl chloride	ND		ug/kg	46	16.	1
Chloroethane	ND		ug/kg	93	21.	1
1,1-Dichloroethene	ND		ug/kg	46	11.	1
trans-1,2-Dichloroethene	ND		ug/kg	70	6.4	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-04 Date Collected: 09/10/19 10:30

Client ID: B-16 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	1500		ug/kg	23	6.4	1
1,2-Dichlorobenzene	ND		ug/kg	93	6.7	1
1,3-Dichlorobenzene	ND		ug/kg	93	6.9	1
1,4-Dichlorobenzene	ND		ug/kg	93	7.9	1
Methyl tert butyl ether	ND		ug/kg	93	9.3	1
p/m-Xylene	ND		ug/kg	93	26.	1
o-Xylene	ND		ug/kg	46	14.	1
Xylenes, Total	ND		ug/kg	46	14.	1
cis-1,2-Dichloroethene	ND		ug/kg	46	8.1	1
1,2-Dichloroethene, Total	ND		ug/kg	46	6.4	1
Dibromomethane	ND		ug/kg	93	11.	1
Styrene	ND		ug/kg	46	9.1	1
Dichlorodifluoromethane	ND		ug/kg	460	42.	1
Acetone	ND		ug/kg	460	220	1
Carbon disulfide	ND		ug/kg	460	210	1
2-Butanone	ND		ug/kg	460	100	1
Vinyl acetate	ND		ug/kg	460	100	1
4-Methyl-2-pentanone	ND		ug/kg	460	59.	1
1,2,3-Trichloropropane	ND		ug/kg	93	5.9	1
2-Hexanone	ND		ug/kg	460	55.	1
Bromochloromethane	ND		ug/kg	93	9.5	1
2,2-Dichloropropane	ND		ug/kg	93	9.4	1
1,2-Dibromoethane	ND		ug/kg	46	13.	1
1,3-Dichloropropane	ND		ug/kg	93	7.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	23	6.1	1
Bromobenzene	ND		ug/kg	93	6.7	1
n-Butylbenzene	ND		ug/kg	46	7.7	1
sec-Butylbenzene	ND		ug/kg	46	6.8	1
tert-Butylbenzene	ND		ug/kg	93	5.5	1
o-Chlorotoluene	ND		ug/kg	93	8.9	1
p-Chlorotoluene	ND		ug/kg	93	5.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	140	46.	1
Hexachlorobutadiene	ND		ug/kg	180	7.8	1
Isopropylbenzene	ND		ug/kg	46	5.0	1
p-Isopropyltoluene	ND		ug/kg	46	5.0	1
Naphthalene	ND		ug/kg	180	30.	1
Acrylonitrile	ND		ug/kg	180	53.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-04 Date Collected: 09/10/19 10:30

Client ID: B-16 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	46	7.9	1
1,2,3-Trichlorobenzene	ND		ug/kg	93	15.	1
1,2,4-Trichlorobenzene	ND		ug/kg	93	13.	1
1,3,5-Trimethylbenzene	ND		ug/kg	93	9.0	1
1,2,4-Trimethylbenzene	ND		ug/kg	93	15.	1
1,4-Dioxane	ND		ug/kg	3700	1600	1
p-Diethylbenzene	ND		ug/kg	93	8.2	1
p-Ethyltoluene	ND		ug/kg	93	18.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	93	8.9	1
Ethyl ether	ND		ug/kg	93	16.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	230	66.	1
Tentatively Identified Compounds						
Total TIC Compounds	117	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	117	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	92		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-05
Client ID: B-16 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:35
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/15/19 23:46
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	0.38	J	ug/kg	0.96	0.14	1
Chloroform	0.25	J	ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.96	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.96	0.12	1
Dibromochloromethane	ND		ug/kg	0.96	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	0.26	1
Tetrachloroethene	0.55		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.25	1
1,1,1-Trichloroethane	8.9		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.96	0.52	1
Ethylbenzene	ND		ug/kg	0.96	0.14	1
Chloromethane	ND		ug/kg	3.8	0.89	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.96	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	0.26	J	ug/kg	0.96	0.23	1
trans-1,2-Dichloroethene	0.55	J	ug/kg	1.4	0.13	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-05 Date Collected: 09/10/19 10:35

Client ID: B-16 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	230		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	0.67	J	ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.96	0.28	1
Xylenes, Total	ND		ug/kg	0.96	0.28	1
cis-1,2-Dichloroethene	0.30	J	ug/kg	0.96	0.17	1
1,2-Dichloroethene, Total	0.85	J	ug/kg	0.96	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.96	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.88	1
Acetone	450	E	ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	5.4	J	ug/kg	9.6	2.1	1
Vinyl acetate	ND		ug/kg	9.6	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.6	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.96	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.96	0.16	1
sec-Butylbenzene	ND		ug/kg	0.96	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.96	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-05 Date Collected: 09/10/19 10:35

Client ID: B-16 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.96	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	77	34.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-05
Client ID: B-16 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:35
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 22:17
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	250	110	1
1,1-Dichloroethane	ND		ug/kg	49	7.1	1
Chloroform	11	J	ug/kg	74	6.9	1
Carbon tetrachloride	ND		ug/kg	49	11.	1
1,2-Dichloropropane	ND		ug/kg	49	6.2	1
Dibromochloromethane	ND		ug/kg	49	6.9	1
1,1,2-Trichloroethane	ND		ug/kg	49	13.	1
Tetrachloroethene	ND		ug/kg	25	9.6	1
Chlorobenzene	ND		ug/kg	25	6.2	1
Trichlorofluoromethane	ND		ug/kg	200	34.	1
1,2-Dichloroethane	ND		ug/kg	49	13.	1
1,1,1-Trichloroethane	36		ug/kg	25	8.2	1
Bromodichloromethane	ND		ug/kg	25	5.4	1
trans-1,3-Dichloropropene	ND		ug/kg	49	13.	1
cis-1,3-Dichloropropene	ND		ug/kg	25	7.8	1
1,3-Dichloropropene, Total	ND		ug/kg	25	7.8	1
1,1-Dichloropropene	ND		ug/kg	25	7.8	1
Bromoform	ND		ug/kg	200	12.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.2	1
Benzene	ND		ug/kg	25	8.2	1
Toluene	ND		ug/kg	49	27.	1
Ethylbenzene	ND		ug/kg	49	6.9	1
Chloromethane	ND		ug/kg	200	46.	1
Bromomethane	ND		ug/kg	98	29.	1
Vinyl chloride	ND		ug/kg	49	16.	1
Chloroethane	ND		ug/kg	98	22.	1
1,1-Dichloroethene	ND		ug/kg	49	12.	1
trans-1,2-Dichloroethene	ND		ug/kg	74	6.7	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-05 Date Collected: 09/10/19 10:35

Client ID: B-16 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	550		ug/kg	25	6.7	1
1,2-Dichlorobenzene	ND		ug/kg	98	7.1	1
1,3-Dichlorobenzene	ND		ug/kg	98	7.3	1
1,4-Dichlorobenzene	ND		ug/kg	98	8.4	1
Methyl tert butyl ether	ND		ug/kg	98	9.9	1
p/m-Xylene	ND		ug/kg	98	28.	1
o-Xylene	ND		ug/kg	49	14.	1
Xylenes, Total	ND		ug/kg	49	14.	1
cis-1,2-Dichloroethene	ND		ug/kg	49	8.6	1
1,2-Dichloroethene, Total	ND		ug/kg	49	6.7	1
Dibromomethane	ND		ug/kg	98	12.	1
Styrene	ND		ug/kg	49	9.6	1
Dichlorodifluoromethane	ND		ug/kg	490	45.	1
Acetone	ND		ug/kg	490	240	1
Carbon disulfide	ND		ug/kg	490	220	1
2-Butanone	ND		ug/kg	490	110	1
Vinyl acetate	ND		ug/kg	490	100	1
4-Methyl-2-pentanone	ND		ug/kg	490	63.	1
1,2,3-Trichloropropane	ND		ug/kg	98	6.2	1
2-Hexanone	ND		ug/kg	490	58.	1
Bromochloromethane	ND		ug/kg	98	10.	1
2,2-Dichloropropane	ND		ug/kg	98	9.9	1
1,2-Dibromoethane	ND		ug/kg	49	14.	1
1,3-Dichloropropane	ND		ug/kg	98	8.2	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.5	1
Bromobenzene	ND		ug/kg	98	7.1	1
n-Butylbenzene	ND		ug/kg	49	8.2	1
sec-Butylbenzene	ND		ug/kg	49	7.2	1
tert-Butylbenzene	ND		ug/kg	98	5.8	1
o-Chlorotoluene	ND		ug/kg	98	9.4	1
p-Chlorotoluene	ND		ug/kg	98	5.3	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	49.	1
Hexachlorobutadiene	ND		ug/kg	200	8.3	1
Isopropylbenzene	ND		ug/kg	49	5.4	1
p-Isopropyltoluene	ND		ug/kg	49	5.4	1
Naphthalene	ND		ug/kg	200	32.	1
Acrylonitrile	ND		ug/kg	200	57.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-05 Date Collected: 09/10/19 10:35

Client ID: B-16 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	49	8.4	1
1,2,3-Trichlorobenzene	ND		ug/kg	98	16.	1
1,2,4-Trichlorobenzene	ND		ug/kg	98	13.	1
1,3,5-Trimethylbenzene	ND		ug/kg	98	9.5	1
1,2,4-Trimethylbenzene	ND		ug/kg	98	16.	1
1,4-Dioxane	ND		ug/kg	3900	1700	1
p-Diethylbenzene	ND		ug/kg	98	8.7	1
p-Ethyltoluene	ND		ug/kg	98	19.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	98	9.4	1
Ethyl ether	ND		ug/kg	98	17.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	70.	1
Tentatively Identified Compounds						
Total TIC Compounds	145	J	ug/kg			1
Unknown	145	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	104		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-06
Client ID: B-1 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 00:10
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	0.17	J	ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.95	0.52	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.22	1
trans-1,2-Dichloroethene	0.54	J	ug/kg	1.4	0.13	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-06 Date Collected: 09/10/19 10:40

Client ID: B-1 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	14		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	0.67	J	ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
Xylenes, Total	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.17	1
1,2-Dichloroethene, Total	0.54	J	ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.95	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	160		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	2.4	J	ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-06 Date Collected: 09/10/19 10:40

Client ID: B-1 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.95	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	10.5	J	ug/kg			1
Unknown	5.69	J	ug/kg			1
Unknown	2.58	J	ug/kg			1
Unknown	2.23	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-07
Client ID: B-1 (5-6)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 00:34
Analyst: NLK
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	2.2	J	ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.16	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.93	0.50	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	0.68	J	ug/kg	1.4	0.13	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-07 Date Collected: 09/10/19 11:10

Client ID: B-1 (5-6) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	4.4		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	0.68	J	ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	180		ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.1	1
Vinyl acetate	ND		ug/kg	9.3	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.13	1
n-Butylbenzene	ND		ug/kg	0.93	0.16	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.93	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-07 Date Collected: 09/10/19 11:10

Client ID: B-1 (5-6) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.93	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	74	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.16	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	53.5	J	ug/kg			1
Ethyl Acetate	50.7	NJ	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	2.83	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-08
Client ID: B-1 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 00:58
Analyst: NLK
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.87	0.12	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.87	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.87	0.11	1
Dibromochloromethane	ND		ug/kg	0.87	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.87	0.23	1
Tetrachloroethene	ND		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.60	1
1,2-Dichloroethane	ND		ug/kg	0.87	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.87	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.43	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.43	0.14	1
Bromoform	ND		ug/kg	3.5	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	0.14	1
Benzene	ND		ug/kg	0.43	0.14	1
Toluene	ND		ug/kg	0.87	0.47	1
Ethylbenzene	ND		ug/kg	0.87	0.12	1
Chloromethane	ND		ug/kg	3.5	0.81	1
Bromomethane	ND		ug/kg	1.7	0.50	1
Vinyl chloride	ND		ug/kg	0.87	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.87	0.21	1
trans-1,2-Dichloroethene	0.56	J	ug/kg	1.3	0.12	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-08 Date Collected: 09/10/19 11:20

Client ID: B-1 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.0		ug/kg	0.43	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	0.46	J	ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.48	1
o-Xylene	ND		ug/kg	0.87	0.25	1
Xylenes, Total	ND		ug/kg	0.87	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.87	0.15	1
1,2-Dichloroethene, Total	0.56	J	ug/kg	0.87	0.12	1
Dibromomethane	ND		ug/kg	1.7	0.21	1
Styrene	ND		ug/kg	0.87	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.7	0.79	1
Acetone	260		ug/kg	8.7	4.2	1
Carbon disulfide	ND		ug/kg	8.7	3.9	1
2-Butanone	3.5	J	ug/kg	8.7	1.9	1
Vinyl acetate	ND		ug/kg	8.7	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.7	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.7	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.87	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.43	0.11	1
Bromobenzene	ND		ug/kg	1.7	0.12	1
n-Butylbenzene	ND		ug/kg	0.87	0.14	1
sec-Butylbenzene	ND		ug/kg	0.87	0.13	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.16	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.86	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.87	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.87	0.09	1
Naphthalene	ND		ug/kg	3.5	0.56	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-08 Date Collected: 09/10/19 11:20

Client ID: B-1 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.87	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
1,4-Dioxane	ND		ug/kg	69	30.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.33	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.16	1
Ethyl ether	ND		ug/kg	1.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.3	1.2	1

Tentatively Identified Compounds				
Total TIC Compounds	6.91	J	ug/kg	1
Unknown	2.60	J	ug/kg	1
Cyclotrisiloxane, Hexamethyl-	4.31	NJ	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-09
Client ID: B-11 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 12:34
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.2	1.9	1
1,1-Dichloroethane	ND		ug/kg	0.83	0.12	1
Chloroform	0.31	J	ug/kg	1.2	0.12	1
Carbon tetrachloride	ND		ug/kg	0.83	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.83	0.10	1
Dibromochloromethane	ND		ug/kg	0.83	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.83	0.22	1
Tetrachloroethene	ND		ug/kg	0.42	0.16	1
Chlorobenzene	ND		ug/kg	0.42	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.3	0.58	1
1,2-Dichloroethane	ND		ug/kg	0.83	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	0.42	0.14	1
Bromodichloromethane	ND		ug/kg	0.42	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.83	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	0.42	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	0.42	0.13	1
1,1-Dichloropropene	ND		ug/kg	0.42	0.13	1
Bromoform	ND		ug/kg	3.3	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.42	0.14	1
Benzene	ND		ug/kg	0.42	0.14	1
Toluene	ND		ug/kg	0.83	0.45	1
Ethylbenzene	ND		ug/kg	0.83	0.12	1
Chloromethane	ND		ug/kg	3.3	0.78	1
Bromomethane	ND		ug/kg	1.7	0.48	1
Vinyl chloride	ND		ug/kg	0.83	0.28	1
Chloroethane	ND		ug/kg	1.7	0.38	1
1,1-Dichloroethene	ND		ug/kg	0.83	0.20	1
trans-1,2-Dichloroethene	0.52	J	ug/kg	1.2	0.11	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-09 Date Collected: 09/10/19 11:55

Client ID: B-11 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.42	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.47	1
o-Xylene	ND		ug/kg	0.83	0.24	1
Xylenes, Total	ND		ug/kg	0.83	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.83	0.14	1
1,2-Dichloroethene, Total	0.52	J	ug/kg	0.83	0.11	1
Dibromomethane	ND		ug/kg	1.7	0.20	1
Styrene	ND		ug/kg	0.83	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.3	0.76	1
Acetone	100		ug/kg	8.3	4.0	1
Carbon disulfide	ND		ug/kg	8.3	3.8	1
2-Butanone	ND		ug/kg	8.3	1.8	1
Vinyl acetate	ND		ug/kg	8.3	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.3	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.10	1
2-Hexanone	ND		ug/kg	8.3	0.98	1
Bromochloromethane	ND		ug/kg	1.7	0.17	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.83	0.23	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.42	0.11	1
Bromobenzene	ND		ug/kg	1.7	0.12	1
n-Butylbenzene	ND		ug/kg	0.83	0.14	1
sec-Butylbenzene	ND		ug/kg	0.83	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.16	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	0.83	1
Hexachlorobutadiene	ND		ug/kg	3.3	0.14	1
Isopropylbenzene	ND		ug/kg	0.83	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.83	0.09	1
Naphthalene	ND		ug/kg	3.3	0.54	1
Acrylonitrile	ND		ug/kg	3.3	0.96	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-09
Client ID: B-11 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.83	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.28	1
1,4-Dioxane	ND		ug/kg	66	29.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.32	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.16	1
Ethyl ether	ND		ug/kg	1.7	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.2	1.2	1
Tentatively Identified Compounds						
Total TIC Compounds	35.3	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	1.86	NJ	ug/kg			1
Ethyl Acetate	33.4	NJ	ug/kg			1

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

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-10
Client ID: B-11 (0-1)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 12:58
Analyst: JC
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	0.41	J	ug/kg	1.6	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	15		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	0.51	J	ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.1	0.96	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	0.18	J	ug/kg	1.6	0.14	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-10 Date Collected: 09/10/19 11:50

Client ID: B-11 (0-1) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.80		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.18	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	45		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	2.6	J	ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.67	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-10 Date Collected: 09/10/19 11:50

Client ID: B-11 (0-1) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.34	1
1,4-Dioxane	ND		ug/kg	83	36.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1
Tentatively Identified Compounds						
Total TIC Compounds	2.78	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	2.78	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	99		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-11
Client ID: B-6 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 13:22
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	0.24	J	ug/kg	0.89	0.13	1
Chloroform	0.51	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.89	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.89	0.11	1
Dibromochloromethane	ND		ug/kg	0.89	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.89	0.24	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.89	0.23	1
1,1,1-Trichloroethane	19		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.89	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.15	1
Benzene	ND		ug/kg	0.44	0.15	1
Toluene	ND		ug/kg	0.89	0.48	1
Ethylbenzene	ND		ug/kg	0.89	0.12	1
Chloromethane	ND		ug/kg	3.6	0.83	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.89	0.30	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	1.0		ug/kg	0.89	0.21	1
trans-1,2-Dichloroethene	0.61	J	ug/kg	1.3	0.12	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-11 Date Collected: 09/10/19 12:55

Client ID: B-6 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	49		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.89	0.26	1
Xylenes, Total	ND		ug/kg	0.89	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.89	0.16	1
1,2-Dichloroethene, Total	0.61	J	ug/kg	0.89	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.89	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.9	0.82	1
Acetone	120		ug/kg	8.9	4.3	1
Carbon disulfide	ND		ug/kg	8.9	4.0	1
2-Butanone	3.2	J	ug/kg	8.9	2.0	1
Vinyl acetate	ND		ug/kg	8.9	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.9	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.9	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.89	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.89	0.15	1
sec-Butylbenzene	ND		ug/kg	0.89	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.89	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.89	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.89	0.10	1
Naphthalene	ND		ug/kg	3.6	0.58	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-11
Client ID: B-6 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.89	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	71	31.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	21.8	J	ug/kg			1
Ethyl Acetate	19.4	NJ	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	2.40	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-12
Client ID: B-6 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 13:47
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.86	0.12	1
Chloroform	0.37	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.86	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.86	0.11	1
Dibromochloromethane	ND		ug/kg	0.86	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.86	0.23	1
Tetrachloroethene	ND		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.60	1
1,2-Dichloroethane	ND		ug/kg	0.86	0.22	1
1,1,1-Trichloroethane	0.47		ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.86	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.43	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.43	0.14	1
Bromoform	ND		ug/kg	3.4	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	0.14	1
Benzene	ND		ug/kg	0.43	0.14	1
Toluene	ND		ug/kg	0.86	0.46	1
Ethylbenzene	ND		ug/kg	0.86	0.12	1
Chloromethane	ND		ug/kg	3.4	0.80	1
Bromomethane	ND		ug/kg	1.7	0.50	1
Vinyl chloride	ND		ug/kg	0.86	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.86	0.20	1
trans-1,2-Dichloroethene	0.42	J	ug/kg	1.3	0.12	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-12 Date Collected: 09/10/19 12:50

Client ID: B-6 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.6		ug/kg	0.43	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.48	1
o-Xylene	ND		ug/kg	0.86	0.25	1
Xylenes, Total	ND		ug/kg	0.86	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.86	0.15	1
1,2-Dichloroethene, Total	0.42	J	ug/kg	0.86	0.12	1
Dibromomethane	ND		ug/kg	1.7	0.20	1
Styrene	ND		ug/kg	0.86	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.6	0.78	1
Acetone	120		ug/kg	8.6	4.1	1
Carbon disulfide	ND		ug/kg	8.6	3.9	1
2-Butanone	ND		ug/kg	8.6	1.9	1
Vinyl acetate	ND		ug/kg	8.6	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.6	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.6	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.86	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.43	0.11	1
Bromobenzene	ND		ug/kg	1.7	0.12	1
n-Butylbenzene	ND		ug/kg	0.86	0.14	1
sec-Butylbenzene	ND		ug/kg	0.86	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.16	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.86	1
Hexachlorobutadiene	ND		ug/kg	3.4	0.14	1
Isopropylbenzene	ND		ug/kg	0.86	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.86	0.09	1
Naphthalene	ND		ug/kg	3.4	0.56	1
Acrylonitrile	ND		ug/kg	3.4	0.99	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-12 Date Collected: 09/10/19 12:50

Client ID: B-6 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.86	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
1,4-Dioxane	ND		ug/kg	69	30.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.33	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.16	1
Ethyl ether	ND		ug/kg	1.7	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.3	1.2	1
Tentatively Identified Compounds						
Total TIC Compounds	35.7	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	2.37	NJ	ug/kg			1
Ethyl Acetate	33.3	NJ	ug/kg			1

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

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-13
Client ID: B-6 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 14:11
Analyst: JC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	0.13	J	ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.94	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	0.65	J	ug/kg	1.4	0.13	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-13 Date Collected: 09/10/19 12:40

Client ID: B-6 (1-2) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.1		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.94	0.28	1
Xylenes, Total	ND		ug/kg	0.94	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	0.65	J	ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	120		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	3.3	J	ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.8	0.61	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-13 Date Collected: 09/10/19 12:40

Client ID: B-6 (1-2) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	20.5	J	ug/kg			1
Ethyl Acetate	18.0	NJ	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	2.50	NJ	ug/kg			1

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

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-14
Client ID: B-10 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 14:35
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	0.19	J	ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	0.40	J	ug/kg	1.6	0.15	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-14 Date Collected: 09/10/19 13:20

Client ID: B-10 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	0.40	J	ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	100		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	2.9	J	ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-14 Date Collected: 09/10/19 13:20

Client ID: B-10 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	88	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1
Tentatively Identified Compounds						
Total TIC Compounds	10.5	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	2.97	NJ	ug/kg			1
Ethyl Acetate	7.55	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-15
Client ID: B-10 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:25
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 14:59
Analyst: JC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.12	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.92	0.50	1
Ethylbenzene	ND		ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	ND		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	0.25	J	ug/kg	1.4	0.13	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-15 Date Collected: 09/10/19 13:25

Client ID: B-10 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.92	0.27	1
Xylenes, Total	ND		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
1,2-Dichloroethene, Total	0.25	J	ug/kg	0.92	0.13	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.84	1
Acetone	ND		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
Vinyl acetate	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.92	0.15	1
sec-Butylbenzene	ND		ug/kg	0.92	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.18	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.92	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-15 Date Collected: 09/10/19 13:25

Client ID: B-10 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.92	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
1,4-Dioxane	ND		ug/kg	74	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.18	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	4.99	J	ug/kg			1
Unknown	1.99	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	3.00	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	94		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-16
Client ID: B-10 (11-12)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 15:23
Analyst: JC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.98	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.98	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.98	0.12	1
Dibromochloromethane	ND		ug/kg	0.98	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	0.26	1
Tetrachloroethene	ND		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.98	0.53	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	3.9	0.91	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.98	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.23	1
trans-1,2-Dichloroethene	0.24	J	ug/kg	1.5	0.13	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-16 Date Collected: 09/10/19 13:30

Client ID: B-10 (11-12) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.98	0.28	1
Xylenes, Total	ND		ug/kg	0.98	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.17	1
1,2-Dichloroethene, Total	0.24	J	ug/kg	0.98	0.13	1
Dibromomethane	ND		ug/kg	2.0	0.23	1
Styrene	ND		ug/kg	0.98	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.89	1
Acetone	130		ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.4	1
2-Butanone	ND		ug/kg	9.8	2.2	1
Vinyl acetate	ND		ug/kg	9.8	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.8	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.98	0.27	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.98	0.16	1
sec-Butylbenzene	ND		ug/kg	0.98	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.98	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.11	1
Naphthalene	ND		ug/kg	3.9	0.64	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-16 Date Collected: 09/10/19 13:30

Client ID: B-10 (11-12) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.98	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	78	34.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.17	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	45.9	J	ug/kg			1
Ethyl Acetate	42.7	NJ	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	3.18	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-17
Client ID: B-15 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 15:48
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.89	0.13	1
Chloroform	0.12	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.89	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.89	0.11	1
Dibromochloromethane	ND		ug/kg	0.89	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.89	0.24	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.89	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.89	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.15	1
Benzene	ND		ug/kg	0.44	0.15	1
Toluene	ND		ug/kg	0.89	0.48	1
Ethylbenzene	ND		ug/kg	0.89	0.12	1
Chloromethane	ND		ug/kg	3.6	0.83	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.89	0.30	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.89	0.21	1
trans-1,2-Dichloroethene	0.30	J	ug/kg	1.3	0.12	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-17 Date Collected: 09/10/19 13:40

Client ID: B-15 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	1.0	J	ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.89	0.26	1
Xylenes, Total	ND		ug/kg	0.89	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.89	0.16	1
1,2-Dichloroethene, Total	0.30	J	ug/kg	0.89	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.89	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.9	0.81	1
Acetone	370	E	ug/kg	8.9	4.3	1
Carbon disulfide	ND		ug/kg	8.9	4.0	1
2-Butanone	4.0	J	ug/kg	8.9	2.0	1
Vinyl acetate	ND		ug/kg	8.9	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.9	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.9	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.89	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.89	0.15	1
sec-Butylbenzene	ND		ug/kg	0.89	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.89	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.89	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.89	0.10	1
Naphthalene	ND		ug/kg	3.6	0.58	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-17 Date Collected: 09/10/19 13:40

Client ID: B-15 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.89	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	71	31.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.3	1

Tentatively Identified Compounds

Total TIC Compounds	6.15	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	3.27	NJ	ug/kg			1
Unknown	2.88	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-17
Client ID: B-15 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 21:25
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	240	110	1
1,1-Dichloroethane	ND		ug/kg	47	6.8	1
Chloroform	9.5	J	ug/kg	71	6.6	1
Carbon tetrachloride	ND		ug/kg	47	11.	1
1,2-Dichloropropane	ND		ug/kg	47	5.9	1
Dibromochloromethane	ND		ug/kg	47	6.6	1
1,1,2-Trichloroethane	ND		ug/kg	47	13.	1
Tetrachloroethene	ND		ug/kg	24	9.2	1
Chlorobenzene	ND		ug/kg	24	6.0	1
Trichlorofluoromethane	ND		ug/kg	190	33.	1
1,2-Dichloroethane	ND		ug/kg	47	12.	1
1,1,1-Trichloroethane	ND		ug/kg	24	7.9	1
Bromodichloromethane	ND		ug/kg	24	5.1	1
trans-1,3-Dichloropropene	ND		ug/kg	47	13.	1
cis-1,3-Dichloropropene	ND		ug/kg	24	7.4	1
1,3-Dichloropropene, Total	ND		ug/kg	24	7.4	1
1,1-Dichloropropene	ND		ug/kg	24	7.5	1
Bromoform	ND		ug/kg	190	12.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	24	7.8	1
Benzene	ND		ug/kg	24	7.8	1
Toluene	ND		ug/kg	47	26.	1
Ethylbenzene	ND		ug/kg	47	6.6	1
Chloromethane	ND		ug/kg	190	44.	1
Bromomethane	ND		ug/kg	94	27.	1
Vinyl chloride	ND		ug/kg	47	16.	1
Chloroethane	ND		ug/kg	94	21.	1
1,1-Dichloroethene	ND		ug/kg	47	11.	1
trans-1,2-Dichloroethene	ND		ug/kg	71	6.5	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-17 Date Collected: 09/10/19 13:40

Client ID: B-15 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	24	6.5	1
1,2-Dichlorobenzene	ND		ug/kg	94	6.8	1
1,3-Dichlorobenzene	ND		ug/kg	94	7.0	1
1,4-Dichlorobenzene	ND		ug/kg	94	8.1	1
Methyl tert butyl ether	ND		ug/kg	94	9.5	1
p/m-Xylene	ND		ug/kg	94	26.	1
o-Xylene	ND		ug/kg	47	14.	1
Xylenes, Total	ND		ug/kg	47	14.	1
cis-1,2-Dichloroethene	ND		ug/kg	47	8.3	1
1,2-Dichloroethene, Total	ND		ug/kg	47	6.5	1
Dibromomethane	ND		ug/kg	94	11.	1
Styrene	ND		ug/kg	47	9.2	1
Dichlorodifluoromethane	ND		ug/kg	470	43.	1
Acetone	ND		ug/kg	470	230	1
Carbon disulfide	ND		ug/kg	470	210	1
2-Butanone	ND		ug/kg	470	100	1
Vinyl acetate	ND		ug/kg	470	100	1
4-Methyl-2-pentanone	ND		ug/kg	470	60.	1
1,2,3-Trichloropropane	ND		ug/kg	94	6.0	1
2-Hexanone	ND		ug/kg	470	56.	1
Bromochloromethane	ND		ug/kg	94	9.7	1
2,2-Dichloropropane	ND		ug/kg	94	9.5	1
1,2-Dibromoethane	ND		ug/kg	47	13.	1
1,3-Dichloropropane	ND		ug/kg	94	7.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	24	6.2	1
Bromobenzene	ND		ug/kg	94	6.8	1
n-Butylbenzene	ND		ug/kg	47	7.9	1
sec-Butylbenzene	ND		ug/kg	47	6.9	1
tert-Butylbenzene	ND		ug/kg	94	5.6	1
o-Chlorotoluene	ND		ug/kg	94	9.0	1
p-Chlorotoluene	ND		ug/kg	94	5.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	140	47.	1
Hexachlorobutadiene	ND		ug/kg	190	8.0	1
Isopropylbenzene	ND		ug/kg	47	5.1	1
p-Isopropyltoluene	ND		ug/kg	47	5.1	1
Naphthalene	ND		ug/kg	190	31.	1
Acrylonitrile	ND		ug/kg	190	54.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-17 Date Collected: 09/10/19 13:40

Client ID: B-15 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	47	8.1	1
1,2,3-Trichlorobenzene	ND		ug/kg	94	15.	1
1,2,4-Trichlorobenzene	ND		ug/kg	94	13.	1
1,3,5-Trimethylbenzene	ND		ug/kg	94	9.1	1
1,2,4-Trimethylbenzene	ND		ug/kg	94	16.	1
1,4-Dioxane	ND		ug/kg	3800	1600	1
p-Diethylbenzene	ND		ug/kg	94	8.4	1
p-Ethyltoluene	ND		ug/kg	94	18.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	94	9.0	1
Ethyl ether	ND		ug/kg	94	16.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	240	67.	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	107		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-18
Client ID: B-15 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 16:12
Analyst: JC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.91	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.91	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.91	0.11	1
Dibromochloromethane	ND		ug/kg	0.91	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	0.24	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.91	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.91	0.50	1
Ethylbenzene	ND		ug/kg	0.91	0.13	1
Chloromethane	ND		ug/kg	3.6	0.85	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.91	0.31	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.91	0.22	1
trans-1,2-Dichloroethene	0.26	J	ug/kg	1.4	0.12	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-18 Date Collected: 09/10/19 13:50

Client ID: B-15 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	1.0	J	ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.91	0.27	1
Xylenes, Total	ND		ug/kg	0.91	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	0.16	1
1,2-Dichloroethene, Total	0.26	J	ug/kg	0.91	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.91	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.1	0.84	1
Acetone	510	E	ug/kg	9.1	4.4	1
Carbon disulfide	ND		ug/kg	9.1	4.2	1
2-Butanone	6.6	J	ug/kg	9.1	2.0	1
Vinyl acetate	ND		ug/kg	9.1	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.1	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.91	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.91	0.15	1
sec-Butylbenzene	ND		ug/kg	0.91	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.91	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.91	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.91	0.10	1
Naphthalene	ND		ug/kg	3.6	0.59	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-18 Date Collected: 09/10/19 13:50

Client ID: B-15 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.91	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	73	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	14.3	J	ug/kg			1
Silanol, Trimethyl-	5.05	NJ	ug/kg			1
iso-Propyl Alcohol	3.45	NJ	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	3.27	NJ	ug/kg			1
Unknown	2.55	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-18
Client ID: B-15 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 21:51
Analyst: NLK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	270	120	1
1,1-Dichloroethane	ND		ug/kg	53	7.7	1
Chloroform	8.7	J	ug/kg	80	7.4	1
Carbon tetrachloride	ND		ug/kg	53	12.	1
1,2-Dichloropropane	ND		ug/kg	53	6.6	1
Dibromochloromethane	ND		ug/kg	53	7.4	1
1,1,2-Trichloroethane	ND		ug/kg	53	14.	1
Tetrachloroethene	ND		ug/kg	27	10.	1
Chlorobenzene	ND		ug/kg	27	6.8	1
Trichlorofluoromethane	ND		ug/kg	210	37.	1
1,2-Dichloroethane	ND		ug/kg	53	14.	1
1,1,1-Trichloroethane	ND		ug/kg	27	8.9	1
Bromodichloromethane	ND		ug/kg	27	5.8	1
trans-1,3-Dichloropropene	ND		ug/kg	53	14.	1
cis-1,3-Dichloropropene	ND		ug/kg	27	8.4	1
1,3-Dichloropropene, Total	ND		ug/kg	27	8.4	1
1,1-Dichloropropene	ND		ug/kg	27	8.4	1
Bromoform	ND		ug/kg	210	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	27	8.8	1
Benzene	ND		ug/kg	27	8.8	1
Toluene	ND		ug/kg	53	29.	1
Ethylbenzene	ND		ug/kg	53	7.5	1
Chloromethane	ND		ug/kg	210	50.	1
Bromomethane	ND		ug/kg	110	31.	1
Vinyl chloride	ND		ug/kg	53	18.	1
Chloroethane	ND		ug/kg	110	24.	1
1,1-Dichloroethene	ND		ug/kg	53	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	80	7.3	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-18 Date Collected: 09/10/19 13:50

Client ID: B-15 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	27	7.3	1
1,2-Dichlorobenzene	ND		ug/kg	110	7.7	1
1,3-Dichlorobenzene	ND		ug/kg	110	7.9	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.1	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	ND		ug/kg	110	30.	1
o-Xylene	ND		ug/kg	53	15.	1
Xylenes, Total	ND		ug/kg	53	15.	1
cis-1,2-Dichloroethene	ND		ug/kg	53	9.3	1
1,2-Dichloroethene, Total	ND		ug/kg	53	7.3	1
Dibromomethane	ND		ug/kg	110	13.	1
Styrene	ND		ug/kg	53	10.	1
Dichlorodifluoromethane	ND		ug/kg	530	49.	1
Acetone	ND		ug/kg	530	260	1
Carbon disulfide	ND		ug/kg	530	240	1
2-Butanone	ND		ug/kg	530	120	1
Vinyl acetate	ND		ug/kg	530	110	1
4-Methyl-2-pentanone	ND		ug/kg	530	68.	1
1,2,3-Trichloropropane	ND		ug/kg	110	6.8	1
2-Hexanone	ND		ug/kg	530	63.	1
Bromochloromethane	ND		ug/kg	110	11.	1
2,2-Dichloropropane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	53	15.	1
1,3-Dichloropropane	ND		ug/kg	110	8.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	27	7.0	1
Bromobenzene	ND		ug/kg	110	7.7	1
n-Butylbenzene	ND		ug/kg	53	8.9	1
sec-Butylbenzene	ND		ug/kg	53	7.8	1
tert-Butylbenzene	ND		ug/kg	110	6.3	1
o-Chlorotoluene	ND		ug/kg	110	10.	1
p-Chlorotoluene	ND		ug/kg	110	5.7	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	53.	1
Hexachlorobutadiene	ND		ug/kg	210	9.0	1
Isopropylbenzene	ND		ug/kg	53	5.8	1
p-Isopropyltoluene	ND		ug/kg	53	5.8	1
Naphthalene	ND		ug/kg	210	34.	1
Acrylonitrile	ND		ug/kg	210	61.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-18 Date Collected: 09/10/19 13:50

Client ID: B-15 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	53	9.1	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	14.	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	10.	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	18.	1
1,4-Dioxane	ND		ug/kg	4200	1900	1
p-Diethylbenzene	ND		ug/kg	110	9.4	1
p-Ethyltoluene	ND		ug/kg	110	20.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	110	10.	1
Ethyl ether	ND		ug/kg	110	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	270	76.	1
Tentatively Identified Compounds						
Total TIC Compounds	232	J	ug/kg			1
Unknown	232	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	105		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/15/19 17:36
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,05-08 Batch: WG1284604-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.86	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/15/19 17:36
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,05-08 Batch: WG1284604-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/15/19 17:36
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,05-08 Batch: WG1284604-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds			
Total TIC Compounds	5.42	J	ug/kg
Cyclotrisiloxane, Hexamethyl-	2.73	NJ	ug/kg
Unknown	2.69	J	ug/kg

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/15/19 17:36
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,05-08 Batch: WG1284604-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	92		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03-04 Batch: WG1284782-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	38	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03-04 Batch: WG1284782-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03-04 Batch: WG1284782-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Tentatively Identified Compounds			
Total TIC Compounds	104	J	ug/kg
Cyclotrisiloxane, Hexamethyl-	104	NJ	ug/kg

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03-04 Batch: WG1284782-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	93		70-130

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,09-18 Batch: WG1284783-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.76	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,09-18 Batch: WG1284783-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,09-18 Batch: WG1284783-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds			
Total TIC Compounds	2.08	J	ug/kg
Cyclotrisiloxane, Hexamethyl-	2.08	NJ	ug/kg

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,09-18 Batch: WG1284783-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	93		70-130

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05,17-18 Batch: WG1285064-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	12	J	ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05,17-18 Batch: WG1285064-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05,17-18 Batch: WG1285064-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05,17-18 Batch: WG1285064-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,05-08 Batch: WG1284604-3 WG1284604-4								
Methylene chloride	89		91		70-130	2		30
1,1-Dichloroethane	104		105		70-130	1		30
Chloroform	101		103		70-130	2		30
Carbon tetrachloride	102		102		70-130	0		30
1,2-Dichloropropane	100		102		70-130	2		30
Dibromochloromethane	98		102		70-130	4		30
1,1,2-Trichloroethane	93		96		70-130	3		30
Tetrachloroethene	98		99		70-130	1		30
Chlorobenzene	99		101		70-130	2		30
Trichlorofluoromethane	103		103		70-139	0		30
1,2-Dichloroethane	100		104		70-130	4		30
1,1,1-Trichloroethane	105		106		70-130	1		30
Bromodichloromethane	101		103		70-130	2		30
trans-1,3-Dichloropropene	99		101		70-130	2		30
cis-1,3-Dichloropropene	98		100		70-130	2		30
1,1-Dichloropropene	101		101		70-130	0		30
Bromoform	87		90		70-130	3		30
1,1,2,2-Tetrachloroethane	96		99		70-130	3		30
Benzene	98		100		70-130	2		30
Toluene	99		98		70-130	1		30
Ethylbenzene	100		102		70-130	2		30
Chloromethane	128		127		52-130	1		30
Bromomethane	96		94		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,05-08 Batch: WG1284604-3 WG1284604-4								
Vinyl chloride	104		107		67-130	3		30
Chloroethane	96		95		50-151	1		30
1,1-Dichloroethene	98		98		65-135	0		30
trans-1,2-Dichloroethene	98		99		70-130	1		30
Trichloroethene	100		102		70-130	2		30
1,2-Dichlorobenzene	97		100		70-130	3		30
1,3-Dichlorobenzene	99		102		70-130	3		30
1,4-Dichlorobenzene	100		102		70-130	2		30
Methyl tert butyl ether	90		91		66-130	1		30
p/m-Xylene	101		103		70-130	2		30
o-Xylene	98		101		70-130	3		30
cis-1,2-Dichloroethene	97		97		70-130	0		30
Dibromomethane	94		97		70-130	3		30
Styrene	100		102		70-130	2		30
Dichlorodifluoromethane	110		109		30-146	1		30
Acetone	121		118		54-140	3		30
Carbon disulfide	96		95		59-130	1		30
2-Butanone	104		114		70-130	9		30
Vinyl acetate	114		119		70-130	4		30
4-Methyl-2-pentanone	96		99		70-130	3		30
1,2,3-Trichloropropane	93		98		68-130	5		30
2-Hexanone	107		110		70-130	3		30
Bromochloromethane	97		96		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,05-08 Batch: WG1284604-3 WG1284604-4								
2,2-Dichloropropane	100		101		70-130	1		30
1,2-Dibromoethane	95		99		70-130	4		30
1,3-Dichloropropane	94		98		69-130	4		30
1,1,1,2-Tetrachloroethane	101		102		70-130	1		30
Bromobenzene	92		95		70-130	3		30
n-Butylbenzene	108		111		70-130	3		30
sec-Butylbenzene	102		105		70-130	3		30
tert-Butylbenzene	100		102		70-130	2		30
o-Chlorotoluene	102		105		70-130	3		30
p-Chlorotoluene	103		106		70-130	3		30
1,2-Dibromo-3-chloropropane	84		91		68-130	8		30
Hexachlorobutadiene	91		93		67-130	2		30
Isopropylbenzene	101		103		70-130	2		30
p-Isopropyltoluene	104		106		70-130	2		30
Naphthalene	91		97		70-130	6		30
Acrylonitrile	104		108		70-130	4		30
n-Propylbenzene	104		106		70-130	2		30
1,2,3-Trichlorobenzene	96		97		70-130	1		30
1,2,4-Trichlorobenzene	98		100		70-130	2		30
1,3,5-Trimethylbenzene	102		104		70-130	2		30
1,2,4-Trimethylbenzene	103		105		70-130	2		30
1,4-Dioxane	88		95		65-136	8		30
p-Diethylbenzene	100		102		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,05-08 Batch: WG1284604-3 WG1284604-4								
p-Ethyltoluene	102		104		70-130	2		30
1,2,4,5-Tetramethylbenzene	98		100		70-130	2		30
Ethyl ether	89		92		67-130	3		30
trans-1,4-Dichloro-2-butene	111		117		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	97		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03-04 Batch: WG1284782-3 WG1284782-4								
Methylene chloride	90		93		70-130	3		30
1,1-Dichloroethane	107		108		70-130	1		30
Chloroform	105		107		70-130	2		30
Carbon tetrachloride	107		109		70-130	2		30
1,2-Dichloropropane	104		106		70-130	2		30
Dibromochloromethane	104		106		70-130	2		30
1,1,2-Trichloroethane	98		100		70-130	2		30
Tetrachloroethene	102		103		70-130	1		30
Chlorobenzene	103		104		70-130	1		30
Trichlorofluoromethane	106		106		70-139	0		30
1,2-Dichloroethane	105		108		70-130	3		30
1,1,1-Trichloroethane	109		111		70-130	2		30
Bromodichloromethane	106		110		70-130	4		30
trans-1,3-Dichloropropene	103		105		70-130	2		30
cis-1,3-Dichloropropene	102		104		70-130	2		30
1,1-Dichloropropene	104		108		70-130	4		30
Bromoform	91		95		70-130	4		30
1,1,2,2-Tetrachloroethane	100		104		70-130	4		30
Benzene	101		103		70-130	2		30
Toluene	101		103		70-130	2		30
Ethylbenzene	105		107		70-130	2		30
Chloromethane	113		113		52-130	0		30
Bromomethane	93		89		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03-04 Batch: WG1284782-3 WG1284782-4								
Vinyl chloride	96		100		67-130	4		30
Chloroethane	94		94		50-151	0		30
1,1-Dichloroethene	100		101		65-135	1		30
trans-1,2-Dichloroethene	101		102		70-130	1		30
Trichloroethene	104		105		70-130	1		30
1,2-Dichlorobenzene	100		102		70-130	2		30
1,3-Dichlorobenzene	102		105		70-130	3		30
1,4-Dichlorobenzene	102		104		70-130	2		30
Methyl tert butyl ether	92		94		66-130	2		30
p/m-Xylene	106		107		70-130	1		30
o-Xylene	102		104		70-130	2		30
cis-1,2-Dichloroethene	98		100		70-130	2		30
Dibromomethane	98		102		70-130	4		30
Styrene	104		106		70-130	2		30
Dichlorodifluoromethane	84		83		30-146	1		30
Acetone	121		134		54-140	10		30
Carbon disulfide	94		96		59-130	2		30
2-Butanone	112		112		70-130	0		30
Vinyl acetate	118		122		70-130	3		30
4-Methyl-2-pentanone	97		102		70-130	5		30
1,2,3-Trichloropropane	97		102		68-130	5		30
2-Hexanone	110		114		70-130	4		30
Bromochloromethane	100		102		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03-04 Batch: WG1284782-3 WG1284782-4								
2,2-Dichloropropane	103		105		70-130	2		30
1,2-Dibromoethane	100		102		70-130	2		30
1,3-Dichloropropane	99		101		69-130	2		30
1,1,1,2-Tetrachloroethane	106		108		70-130	2		30
Bromobenzene	95		98		70-130	3		30
n-Butylbenzene	109		112		70-130	3		30
sec-Butylbenzene	105		108		70-130	3		30
tert-Butylbenzene	102		105		70-130	3		30
o-Chlorotoluene	104		107		70-130	3		30
p-Chlorotoluene	106		109		70-130	3		30
1,2-Dibromo-3-chloropropane	88		93		68-130	6		30
Hexachlorobutadiene	88		90		67-130	2		30
Isopropylbenzene	104		107		70-130	3		30
p-Isopropyltoluene	105		108		70-130	3		30
Naphthalene	96		99		70-130	3		30
Acrylonitrile	108		114		70-130	5		30
n-Propylbenzene	107		109		70-130	2		30
1,2,3-Trichlorobenzene	97		98		70-130	1		30
1,2,4-Trichlorobenzene	100		100		70-130	0		30
1,3,5-Trimethylbenzene	104		107		70-130	3		30
1,2,4-Trimethylbenzene	105		108		70-130	3		30
1,4-Dioxane	88		90		65-136	2		30
p-Diethylbenzene	100		103		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03-04 Batch: WG1284782-3 WG1284782-4								
p-Ethyltoluene	103		106		70-130	3		30
1,2,4,5-Tetramethylbenzene	99		101		70-130	2		30
Ethyl ether	92		93		67-130	1		30
trans-1,4-Dichloro-2-butene	117		121		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		104		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	97		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,09-18 Batch: WG1284783-3 WG1284783-4								
Methylene chloride	90		93		70-130	3		30
1,1-Dichloroethane	107		108		70-130	1		30
Chloroform	105		107		70-130	2		30
Carbon tetrachloride	107		109		70-130	2		30
1,2-Dichloropropane	104		106		70-130	2		30
Dibromochloromethane	104		106		70-130	2		30
1,1,2-Trichloroethane	98		100		70-130	2		30
Tetrachloroethene	102		103		70-130	1		30
Chlorobenzene	103		104		70-130	1		30
Trichlorofluoromethane	106		106		70-139	0		30
1,2-Dichloroethane	105		108		70-130	3		30
1,1,1-Trichloroethane	109		111		70-130	2		30
Bromodichloromethane	106		110		70-130	4		30
trans-1,3-Dichloropropene	103		105		70-130	2		30
cis-1,3-Dichloropropene	102		104		70-130	2		30
1,1-Dichloropropene	104		108		70-130	4		30
Bromoform	91		95		70-130	4		30
1,1,2,2-Tetrachloroethane	100		104		70-130	4		30
Benzene	101		103		70-130	2		30
Toluene	101		103		70-130	2		30
Ethylbenzene	105		107		70-130	2		30
Chloromethane	113		113		52-130	0		30
Bromomethane	93		89		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,09-18 Batch: WG1284783-3 WG1284783-4								
Vinyl chloride	96		100		67-130	4		30
Chloroethane	94		94		50-151	0		30
1,1-Dichloroethene	100		101		65-135	1		30
trans-1,2-Dichloroethene	101		102		70-130	1		30
Trichloroethene	104		105		70-130	1		30
1,2-Dichlorobenzene	100		102		70-130	2		30
1,3-Dichlorobenzene	102		105		70-130	3		30
1,4-Dichlorobenzene	102		104		70-130	2		30
Methyl tert butyl ether	92		94		66-130	2		30
p/m-Xylene	106		107		70-130	1		30
o-Xylene	102		104		70-130	2		30
cis-1,2-Dichloroethene	98		100		70-130	2		30
Dibromomethane	98		102		70-130	4		30
Styrene	104		106		70-130	2		30
Dichlorodifluoromethane	84		83		30-146	1		30
Acetone	121		134		54-140	10		30
Carbon disulfide	94		96		59-130	2		30
2-Butanone	112		112		70-130	0		30
Vinyl acetate	118		122		70-130	3		30
4-Methyl-2-pentanone	97		102		70-130	5		30
1,2,3-Trichloropropane	97		102		68-130	5		30
2-Hexanone	110		114		70-130	4		30
Bromochloromethane	100		102		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,09-18 Batch: WG1284783-3 WG1284783-4								
2,2-Dichloropropane	103		105		70-130	2		30
1,2-Dibromoethane	100		102		70-130	2		30
1,3-Dichloropropane	99		101		69-130	2		30
1,1,1,2-Tetrachloroethane	106		108		70-130	2		30
Bromobenzene	95		98		70-130	3		30
n-Butylbenzene	109		112		70-130	3		30
sec-Butylbenzene	105		108		70-130	3		30
tert-Butylbenzene	102		105		70-130	3		30
o-Chlorotoluene	104		107		70-130	3		30
p-Chlorotoluene	106		109		70-130	3		30
1,2-Dibromo-3-chloropropane	88		93		68-130	6		30
Hexachlorobutadiene	88		90		67-130	2		30
Isopropylbenzene	104		107		70-130	3		30
p-Isopropyltoluene	105		108		70-130	3		30
Naphthalene	96		99		70-130	3		30
Acrylonitrile	108		114		70-130	5		30
n-Propylbenzene	107		109		70-130	2		30
1,2,3-Trichlorobenzene	97		98		70-130	1		30
1,2,4-Trichlorobenzene	100		100		70-130	0		30
1,3,5-Trimethylbenzene	104		107		70-130	3		30
1,2,4-Trimethylbenzene	105		108		70-130	3		30
1,4-Dioxane	88		90		65-136	2		30
p-Diethylbenzene	100		103		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,09-18 Batch: WG1284783-3 WG1284783-4								
p-Ethyltoluene	103		106		70-130	3		30
1,2,4,5-Tetramethylbenzene	99		101		70-130	2		30
Ethyl ether	92		93		67-130	1		30
trans-1,4-Dichloro-2-butene	117		121		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		104		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	97		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05,17-18 Batch: WG1285064-3 WG1285064-4								
Methylene chloride	83		83		70-130	0		30
1,1-Dichloroethane	95		94		70-130	1		30
Chloroform	102		106		70-130	4		30
Carbon tetrachloride	110		110		70-130	0		30
1,2-Dichloropropane	96		96		70-130	0		30
Dibromochloromethane	96		94		70-130	2		30
1,1,2-Trichloroethane	92		94		70-130	2		30
Tetrachloroethene	92		93		70-130	1		30
Chlorobenzene	90		88		70-130	2		30
Trichlorofluoromethane	117		114		70-139	3		30
1,2-Dichloroethane	112		114		70-130	2		30
1,1,1-Trichloroethane	106		106		70-130	0		30
Bromodichloromethane	103		104		70-130	1		30
trans-1,3-Dichloropropene	95		95		70-130	0		30
cis-1,3-Dichloropropene	98		98		70-130	0		30
1,1-Dichloropropene	98		96		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	84		82		70-130	2		30
Benzene	92		91		70-130	1		30
Toluene	91		90		70-130	1		30
Ethylbenzene	94		93		70-130	1		30
Chloromethane	79		78		52-130	1		30
Bromomethane	73		74		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05,17-18 Batch: WG1285064-3 WG1285064-4								
Vinyl chloride	69		67		67-130	3		30
Chloroethane	71		71		50-151	0		30
1,1-Dichloroethene	74		75		65-135	1		30
trans-1,2-Dichloroethene	83		84		70-130	1		30
Trichloroethene	97		97		70-130	0		30
1,2-Dichlorobenzene	87		87		70-130	0		30
1,3-Dichlorobenzene	87		87		70-130	0		30
1,4-Dichlorobenzene	87		86		70-130	1		30
Methyl tert butyl ether	92		93		66-130	1		30
p/m-Xylene	92		91		70-130	1		30
o-Xylene	92		89		70-130	3		30
cis-1,2-Dichloroethene	91		91		70-130	0		30
Dibromomethane	104		107		70-130	3		30
Styrene	91		90		70-130	1		30
Dichlorodifluoromethane	75		74		30-146	1		30
Acetone	103		103		54-140	0		30
Carbon disulfide	73		73		59-130	0		30
2-Butanone	100		92		70-130	8		30
Vinyl acetate	90		91		70-130	1		30
4-Methyl-2-pentanone	85		81		70-130	5		30
1,2,3-Trichloropropane	91		90		68-130	1		30
2-Hexanone	76		75		70-130	1		30
Bromochloromethane	95		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05,17-18 Batch: WG1285064-3 WG1285064-4								
2,2-Dichloropropane	100		103		70-130	3		30
1,2-Dibromoethane	94		91		70-130	3		30
1,3-Dichloropropane	94		91		69-130	3		30
1,1,1,2-Tetrachloroethane	91		90		70-130	1		30
Bromobenzene	83		83		70-130	0		30
n-Butylbenzene	90		90		70-130	0		30
sec-Butylbenzene	84		84		70-130	0		30
tert-Butylbenzene	81		81		70-130	0		30
o-Chlorotoluene	86		83		70-130	4		30
p-Chlorotoluene	86		84		70-130	2		30
1,2-Dibromo-3-chloropropane	84		88		68-130	5		30
Hexachlorobutadiene	90		88		67-130	2		30
Isopropylbenzene	81		80		70-130	1		30
p-Isopropyltoluene	84		83		70-130	1		30
Naphthalene	78		78		70-130	0		30
Acrylonitrile	89		87		70-130	2		30
n-Propylbenzene	86		84		70-130	2		30
1,2,3-Trichlorobenzene	88		88		70-130	0		30
1,2,4-Trichlorobenzene	88		88		70-130	0		30
1,3,5-Trimethylbenzene	85		82		70-130	4		30
1,2,4-Trimethylbenzene	84		84		70-130	0		30
1,4-Dioxane	119		93		65-136	25		30
p-Diethylbenzene	83		82		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05,17-18 Batch: WG1285064-3 WG1285064-4								
p-Ethyltoluene	84		83		70-130	1		30
1,2,4,5-Tetramethylbenzene	82		80		70-130	2		30
Ethyl ether	70		69		67-130	1		30
trans-1,4-Dichloro-2-butene	86		85		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		112		70-130
Toluene-d8	92		91		70-130
4-Bromofluorobenzene	87		85		70-130
Dibromofluoromethane	100		102		70-130

SEMIVOLATILES

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-01
Client ID: B-2 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 09:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/16/19 23:36
Analyst: SZ
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-01 Date Collected: 09/10/19 09:40

Client ID: B-2 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	830	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-01 Date Collected: 09/10/19 09:40

Client ID: B-2 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1
Tentatively Identified Compounds						
Total TIC Compounds	178	J	ug/kg			1
Unknown	178	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	61		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-01
Client ID: B-2 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 09:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 02:32
Analyst: JW
Percent Solids: 96%

Extraction Method: EPA 537(M)
Extraction Date: 09/24/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.04	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.04	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.04	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.04	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.04	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.04	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.04	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.04	0.187	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.04	0.142	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.04	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.04	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.04	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.04	0.299	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.04	0.210	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.04	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.04	0.159	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	10.4	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.04	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.04	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.04	0.213	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.04	0.056	1
PFOA/PFOS, Total	ND		ug/kg	1.04	0.044	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-01 Date Collected: 09/10/19 09:40

Client ID: B-2 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	72		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	78		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	104		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	74		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	114		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	114		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	132		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**24**	Q	45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**0**	Q	1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**30**	Q	42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		26-160

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-02
Client ID: B-2 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 09:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/16/19 23:59
Analyst: SZ
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-02 Date Collected: 09/10/19 09:45

Client ID: B-2 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	150	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	69.	1
4-Nitrophenol	ND		ug/kg	260	74.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-02 Date Collected: 09/10/19 09:45

Client ID: B-2 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	58		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-02
Client ID: B-2 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 09:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 02:49
Analyst: JW
Percent Solids: 90%

Extraction Method: EPA 537(M)
Extraction Date: 09/24/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.05	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.05	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.05	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.05	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.05	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.05	0.064	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.05	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.05	0.189	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.05	0.144	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.05	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.05	0.137	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.05	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.05	0.302	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.05	0.212	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.05	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.05	0.161	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.05	0.103	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.05	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.05	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.05	0.216	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.05	0.057	1
PFOA/PFOS, Total	ND		ug/kg	1.05	0.044	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-02 Date Collected: 09/10/19 09:45

Client ID: B-2 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	114		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	124		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	56		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	85		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77		26-160

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-03
Client ID: B-7 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 05:19
Analyst: SZ
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	63	J	ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-03 Date Collected: 09/10/19 10:20

Client ID: B-7 (1-2) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	34	J	ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	36	J	ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	37	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	53	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	50	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-03 Date Collected: 09/10/19 10:20

Client ID: B-7 (1-2) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1
Tentatively Identified Compounds						
Total TIC Compounds	3540	J	ug/kg			1
Unknown	1130	J	ug/kg			1
Tetrachloroethene	652	NJ	ug/kg			1
Unknown	1170	J	ug/kg			1
Unknown	298	J	ug/kg			1
Unknown	292	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	64		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-03
Client ID: B-7 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 03:22
Analyst: JW
Percent Solids: 83%

Extraction Method: EPA 537(M)
Extraction Date: 09/24/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.16	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.16	0.053	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.16	0.045	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.16	0.061	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.16	0.052	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.16	0.070	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.16	0.049	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.16	0.208	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.16	0.158	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.16	0.087	1
Perfluorooctanesulfonic Acid (PFOS)	1.73		ug/kg	1.16	0.151	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.16	0.078	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.16	0.333	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.16	0.234	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.16	0.054	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.16	0.177	1
Perfluorooctanesulfonamide (FOSA)	0.280	J	ug/kg	1.16	0.114	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.128	J	ug/kg	1.16	0.098	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.16	0.081	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.16	0.237	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.16	0.063	1
PFOA/PFOS, Total	1.73		ug/kg	1.16	0.049	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-03 Date Collected: 09/10/19 10:20

Client ID: B-7 (1-2) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	104		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	97		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	138		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	141		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	109		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	76		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	82		26-160

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-04
Client ID: B-16 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 01:54
Analyst: SZ
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-04 Date Collected: 09/10/19 10:30

Client ID: B-16 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	830	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-04 Date Collected: 09/10/19 10:30

Client ID: B-16 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	52		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-04
Client ID: B-16 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 03:55
Analyst: JW
Percent Solids: 94%

Extraction Method: EPA 537(M)
Extraction Date: 09/24/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.996	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.996	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	0.071	J	ug/kg	0.996	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.996	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.996	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.996	0.060	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.996	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.996	0.179	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.996	0.136	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.996	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	8.62		ug/kg	0.996	0.129	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.996	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.996	0.286	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.996	0.200	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.996	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.996	0.152	1
Perfluorooctanesulfonamide (FOSA)	0.112	J	ug/kg	0.996	0.098	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.438	J	ug/kg	0.996	0.084	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.996	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.996	0.204	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.996	0.054	1
PFOA/PFOS, Total	8.62		ug/kg	0.996	0.042	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-04 Date Collected: 09/10/19 10:30

Client ID: B-16 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	87		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	81		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	98		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	87		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	111		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	69		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	80		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	65		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	76		26-160

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-05
Client ID: B-16 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:35
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 03:02
Analyst: SZ
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	30	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-05 Date Collected: 09/10/19 10:35

Client ID: B-16 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	25	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-05 Date Collected: 09/10/19 10:35

Client ID: B-16 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	58		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-05
Client ID: B-16 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:35
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 04:12
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 537(M)
Extraction Date: 09/24/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.05	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.05	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.05	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.05	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.05	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.05	0.064	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.05	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.05	0.189	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.05	0.144	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.05	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	10.6		ug/kg	1.05	0.137	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.05	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.05	0.303	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.05	0.212	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.05	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.05	0.161	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.05	0.103	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.05	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.05	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.05	0.216	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.05	0.057	1
PFOA/PFOS, Total	10.6		ug/kg	1.05	0.044	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-05 Date Collected: 09/10/19 10:35

Client ID: B-16 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	100		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	112		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	133		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	74		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	109		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	89		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	75		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		26-160

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-06
Client ID: B-1 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 04:57
Analyst: SZ
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	26	J	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-06 Date Collected: 09/10/19 10:40

Client ID: B-1 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	22	J	ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	36	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	22	J	ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	110	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	24	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-06 Date Collected: 09/10/19 10:40

Client ID: B-1 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1
Tentatively Identified Compounds						
Total TIC Compounds	658	J	ug/kg			1
Unknown	336	J	ug/kg			1
Unknown	322	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	54		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-06
Client ID: B-1 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 04:28
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 537(M)
Extraction Date: 09/24/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.00	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.00	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.00	0.039	1
Perfluorohexanoic Acid (PFHxA)	0.054	J	ug/kg	1.00	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.00	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.00	0.061	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.00	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.00	0.180	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.00	0.137	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.00	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.00	0.130	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.00	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.00	0.288	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.00	0.202	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.00	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.00	0.154	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.00	0.098	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.00	0.085	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.00	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.00	0.205	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.00	0.054	1
PFOA/PFOS, Total	ND		ug/kg	1.00	0.042	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-06 Date Collected: 09/10/19 10:40

Client ID: B-1 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	67		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	74		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	75		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	99		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	85		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	116		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**25**	Q	45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	1		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**34**	Q	42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		26-160

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-07
Client ID: B-1 (5-6)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 01:08
Analyst: SZ
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	31.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	46.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	60.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-07 Date Collected: 09/10/19 11:10

Client ID: B-1 (5-6) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	72.	1
Dibenzofuran	ND		ug/kg	180	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-07
Client ID: B-1 (5-6)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.0	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	57		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-07
Client ID: B-1 (5-6)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 04:45
Analyst: JW
Percent Solids: 94%

Extraction Method: EPA 537(M)
Extraction Date: 09/24/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.942	0.021	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.942	0.043	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.942	0.037	1
Perfluorohexanoic Acid (PFHxA)	0.050	J	ug/kg	0.942	0.049	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.942	0.043	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.942	0.057	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.942	0.039	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.942	0.169	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.942	0.128	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.942	0.071	1
Perfluorooctanesulfonic Acid (PFOS)	0.436	J	ug/kg	0.942	0.122	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.942	0.063	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.942	0.270	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.942	0.190	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.942	0.044	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.942	0.144	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	9.42	0.092	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.942	0.080	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.942	0.066	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.942	0.192	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.942	0.051	1
PFOA/PFOS, Total	0.436	J	ug/kg	0.942	0.039	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-07 Date Collected: 09/10/19 11:10

Client ID: B-1 (5-6) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**47**	Q	60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**54**	Q	65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**54**	Q	61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**61**	Q	62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	70		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	86		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	76		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	77		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	104		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**31**	Q	45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**0**	Q	1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**30**	Q	42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	74		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	65		26-160

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-08
Client ID: B-1 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 02:17
Analyst: SZ
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-08 Date Collected: 09/10/19 11:20

Client ID: B-1 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-08 Date Collected: 09/10/19 11:20

Client ID: B-1 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	65		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-08
Client ID: B-1 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 05:02
Analyst: JW
Percent Solids: 95%

Extraction Method: EPA 537(M)
Extraction Date: 09/24/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.982	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.982	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.982	0.038	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.982	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.982	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.982	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.982	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.982	0.176	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.982	0.134	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.982	0.074	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.982	0.128	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.982	0.066	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.982	0.282	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.982	0.198	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.982	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.982	0.150	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.982	0.096	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.982	0.083	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.982	0.069	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.982	0.201	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.982	0.053	1
PFOA/PFOS, Total	ND		ug/kg	0.982	0.041	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-08 Date Collected: 09/10/19 11:20

Client ID: B-1 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	103		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	119		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	133		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	68		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	113		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	92		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		26-160

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-09
Client ID: B-11 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 01:31
Analyst: SZ
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-09 Date Collected: 09/10/19 11:55

Client ID: B-11 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-09 Date Collected: 09/10/19 11:55

Client ID: B-11 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	61		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-09
Client ID: B-11 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 05:18
Analyst: JW
Percent Solids: 90%

Extraction Method: EPA 537(M)
Extraction Date: 09/24/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.04	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.04	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	0.203	J	ug/kg	1.04	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.04	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.04	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.04	0.063	1
Perfluorooctanoic Acid (PFOA)	0.324	J	ug/kg	1.04	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.04	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.04	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.04	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	3.65		ug/kg	1.04	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.04	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.04	0.300	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.04	0.211	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.04	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.04	0.160	1
Perfluorooctanesulfonamide (FOSA)	2.38		ug/kg	1.04	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.85		ug/kg	1.04	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.04	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.04	0.214	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.04	0.057	1
PFOA/PFOS, Total	3.97	J	ug/kg	1.04	0.044	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-09 Date Collected: 09/10/19 11:55

Client ID: B-11 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	114		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	134		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	115		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	61		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	84		26-160

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-10
Client ID: B-11 (0-1)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 06:05
Analyst: SZ
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	590		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	38	J	ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-10 Date Collected: 09/10/19 11:50

Client ID: B-11 (0-1) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	310		ug/kg	120	23.	1
Benzo(a)pyrene	240		ug/kg	160	50.	1
Benzo(b)fluoranthene	370		ug/kg	120	34.	1
Benzo(k)fluoranthene	120		ug/kg	120	32.	1
Chrysene	340		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	46	J	ug/kg	120	40.	1
Benzo(ghi)perylene	170		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	330		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	47	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	180		ug/kg	160	28.	1
Pyrene	470		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	27	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	97.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-10 Date Collected: 09/10/19 11:50

Client ID: B-11 (0-1) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	60	J	ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.3	1
Tentatively Identified Compounds						
Total TIC Compounds	3970	J	ug/kg			1
Unknown	842	J	ug/kg			1
Unknown PAH	203	J	ug/kg			1
Unknown	832	J	ug/kg			1
Tetrachloroethene	960	NJ	ug/kg			1
Unknown	954	J	ug/kg			1
Unknown	181	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	51		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-10
Client ID: B-11 (0-1)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 05:35
Analyst: JW
Percent Solids: 81%

Extraction Method: EPA 537(M)
Extraction Date: 09/24/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.10	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.10	0.051	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.10	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.10	0.058	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.10	0.050	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.10	0.067	1
Perfluorooctanoic Acid (PFOA)	0.195	J	ug/kg	1.10	0.046	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.10	0.198	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.10	0.151	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.10	0.083	1
Perfluorooctanesulfonic Acid (PFOS)	7.27		ug/kg	1.10	0.144	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.10	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.10	0.317	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.10	0.222	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.10	0.052	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.10	0.169	1
Perfluorooctanesulfonamide (FOSA)	0.363	J	ug/kg	1.10	0.108	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.343	J	ug/kg	1.10	0.093	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.10	0.077	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.10	0.226	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.10	0.060	1
PFOA/PFOS, Total	7.47	J	ug/kg	1.10	0.046	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-10 Date Collected: 09/10/19 11:50

Client ID: B-11 (0-1) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**3**	Q	60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**4**	Q	65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**5**	Q	61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**10**	Q	62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**17**	Q	62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	101		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**25**	Q	61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**34**	Q	65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	124		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**23**	Q	45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**48**	Q	64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	3		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**25**	Q	42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**49**	Q	56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	54		26-160

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-11
Client ID: B-6 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 03:48
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-11 Date Collected: 09/10/19 12:55

Client ID: B-6 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-11 Date Collected: 09/10/19 12:55

Client ID: B-6 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
Total TIC Compounds	629	J	ug/kg			1
Unknown	318	J	ug/kg			1
Unknown	311	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	56		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-11
Client ID: B-6 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 05:51
Analyst: JW
Percent Solids: 91%

Extraction Method: EPA 537(M)
Extraction Date: 09/24/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.984	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.984	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.984	0.038	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.984	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.984	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.984	0.060	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.984	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.984	0.177	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.984	0.134	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.984	0.074	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.984	0.128	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.984	0.066	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.984	0.282	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.984	0.198	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.984	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.984	0.151	1
Perfluorooctanesulfonamide (FOSA)	0.105	J	ug/kg	0.984	0.097	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.984	0.083	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.984	0.069	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.984	0.201	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.984	0.053	1
PFOA/PFOS, Total	ND		ug/kg	0.984	0.041	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-11 Date Collected: 09/10/19 12:55

Client ID: B-6 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	102		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	123		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	73		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	65		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	64		26-160

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-12
Client ID: B-6 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 00:22
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-12 Date Collected: 09/10/19 12:50

Client ID: B-6 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-12 Date Collected: 09/10/19 12:50

Client ID: B-6 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	59		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-12
Client ID: B-6 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 10/02/19 16:36
Analyst: JW
Percent Solids: 91%

Extraction Method: EPA 537(M)
Extraction Date: 09/30/19 15:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.04	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.04	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	0.053	J	ug/kg	1.04	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.057	J	ug/kg	1.04	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.04	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.04	0.063	1
Perfluorooctanoic Acid (PFOA)	0.081	J	ug/kg	1.04	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.04	0.187	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.04	0.142	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.04	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	1.95		ug/kg	1.04	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.04	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.04	0.300	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.04	0.210	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.04	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.04	0.160	1
Perfluorooctanesulfonamide (FOSA)	0.129	J	ug/kg	1.04	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.420	J	ug/kg	1.04	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.04	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.04	0.214	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.04	0.056	1
PFOA/PFOS, Total	2.03	J	ug/kg	1.04	0.044	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-12 Date Collected: 09/10/19 12:50

Client ID: B-6 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	75		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	82		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	72		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	74		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	73		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	81		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	75		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	84		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	79		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	82		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	79		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	80		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**34**	Q	45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	78		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**36**	Q	42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	70		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	49		26-160

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-13
Client ID: B-6 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 02:39
Analyst: SZ
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-13 Date Collected: 09/10/19 12:40

Client ID: B-6 (1-2) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-13 Date Collected: 09/10/19 12:40

Client ID: B-6 (1-2) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.4	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	51		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-13
Client ID: B-6 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 06:24
Analyst: JW
Percent Solids: 89%

Extraction Method: EPA 537(M)
Extraction Date: 09/24/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.04	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.04	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.04	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.04	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.04	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.04	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.04	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.04	0.187	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.04	0.142	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.04	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.680	J	ug/kg	1.04	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.04	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.04	0.298	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.04	0.210	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.04	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.04	0.159	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.04	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.04	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.04	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.04	0.213	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.04	0.056	1
PFOA/PFOS, Total	0.680	J	ug/kg	1.04	0.044	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-13 Date Collected: 09/10/19 12:40

Client ID: B-6 (1-2) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	66		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	72		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	84		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	74		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	87		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	78		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	86		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	83		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	79		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	98		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**26**	Q	45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	2		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**28**	Q	42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	73		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	52		26-160

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-14
Client ID: B-10 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 06:51
Analyst: SZ
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	31	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	960		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-14 Date Collected: 09/10/19 13:20

Client ID: B-10 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	420		ug/kg	110	21.	1
Benzo(a)pyrene	380		ug/kg	150	45.	1
Benzo(b)fluoranthene	530		ug/kg	110	31.	1
Benzo(k)fluoranthene	160		ug/kg	110	29.	1
Chrysene	440		ug/kg	110	19.	1
Acenaphthylene	98	J	ug/kg	150	28.	1
Anthracene	120		ug/kg	110	36.	1
Benzo(ghi)perylene	260		ug/kg	150	22.	1
Fluorene	46	J	ug/kg	180	18.	1
Phenanthrene	640		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	59	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	270		ug/kg	150	26.	1
Pyrene	860		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	29	J	ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-14 Date Collected: 09/10/19 13:20

Client ID: B-10 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	47	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	3580	J	ug/kg			1
Unknown PAH	183	J	ug/kg			1
Unknown	394	J	ug/kg			1
Unknown Phenol	2500	J	ug/kg			1
Unknown PAH	154	J	ug/kg			1
Unknown	184	J	ug/kg			1
Unknown	160	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	47		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-14
Client ID: B-10 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 08:37
Analyst: JW
Percent Solids: 90%

Extraction Method: EPA 537(M)
Extraction Date: 09/24/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.993	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.993	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.993	0.039	1
Perfluorohexanoic Acid (PFHxA)	0.055	J	ug/kg	0.993	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.993	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.993	0.060	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.993	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.993	0.178	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.993	0.136	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.993	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	0.878	J	ug/kg	0.993	0.129	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.993	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.993	0.285	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.993	0.200	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.993	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.993	0.152	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.993	0.097	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.993	0.084	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.993	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.993	0.203	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.993	0.054	1
PFOA/PFOS, Total	0.878	J	ug/kg	0.993	0.042	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-14 Date Collected: 09/10/19 13:20

Client ID: B-10 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	104		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	127		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	113		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	160		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	98		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	128		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	95		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	101		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	113		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	113		26-160

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-15
Client ID: B-10 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:25
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 07:14
Analyst: SZ
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	65	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	2900		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	100	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-15 Date Collected: 09/10/19 13:25

Client ID: B-10 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	1400		ug/kg	110	21.	1
Benzo(a)pyrene	1400		ug/kg	150	46.	1
Benzo(b)fluoranthene	1800		ug/kg	110	32.	1
Benzo(k)fluoranthene	660		ug/kg	110	30.	1
Chrysene	1500		ug/kg	110	19.	1
Acenaphthylene	380		ug/kg	150	29.	1
Anthracene	320		ug/kg	110	36.	1
Benzo(ghi)perylene	1000		ug/kg	150	22.	1
Fluorene	93	J	ug/kg	190	18.	1
Phenanthrene	1300		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	220		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	1000		ug/kg	150	26.	1
Pyrene	2700		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	71	J	ug/kg	190	18.	1
2-Methylnaphthalene	33	J	ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-15
Client ID: B-10 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:25
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	130	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1
Tentatively Identified Compounds						
Total TIC Compounds	5290	J	ug/kg			1
Unknown	220	J	ug/kg			1
Unknown PAH	306	J	ug/kg			1
Unknown PAH	400	J	ug/kg			1
Unknown PAH	229	J	ug/kg			1
Unknown PAH	303	J	ug/kg			1
Unknown PAH	390	J	ug/kg			1
Unknown	1280	J	ug/kg			1
Unknown PAH	196	J	ug/kg			1
Unknown PAH	262	J	ug/kg			1
Unknown PAH	269	J	ug/kg			1
Unknown PAH	497	J	ug/kg			1
Unknown PAH	335	J	ug/kg			1
Vanillin	189	NJ	ug/kg			1
Unknown PAH	184	J	ug/kg			1
Unknown PAH	225	J	ug/kg			1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-15 Date Collected: 09/10/19 13:25

Client ID: B-10 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	95		25-120
Phenol-d6	108		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	110		10-136
4-Terphenyl-d14	70		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-15
Client ID: B-10 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:25
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 08:54
Analyst: JW
Percent Solids: 88%

Extraction Method: EPA 537(M)
Extraction Date: 09/24/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.02	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.02	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.02	0.040	1
Perfluorohexanoic Acid (PFHxA)	0.060	J	ug/kg	1.02	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.02	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.02	0.062	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.02	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.02	0.184	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.02	0.140	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.02	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	0.364	J	ug/kg	1.02	0.133	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.02	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.02	0.293	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.02	0.206	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.02	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.02	0.156	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.02	0.100	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.02	0.086	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.02	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.02	0.209	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.02	0.055	1
PFOA/PFOS, Total	0.364	J	ug/kg	1.02	0.043	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-15 Date Collected: 09/10/19 13:25

Client ID: B-10 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	96		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	108		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	122		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	111		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	72		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85		26-160

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-16
Client ID: B-10 (11-12)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 00:45
Analyst: SZ
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-16 Date Collected: 09/10/19 13:30

Client ID: B-10 (11-12) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-16 Date Collected: 09/10/19 13:30

Client ID: B-10 (11-12) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	56		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-16
Client ID: B-10 (11-12)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 09:10
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 537(M)
Extraction Date: 09/24/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.04	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.04	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.04	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.057	J	ug/kg	1.04	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.04	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.04	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.04	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.04	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.04	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.04	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.04	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.04	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.04	0.300	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.04	0.211	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.04	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.04	0.160	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.04	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.04	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.04	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.04	0.214	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.04	0.056	1
PFOA/PFOS, Total	ND		ug/kg	1.04	0.044	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-16 Date Collected: 09/10/19 13:30

Client ID: B-10 (11-12) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	100		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	92		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	85		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	115		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	111		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	92		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	69		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	88		26-160

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-17
Client ID: B-15 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 07:37
Analyst: SZ
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	320		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	170	J	ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-17 Date Collected: 09/10/19 13:40

Client ID: B-15 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	180		ug/kg	110	20.	1
Benzo(a)pyrene	170		ug/kg	140	44.	1
Benzo(b)fluoranthene	220		ug/kg	110	30.	1
Benzo(k)fluoranthene	70	J	ug/kg	110	29.	1
Chrysene	200		ug/kg	110	19.	1
Acenaphthylene	38	J	ug/kg	140	28.	1
Anthracene	38	J	ug/kg	110	35.	1
Benzo(ghi)perylene	120	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	130		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	37	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	140	25.	1
Pyrene	300		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-17 Date Collected: 09/10/19 13:40

Client ID: B-15 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
Total TIC Compounds	2010	J	ug/kg			1
Unknown Phenol	1710	J	ug/kg			1
Unknown Alkane	298	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	46		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-17
Client ID: B-15 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 09:27
Analyst: JW
Percent Solids: 90%

Extraction Method: EPA 537(M)
Extraction Date: 09/24/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.08	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.08	0.050	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.08	0.042	1
Perfluorohexanoic Acid (PFHxA)	0.085	J	ug/kg	1.08	0.057	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.08	0.049	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.08	0.066	1
Perfluorooctanoic Acid (PFOA)	0.152	J	ug/kg	1.08	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.08	0.195	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.08	0.148	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.08	0.081	1
Perfluorooctanesulfonic Acid (PFOS)	1.78		ug/kg	1.08	0.141	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.08	0.073	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.08	0.311	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.08	0.218	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.08	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.08	0.166	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.08	0.106	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.08	0.092	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.08	0.076	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.08	0.222	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.08	0.059	1
PFOA/PFOS, Total	1.93	J	ug/kg	1.08	0.045	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-17 Date Collected: 09/10/19 13:40

Client ID: B-15 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	90		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	96		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	118		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	69		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	112		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	8		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	67		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		26-160

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-18
Client ID: B-15 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 05:42
Analyst: SZ
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	27	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-18 Date Collected: 09/10/19 13:50

Client ID: B-15 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	22	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	23	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	ND		ug/kg	180	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-18 Date Collected: 09/10/19 13:50

Client ID: B-15 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1
Tentatively Identified Compounds						
Total TIC Compounds	6920	J	ug/kg			1
Unknown	415	J	ug/kg			1
Unknown Phenol	4080	J	ug/kg			1
Unknown	316	J	ug/kg			1
Unknown	249	J	ug/kg			1
Unknown	406	J	ug/kg			1
Unknown	207	J	ug/kg			1
Unknown	268	J	ug/kg			1
Unknown	233	J	ug/kg			1
Unknown	498	J	ug/kg			1
Unknown	243	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	112		25-120
Phenol-d6	**122**	Q	10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	110		30-120
2,4,6-Tribromophenol	**152**	Q	10-136
4-Terphenyl-d14	91		18-120

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-18
Client ID: B-15 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 09:43
Analyst: JW
Percent Solids: 89%

Extraction Method: EPA 537(M)
Extraction Date: 09/24/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.04	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.04	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.04	0.040	1
Perfluorohexanoic Acid (PFHxA)	0.057	J	ug/kg	1.04	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.04	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.04	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.04	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.04	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.04	0.142	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.04	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.338	J	ug/kg	1.04	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.04	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.04	0.298	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.04	0.209	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.04	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.04	0.159	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.04	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.04	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.04	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.04	0.212	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.04	0.056	1
PFOA/PFOS, Total	0.338	J	ug/kg	1.04	0.043	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-18 Date Collected: 09/10/19 13:50

Client ID: B-15 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	97		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	124		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	87		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	71		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		26-160

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-19
Client ID: FB
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 15:00
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 09/25/19 12:22
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 09/24/19 08:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.07	0.423	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.07	0.411	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.07	0.247	1
Perfluorohexanoic Acid (PFHxA)	0.490	J	ng/l	2.07	0.340	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.07	0.234	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.07	0.390	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.07	0.245	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.07	1.38	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.07	0.714	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.07	0.324	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.07	0.523	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.07	0.315	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.07	1.26	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.07	0.672	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.07	0.270	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.07	1.02	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.07	0.602	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.07	0.834	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.07	0.386	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.07	0.339	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.07	0.257	1
PFOA/PFOS, Total	ND		ng/l	2.07	0.245	1

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-19 Date Collected: 09/10/19 15:00

Client ID: FB Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	105		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	124		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	105		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	104		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	106		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	104		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	93		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	83		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	51		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	87		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		33-143

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/19 00:01
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/11/19 22:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 15-18 Batch: WG1283045-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/19 00:01
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/11/19 22:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 15-18 Batch: WG1283045-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/19 00:01
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/11/19 22:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 15-18 Batch: WG1283045-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	94		18-120

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/16/19 21:42
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-14 Batch: WG1283515-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.
Hexachlorobenzene	ND		ug/kg	100	19.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
1,2-Dichlorobenzene	ND		ug/kg	170	30.
1,3-Dichlorobenzene	ND		ug/kg	170	28.
1,4-Dichlorobenzene	ND		ug/kg	170	29.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	480	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	57.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	31.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/16/19 21:42
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-14 Batch: WG1283515-1					
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/16/19 21:42
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/12/19 19:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-14 Batch: WG1283515-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	16.
1,4-Dioxane	ND		ug/kg	25	7.6
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	98		25-120
Phenol-d6	104		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	119		10-136
4-Terphenyl-d14	89		18-120

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 09/25/19 13:44
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 09/24/19 08:11

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 19 Batch: WG1287720-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	0.428	J	ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 09/25/19 13:44
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 09/24/19 08:11

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 19 Batch: WG1287720-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	111		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	127		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	111		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	106		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	109		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	108		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	109		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	104		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	108		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	104		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	119		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	82		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	110		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	48		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	83		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85		33-143

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 09/30/19 06:41
Analyst: JW

Extraction Method: EPA 537(M)
Extraction Date: 09/24/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-11,13-18 Batch: WG1287776-1					
Perfluorobutanoic Acid (PFBA)	0.126	J	ug/kg	1.00	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.00	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.00	0.039
Perfluorohexanoic Acid (PFHxA)	0.059	J	ug/kg	1.00	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.00	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.00	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.00	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.00	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.00	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.00	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.00	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.00	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.00	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.00	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.00	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.00	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.00	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.00	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.00	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.00	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.00	0.054
PFOA/PFOS, Total	ND		ug/kg	1.00	0.042

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 09/30/19 06:41
Analyst: JW

Extraction Method: EPA 537(M)
Extraction Date: 09/24/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-11,13-18 Batch: WG1287776-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	73		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	79		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	113		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	146		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**0**	Q	1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		26-160

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 10/02/19 19:39
Analyst: JW

Extraction Method: EPA 537(M)
Extraction Date: 09/30/19 15:19

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 12 Batch: WG1290300-1					
Perfluorobutanoic Acid (PFBA)	0.122	J	ug/kg	1.00	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.00	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.00	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.00	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.00	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.00	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.00	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.00	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.00	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.00	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.00	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.00	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.00	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.00	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.00	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.00	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.00	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.00	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.00	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.00	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.00	0.054
PFOA/PFOS, Total	ND		ug/kg	1.00	0.042

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 10/02/19 19:39
Analyst: JW

Extraction Method: EPA 537(M)
Extraction Date: 09/30/19 15:19

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 12 Batch: WG1290300-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	74		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	89		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	77		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	79		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	89		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	80		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	80		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	86		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	91		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	69		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	1		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	61		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	77		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	63		26-160

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-18 Batch: WG1283045-2 WG1283045-3								
Acenaphthene	71		71		31-137	0		50
1,2,4-Trichlorobenzene	72		69		38-107	4		50
Hexachlorobenzene	73		71		40-140	3		50
Bis(2-chloroethyl)ether	64		59		40-140	8		50
2-Chloronaphthalene	80		76		40-140	5		50
1,2-Dichlorobenzene	72		67		40-140	7		50
1,3-Dichlorobenzene	66		66		40-140	0		50
1,4-Dichlorobenzene	68		63		28-104	8		50
3,3'-Dichlorobenzidine	54		54		40-140	0		50
2,4-Dinitrotoluene	91		92		40-132	1		50
2,6-Dinitrotoluene	91		92		40-140	1		50
Fluoranthene	78		76		40-140	3		50
4-Chlorophenyl phenyl ether	76		77		40-140	1		50
4-Bromophenyl phenyl ether	77		75		40-140	3		50
Bis(2-chloroisopropyl)ether	57		53		40-140	7		50
Bis(2-chloroethoxy)methane	70		67		40-117	4		50
Hexachlorobutadiene	75		77		40-140	3		50
Hexachlorocyclopentadiene	63		64		40-140	2		50
Hexachloroethane	70		68		40-140	3		50
Isophorone	73		72		40-140	1		50
Naphthalene	72		72		40-140	0		50
Nitrobenzene	83		77		40-140	8		50
NDPA/DPA	77		77		36-157	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-18 Batch: WG1283045-2 WG1283045-3								
n-Nitrosodi-n-propylamine	75		75		32-121	0		50
Bis(2-ethylhexyl)phthalate	86		86		40-140	0		50
Butyl benzyl phthalate	90		89		40-140	1		50
Di-n-butylphthalate	82		82		40-140	0		50
Di-n-octylphthalate	86		89		40-140	3		50
Diethyl phthalate	80		81		40-140	1		50
Dimethyl phthalate	85		82		40-140	4		50
Benzo(a)anthracene	72		73		40-140	1		50
Benzo(a)pyrene	74		75		40-140	1		50
Benzo(b)fluoranthene	78		81		40-140	4		50
Benzo(k)fluoranthene	74		74		40-140	0		50
Chrysene	71		70		40-140	1		50
Acenaphthylene	80		75		40-140	6		50
Anthracene	74		73		40-140	1		50
Benzo(ghi)perylene	77		77		40-140	0		50
Fluorene	75		78		40-140	4		50
Phenanthrene	71		70		40-140	1		50
Dibenzo(a,h)anthracene	74		74		40-140	0		50
Indeno(1,2,3-cd)pyrene	77		78		40-140	1		50
Pyrene	76		74		35-142	3		50
Biphenyl	82		78		37-127	5		50
4-Chloroaniline	57		58		40-140	2		50
2-Nitroaniline	100		92		47-134	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-18 Batch: WG1283045-2 WG1283045-3								
3-Nitroaniline	70		71		26-129	1		50
4-Nitroaniline	78		85		41-125	9		50
Dibenzofuran	75		76		40-140	1		50
2-Methylnaphthalene	76		73		40-140	4		50
1,2,4,5-Tetrachlorobenzene	79		76		40-117	4		50
Acetophenone	76		74		14-144	3		50
2,4,6-Trichlorophenol	78		79		30-130	1		50
p-Chloro-m-cresol	89		89		26-103	0		50
2-Chlorophenol	75		69		25-102	8		50
2,4-Dichlorophenol	79		76		30-130	4		50
2,4-Dimethylphenol	86		79		30-130	8		50
2-Nitrophenol	95		90		30-130	5		50
4-Nitrophenol	107		104		11-114	3		50
2,4-Dinitrophenol	83		85		4-130	2		50
4,6-Dinitro-o-cresol	102		101		10-130	1		50
Pentachlorophenol	72		74		17-109	3		50
Phenol	72		69		26-90	4		50
2-Methylphenol	77		74		30-130.	4		50
3-Methylphenol/4-Methylphenol	76		70		30-130	8		50
2,4,5-Trichlorophenol	81		81		30-130	0		50
Benzoic Acid	24		24		10-110	0		50
Benzyl Alcohol	83		77		40-140	8		50
Carbazole	74		73		54-128	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-18 Batch: WG1283045-2 WG1283045-3								
1,4-Dioxane	48		47		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		74		25-120
Phenol-d6	83		78		10-120
Nitrobenzene-d5	91		88		23-120
2-Fluorobiphenyl	87		82		30-120
2,4,6-Tribromophenol	83		84		10-136
4-Terphenyl-d14	82		80		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG1283515-2 WG1283515-3								
Acenaphthene	74		68		31-137	8		50
1,2,4-Trichlorobenzene	80		80		38-107	0		50
Hexachlorobenzene	85		78		40-140	9		50
Bis(2-chloroethyl)ether	72		72		40-140	0		50
2-Chloronaphthalene	84		81		40-140	4		50
1,2-Dichlorobenzene	75		80		40-140	6		50
1,3-Dichlorobenzene	73		78		40-140	7		50
1,4-Dichlorobenzene	73		79		28-104	8		50
3,3'-Dichlorobenzidine	66		63		40-140	5		50
2,4-Dinitrotoluene	90		83		40-132	8		50
2,6-Dinitrotoluene	99		95		40-140	4		50
Fluoranthene	80		72		40-140	11		50
4-Chlorophenyl phenyl ether	77		70		40-140	10		50
4-Bromophenyl phenyl ether	84		76		40-140	10		50
Bis(2-chloroisopropyl)ether	69		69		40-140	0		50
Bis(2-chloroethoxy)methane	78		77		40-117	1		50
Hexachlorobutadiene	81		80		40-140	1		50
Hexachlorocyclopentadiene	58		51		40-140	13		50
Hexachloroethane	75		81		40-140	8		50
Isophorone	82		81		40-140	1		50
Naphthalene	76		75		40-140	1		50
Nitrobenzene	80		81		40-140	1		50
NDPA/DPA	81		75		36-157	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG1283515-2 WG1283515-3								
n-Nitrosodi-n-propylamine	80		80		32-121	0		50
Bis(2-ethylhexyl)phthalate	78		71		40-140	9		50
Butyl benzyl phthalate	89		81		40-140	9		50
Di-n-butylphthalate	82		74		40-140	10		50
Di-n-octylphthalate	78		71		40-140	9		50
Diethyl phthalate	84		77		40-140	9		50
Dimethyl phthalate	94		86		40-140	9		50
Benzo(a)anthracene	73		67		40-140	9		50
Benzo(a)pyrene	74		68		40-140	8		50
Benzo(b)fluoranthene	76		72		40-140	5		50
Benzo(k)fluoranthene	79		70		40-140	12		50
Chrysene	73		67		40-140	9		50
Acenaphthylene	86		79		40-140	8		50
Anthracene	77		70		40-140	10		50
Benzo(ghi)perylene	76		69		40-140	10		50
Fluorene	79		74		40-140	7		50
Phenanthrene	73		66		40-140	10		50
Dibenzo(a,h)anthracene	78		70		40-140	11		50
Indeno(1,2,3-cd)pyrene	79		70		40-140	12		50
Pyrene	78		71		35-142	9		50
Biphenyl	83		79		37-127	5		50
4-Chloroaniline	78		67		40-140	15		50
2-Nitroaniline	96		88		47-134	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG1283515-2 WG1283515-3								
3-Nitroaniline	68		66		26-129	3		50
4-Nitroaniline	77		72		41-125	7		50
Dibenzofuran	75		71		40-140	5		50
2-Methylnaphthalene	82		79		40-140	4		50
1,2,4,5-Tetrachlorobenzene	84		79		40-117	6		50
Acetophenone	81		81		14-144	0		50
2,4,6-Trichlorophenol	90		83		30-130	8		50
p-Chloro-m-cresol	90		83		26-103	8		50
2-Chlorophenol	82		80		25-102	2		50
2,4-Dichlorophenol	91		86		30-130	6		50
2,4-Dimethylphenol	91		87		30-130	4		50
2-Nitrophenol	90		87		30-130	3		50
4-Nitrophenol	94		85		11-114	10		50
2,4-Dinitrophenol	72		55		4-130	27		50
4,6-Dinitro-o-cresol	92		80		10-130	14		50
Pentachlorophenol	70		62		17-109	12		50
Phenol	79		77		26-90	3		50
2-Methylphenol	83		82		30-130.	1		50
3-Methylphenol/4-Methylphenol	91		88		30-130	3		50
2,4,5-Trichlorophenol	94		87		30-130	8		50
Benzoic Acid	40		25		10-110	46		50
Benzyl Alcohol	83		80		40-140	4		50
Carbazole	78		70		54-128	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG1283515-2 WG1283515-3								
1,4-Dioxane	51		59		40-140	15		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		77		25-120
Phenol-d6	78		78		10-120
Nitrobenzene-d5	63		65		23-120
2-Fluorobiphenyl	65		63		30-120
2,4,6-Tribromophenol	89		84		10-136
4-Terphenyl-d14	62		57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 19 Batch: WG1287720-2 WG1287720-3								
Perfluorobutanoic Acid (PFBA)	134		130		67-148	3		30
Perfluoropentanoic Acid (PFPeA)	127		123		63-161	3		30
Perfluorobutanesulfonic Acid (PFBS)	117		114		65-157	3		30
Perfluorohexanoic Acid (PFHxA)	132		126		69-168	5		30
Perfluoroheptanoic Acid (PFHpA)	132		131		58-159	1		30
Perfluorohexanesulfonic Acid (PFHxS)	144		140		69-177	3		30
Perfluorooctanoic Acid (PFOA)	132		127		63-159	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	150		142		49-187	5		30
Perfluoroheptanesulfonic Acid (PFHpS)	118		126		61-179	7		30
Perfluorononanoic Acid (PFNA)	129		127		68-171	2		30
Perfluorooctanesulfonic Acid (PFOS)	136		137		52-151	1		30
Perfluorodecanoic Acid (PFDA)	132		130		63-171	2		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	122		138		56-173	12		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	125		146		60-166	15		30
Perfluoroundecanoic Acid (PFUnA)	128		125		60-153	2		30
Perfluorodecanesulfonic Acid (PFDS)	114		110		38-156	4		30
Perfluorooctanesulfonamide (FOSA)	108		114		46-170	5		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	120		133		45-170	10		30
Perfluorododecanoic Acid (PFDoA)	134		128		67-153	5		30
Perfluorotridecanoic Acid (PFTrDA)	**163**	Q	152		48-158	7		30
Perfluorotetradecanoic Acid (PFTA)	130		125		59-182	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 19 Batch: WG1287720-2 WG1287720-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	109		99		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	126		115		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	105		100		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	104		95		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	105		95		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		97		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		96		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	107		105		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		92		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		93		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		85		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	113		99		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	78		70		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94		84		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	49		42		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73		67		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	82		78		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83		77		33-143

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-11,13-18 Batch: WG1287776-2 WG1287776-3								
Perfluorobutanoic Acid (PFBA)	121		118		71-135	3		30
Perfluoropentanoic Acid (PFPeA)	118		116		69-132	2		30
Perfluorobutanesulfonic Acid (PFBS)	111		110		72-128	1		30
Perfluorohexanoic Acid (PFHxA)	123		119		70-132	3		30
Perfluoroheptanoic Acid (PFHpA)	121		118		71-131	3		30
Perfluorohexanesulfonic Acid (PFHxS)	123		125		67-130	2		30
Perfluorooctanoic Acid (PFOA)	125		118		69-133	6		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	137		132		64-140	4		30
Perfluoroheptanesulfonic Acid (PFHpS)	109		123		70-132	12		30
Perfluorononanoic Acid (PFNA)	121		122		72-129	1		30
Perfluorooctanesulfonic Acid (PFOS)	115		119		68-136	3		30
Perfluorodecanoic Acid (PFDA)	121		117		69-133	3		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	125		118		65-137	6		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	120		138		63-144	14		30
Perfluoroundecanoic Acid (PFUnA)	122		117		64-136	4		30
Perfluorodecanesulfonic Acid (PFDS)	122		113		59-134	8		30
Perfluorooctanesulfonamide (FOSA)	**32**	Q	**164**	Q	67-137	**135**	Q	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	125		116		61-139	7		30
Perfluorododecanoic Acid (PFDoA)	120		118		69-135	2		30
Perfluorotridecanoic Acid (PFTrDA)	124		132		66-139	6		30
Perfluorotetradecanoic Acid (PFTA)	117		114		69-133	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-11,13-18 Batch: WG1287776-2 WG1287776-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	80		79		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		87		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		106		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		85		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		92		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		107		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		99		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	113		128		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		100		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		105		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		101		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	132		149		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		81		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	123		115		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**0**	Q	**0**	Q	1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		82		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		99		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		83		26-160

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 12 Batch: WG1290300-2 WG1290300-3								
Perfluorobutanoic Acid (PFBA)	91		117		71-135	0		30
Perfluoropentanoic Acid (PFPeA)	82		106		69-132	1		30
Perfluorobutanesulfonic Acid (PFBS)	80		102		72-128	1		30
Perfluorohexanoic Acid (PFHxA)	90		116		70-132	1		30
Perfluoroheptanoic Acid (PFHpA)	90		116		71-131	1		30
Perfluorohexanesulfonic Acid (PFHxS)	100		122		67-130	3		30
Perfluorooctanoic Acid (PFOA)	93		113		69-133	5		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	88		130		64-140	2		30
Perfluoroheptanesulfonic Acid (PFHpS)	89		100		70-132	1		30
Perfluorononanoic Acid (PFNA)	91		116		72-129	0		30
Perfluorooctanesulfonic Acid (PFOS)	90		111		68-136	6		30
Perfluorodecanoic Acid (PFDA)	90		115		69-133	3		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	93		105		65-137	10		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	97		132		63-144	8		30
Perfluoroundecanoic Acid (PFUnA)	89		113		64-136	3		30
Perfluorodecanesulfonic Acid (PFDS)	84		108		59-134	6		30
Perfluorooctanesulfonamide (FOSA)	67		122		67-137	15		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	87		112		61-139	7		30
Perfluorododecanoic Acid (PFDoA)	91		117		69-135	4		30
Perfluorotridecanoic Acid (PFTrDA)	105		135		66-139	3		30
Perfluorotetradecanoic Acid (PFTA)	88		112		69-133	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 12 Batch: WG1290300-2 WG1290300-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	71		76		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		88		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83		83		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		78		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	79		80		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	83		85		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		84		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	101		91		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	85		84		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	85		92		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		87		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	102		106		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70		69		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		89		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**0**	Q	1		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64		67		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	79		79		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	64		66		26-160

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-11,13-18 QC Batch ID: WG1287776-4 QC Sample: L1941309-01 Client ID: B-2 (3-4)												
Perfluorobutanoic Acid (PFBA)	ND	4.52	5.34	118		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	4.52	5.34	118		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4	4.46	111		-	-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	ND	4.52	5.49	122		-	-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	4.52	5.43	120		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.12	5.17	125		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	ND	4.52	5.65	125		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.29	5.46	127		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.29	5.00	116		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	4.52	5.38	119		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.18	5.13	123		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	4.52	5.48	121		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.34	5.58	129		-	-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	4.52	6.79	**150**	Q	-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	4.52	5.46	121		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.36	5.50	126		-	-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	ND	4.52	5.38	119		-	-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	4.52	5.63	125		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	4.52	5.65	125		-	-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	4.52	6.13	136		-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	4.52	5.75	127		-	-		69-133	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-11,13-18 QC Batch ID: WG1287776-4 QC Sample: L1941309-01 Client ID: B-2 (3-4)

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	121				25-186
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	105				32-182
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**35**	Q			42-136
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**26**	Q			45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94				64-158
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88				65-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76				61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81				62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100				63-166
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84				56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69				26-160
Perfluoro[13C4]Butanoic Acid (MPFBA)	74				60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	80				65-182
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	2				1-125
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101				65-151
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84				62-152
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90				61-154
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97				70-151

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-11,13-18 QC Batch ID: WG1287776-5 QC Sample: L1941309-02 Client ID: B-2 (6-7)						
Perfluorobutanoic Acid (PFBA)	ND	ND	ug/kg	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ug/kg	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ug/kg	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ug/kg	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ug/kg	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ug/kg	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ug/kg	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ug/kg	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ug/kg	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ug/kg	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ug/kg	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ug/kg	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ug/kg	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ug/kg	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ug/kg	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ug/kg	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ug/kg	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ug/kg	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ug/kg	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ug/kg	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-11,13-18 QC Batch ID: WG1287776-5 QC Sample: L1941309-02 Client ID: B-2 (6-7)						
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ug/kg	NC		30
PFOA/PFOS, Total	ND	ND	ug/kg	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		91		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		94		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		104		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		83		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		87		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		108		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		91		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	114		120		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		93		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		102		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		92		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	124		132		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	56		60		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108		105		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	85		35		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		55		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		85		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77		71		26-160

PCBS

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-01
Client ID: B-2 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 09:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 12:30
Analyst: AWS
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.8	3.00	1	A
Aroclor 1221	ND		ug/kg	33.8	3.38	1	A
Aroclor 1232	ND		ug/kg	33.8	7.16	1	A
Aroclor 1242	ND		ug/kg	33.8	4.55	1	A
Aroclor 1248	ND		ug/kg	33.8	5.06	1	A
Aroclor 1254	ND		ug/kg	33.8	3.69	1	A
Aroclor 1260	ND		ug/kg	33.8	6.24	1	A
Aroclor 1262	ND		ug/kg	33.8	4.29	1	A
Aroclor 1268	ND		ug/kg	33.8	3.50	1	A
PCBs, Total	ND		ug/kg	33.8	3.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-02
Client ID: B-2 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 09:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 12:42
Analyst: AWS
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	3.16	1	A
Aroclor 1221	ND		ug/kg	35.6	3.57	1	A
Aroclor 1232	ND		ug/kg	35.6	7.56	1	A
Aroclor 1242	ND		ug/kg	35.6	4.80	1	A
Aroclor 1248	ND		ug/kg	35.6	5.35	1	A
Aroclor 1254	ND		ug/kg	35.6	3.90	1	A
Aroclor 1260	ND		ug/kg	35.6	6.59	1	A
Aroclor 1262	ND		ug/kg	35.6	4.53	1	A
Aroclor 1268	ND		ug/kg	35.6	3.69	1	A
PCBs, Total	ND		ug/kg	35.6	3.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-03
Client ID: B-7 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 12:54
Analyst: AWS
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.2	3.39	1	A
Aroclor 1221	ND		ug/kg	38.2	3.83	1	A
Aroclor 1232	ND		ug/kg	38.2	8.10	1	A
Aroclor 1242	ND		ug/kg	38.2	5.15	1	A
Aroclor 1248	ND		ug/kg	38.2	5.73	1	A
Aroclor 1254	ND		ug/kg	38.2	4.18	1	A
Aroclor 1260	12.9	J	ug/kg	38.2	7.06	1	B
Aroclor 1262	ND		ug/kg	38.2	4.85	1	A
Aroclor 1268	ND		ug/kg	38.2	3.96	1	A
PCBs, Total	12.9	J	ug/kg	38.2	3.39	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-04
Client ID: B-16 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 13:06
Analyst: AWS
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.4	3.06	1	A
Aroclor 1221	ND		ug/kg	34.4	3.45	1	A
Aroclor 1232	ND		ug/kg	34.4	7.30	1	A
Aroclor 1242	ND		ug/kg	34.4	4.64	1	A
Aroclor 1248	ND		ug/kg	34.4	5.16	1	A
Aroclor 1254	ND		ug/kg	34.4	3.77	1	A
Aroclor 1260	ND		ug/kg	34.4	6.36	1	A
Aroclor 1262	ND		ug/kg	34.4	4.37	1	A
Aroclor 1268	ND		ug/kg	34.4	3.57	1	A
PCBs, Total	ND		ug/kg	34.4	3.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-05
Client ID: B-16 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:35
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 13:17
Analyst: AWS
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.10	1	A
Aroclor 1221	ND		ug/kg	35.0	3.50	1	A
Aroclor 1232	ND		ug/kg	35.0	7.41	1	A
Aroclor 1242	ND		ug/kg	35.0	4.71	1	A
Aroclor 1248	ND		ug/kg	35.0	5.24	1	A
Aroclor 1254	ND		ug/kg	35.0	3.82	1	A
Aroclor 1260	ND		ug/kg	35.0	6.46	1	A
Aroclor 1262	ND		ug/kg	35.0	4.44	1	A
Aroclor 1268	ND		ug/kg	35.0	3.62	1	A
PCBs, Total	ND		ug/kg	35.0	3.10	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-06
Client ID: B-1 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 13:29
Analyst: AWS
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.2	3.04	1	A
Aroclor 1221	ND		ug/kg	34.2	3.42	1	A
Aroclor 1232	ND		ug/kg	34.2	7.25	1	A
Aroclor 1242	ND		ug/kg	34.2	4.61	1	A
Aroclor 1248	ND		ug/kg	34.2	5.13	1	A
Aroclor 1254	ND		ug/kg	34.2	3.74	1	A
Aroclor 1260	ND		ug/kg	34.2	6.32	1	A
Aroclor 1262	ND		ug/kg	34.2	4.34	1	A
Aroclor 1268	ND		ug/kg	34.2	3.54	1	A
PCBs, Total	ND		ug/kg	34.2	3.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-07
Client ID: B-1 (5-6)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 13:41
Analyst: AWS
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:49
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.0	3.01	1	A
Aroclor 1221	ND		ug/kg	34.0	3.40	1	A
Aroclor 1232	ND		ug/kg	34.0	7.20	1	A
Aroclor 1242	ND		ug/kg	34.0	4.58	1	A
Aroclor 1248	ND		ug/kg	34.0	5.09	1	A
Aroclor 1254	ND		ug/kg	34.0	3.71	1	A
Aroclor 1260	ND		ug/kg	34.0	6.27	1	A
Aroclor 1262	ND		ug/kg	34.0	4.31	1	A
Aroclor 1268	ND		ug/kg	34.0	3.52	1	A
PCBs, Total	ND		ug/kg	34.0	3.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-08
Client ID: B-1 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 13:53
Analyst: AWS
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:49
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.5	2.97	1	A
Aroclor 1221	ND		ug/kg	33.5	3.36	1	A
Aroclor 1232	ND		ug/kg	33.5	7.10	1	A
Aroclor 1242	ND		ug/kg	33.5	4.51	1	A
Aroclor 1248	ND		ug/kg	33.5	5.02	1	A
Aroclor 1254	ND		ug/kg	33.5	3.66	1	A
Aroclor 1260	ND		ug/kg	33.5	6.19	1	A
Aroclor 1262	ND		ug/kg	33.5	4.25	1	A
Aroclor 1268	ND		ug/kg	33.5	3.47	1	A
PCBs, Total	ND		ug/kg	33.5	2.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-09
Client ID: B-11 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/15/19 12:59
Analyst: AWS
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 19:27
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	3.16	1	A
Aroclor 1221	ND		ug/kg	35.6	3.56	1	A
Aroclor 1232	ND		ug/kg	35.6	7.54	1	A
Aroclor 1242	ND		ug/kg	35.6	4.80	1	A
Aroclor 1248	ND		ug/kg	35.6	5.34	1	A
Aroclor 1254	ND		ug/kg	35.6	3.89	1	A
Aroclor 1260	ND		ug/kg	35.6	6.58	1	A
Aroclor 1262	ND		ug/kg	35.6	4.52	1	A
Aroclor 1268	ND		ug/kg	35.6	3.69	1	A
PCBs, Total	ND		ug/kg	35.6	3.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-10
Client ID: B-11 (0-1)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 14:16
Analyst: AWS
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:49
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.6	3.51	1	A
Aroclor 1221	ND		ug/kg	39.6	3.96	1	A
Aroclor 1232	ND		ug/kg	39.6	8.39	1	A
Aroclor 1242	ND		ug/kg	39.6	5.34	1	A
Aroclor 1248	ND		ug/kg	39.6	5.94	1	A
Aroclor 1254	ND		ug/kg	39.6	4.33	1	A
Aroclor 1260	ND		ug/kg	39.6	7.31	1	A
Aroclor 1262	ND		ug/kg	39.6	5.03	1	A
Aroclor 1268	ND		ug/kg	39.6	4.10	1	A
PCBs, Total	ND		ug/kg	39.6	3.51	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-11
Client ID: B-6 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 14:28
Analyst: AWS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:49
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.10	1	A
Aroclor 1221	ND		ug/kg	35.0	3.50	1	A
Aroclor 1232	ND		ug/kg	35.0	7.41	1	A
Aroclor 1242	ND		ug/kg	35.0	4.71	1	A
Aroclor 1248	ND		ug/kg	35.0	5.24	1	A
Aroclor 1254	ND		ug/kg	35.0	3.82	1	A
Aroclor 1260	ND		ug/kg	35.0	6.46	1	A
Aroclor 1262	ND		ug/kg	35.0	4.44	1	A
Aroclor 1268	ND		ug/kg	35.0	3.62	1	A
PCBs, Total	ND		ug/kg	35.0	3.10	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-12
Client ID: B-6 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 15:27
Analyst: AWS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:49
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	3.16	1	A
Aroclor 1221	ND		ug/kg	35.5	3.56	1	A
Aroclor 1232	ND		ug/kg	35.5	7.53	1	A
Aroclor 1242	ND		ug/kg	35.5	4.79	1	A
Aroclor 1248	ND		ug/kg	35.5	5.33	1	A
Aroclor 1254	ND		ug/kg	35.5	3.89	1	A
Aroclor 1260	ND		ug/kg	35.5	6.57	1	A
Aroclor 1262	ND		ug/kg	35.5	4.51	1	A
Aroclor 1268	ND		ug/kg	35.5	3.68	1	A
PCBs, Total	ND		ug/kg	35.5	3.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-13
Client ID: B-6 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 15:39
Analyst: AWS
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:49
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.0	3.19	1	A
Aroclor 1221	ND		ug/kg	36.0	3.60	1	A
Aroclor 1232	ND		ug/kg	36.0	7.62	1	A
Aroclor 1242	ND		ug/kg	36.0	4.85	1	A
Aroclor 1248	ND		ug/kg	36.0	5.40	1	A
Aroclor 1254	ND		ug/kg	36.0	3.93	1	A
Aroclor 1260	ND		ug/kg	36.0	6.65	1	A
Aroclor 1262	ND		ug/kg	36.0	4.57	1	A
Aroclor 1268	ND		ug/kg	36.0	3.73	1	A
PCBs, Total	ND		ug/kg	36.0	3.19	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-14
Client ID: B-10 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 21:44
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:49
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	3.18	1	A
Aroclor 1221	ND		ug/kg	35.8	3.59	1	A
Aroclor 1232	ND		ug/kg	35.8	7.59	1	A
Aroclor 1242	ND		ug/kg	35.8	4.83	1	A
Aroclor 1248	ND		ug/kg	35.8	5.37	1	A
Aroclor 1254	13.9	J	ug/kg	35.8	3.92	1	B
Aroclor 1260	6.94	J	ug/kg	35.8	6.62	1	A
Aroclor 1262	ND		ug/kg	35.8	4.55	1	A
Aroclor 1268	ND		ug/kg	35.8	3.71	1	A
PCBs, Total	20.8	J	ug/kg	35.8	3.18	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-15
Client ID: B-10 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:25
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/13/19 19:39
Analyst: AWS
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 07:04
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.5	3.24	1	A
Aroclor 1221	ND		ug/kg	36.5	3.66	1	A
Aroclor 1232	ND		ug/kg	36.5	7.74	1	A
Aroclor 1242	ND		ug/kg	36.5	4.92	1	A
Aroclor 1248	ND		ug/kg	36.5	5.48	1	A
Aroclor 1254	23.0	J	ug/kg	36.5	4.00	1	A
Aroclor 1260	16.6	J	ug/kg	36.5	6.75	1	A
Aroclor 1262	ND		ug/kg	36.5	4.64	1	A
Aroclor 1268	12.3	J	ug/kg	36.5	3.78	1	A
PCBs, Total	51.9	J	ug/kg	36.5	3.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-16
Client ID: B-10 (11-12)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/13/19 19:51
Analyst: AWS
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 07:04
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.11	1	A
Aroclor 1221	ND		ug/kg	35.0	3.51	1	A
Aroclor 1232	ND		ug/kg	35.0	7.43	1	A
Aroclor 1242	ND		ug/kg	35.0	4.72	1	A
Aroclor 1248	ND		ug/kg	35.0	5.25	1	A
Aroclor 1254	ND		ug/kg	35.0	3.83	1	A
Aroclor 1260	ND		ug/kg	35.0	6.47	1	A
Aroclor 1262	ND		ug/kg	35.0	4.45	1	A
Aroclor 1268	ND		ug/kg	35.0	3.63	1	A
PCBs, Total	ND		ug/kg	35.0	3.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-17
Client ID: B-15 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/13/19 20:03
Analyst: AWS
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 07:04
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	3.18	1	A
Aroclor 1221	ND		ug/kg	35.8	3.59	1	A
Aroclor 1232	ND		ug/kg	35.8	7.59	1	A
Aroclor 1242	ND		ug/kg	35.8	4.83	1	A
Aroclor 1248	ND		ug/kg	35.8	5.37	1	A
Aroclor 1254	ND		ug/kg	35.8	3.92	1	A
Aroclor 1260	ND		ug/kg	35.8	6.62	1	A
Aroclor 1262	ND		ug/kg	35.8	4.55	1	A
Aroclor 1268	ND		ug/kg	35.8	3.71	1	A
PCBs, Total	ND		ug/kg	35.8	3.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-18
Client ID: B-15 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/13/19 20:14
Analyst: AWS
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 07:04
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	3.18	1	A
Aroclor 1221	ND		ug/kg	35.8	3.59	1	A
Aroclor 1232	ND		ug/kg	35.8	7.60	1	A
Aroclor 1242	ND		ug/kg	35.8	4.83	1	A
Aroclor 1248	ND		ug/kg	35.8	5.38	1	A
Aroclor 1254	ND		ug/kg	35.8	3.92	1	A
Aroclor 1260	7.37	J	ug/kg	35.8	6.62	1	A
Aroclor 1262	ND		ug/kg	35.8	4.55	1	A
Aroclor 1268	ND		ug/kg	35.8	3.71	1	A
PCBs, Total	7.37	J	ug/kg	35.8	3.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/14/19 14:40
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-08,10-14 Batch: WG1283136-1						
Aroclor 1016	ND		ug/kg	31.5	2.80	A
Aroclor 1221	ND		ug/kg	31.5	3.16	A
Aroclor 1232	ND		ug/kg	31.5	6.68	A
Aroclor 1242	ND		ug/kg	31.5	4.25	A
Aroclor 1248	ND		ug/kg	31.5	4.72	A
Aroclor 1254	ND		ug/kg	31.5	3.45	A
Aroclor 1260	ND		ug/kg	31.5	5.82	A
Aroclor 1262	ND		ug/kg	31.5	4.00	A
Aroclor 1268	ND		ug/kg	31.5	3.26	A
PCBs, Total	ND		ug/kg	31.5	2.80	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/13/19 13:25
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 09/12/19 07:04
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 15-18 Batch: WG1283156-1						
Aroclor 1016	ND		ug/kg	31.4	2.79	A
Aroclor 1221	ND		ug/kg	31.4	3.15	A
Aroclor 1232	ND		ug/kg	31.4	6.66	A
Aroclor 1242	ND		ug/kg	31.4	4.23	A
Aroclor 1248	ND		ug/kg	31.4	4.71	A
Aroclor 1254	ND		ug/kg	31.4	3.44	A
Aroclor 1260	ND		ug/kg	31.4	5.80	A
Aroclor 1262	ND		ug/kg	31.4	3.99	A
Aroclor 1268	ND		ug/kg	31.4	3.25	A
PCBs, Total	ND		ug/kg	31.4	2.79	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/15/19 12:22
Analyst: AWS

Extraction Method: EPA 3546
Extraction Date: 09/14/19 17:34
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 09 Batch: WG1284265-1						
Aroclor 1016	ND		ug/kg	32.2	2.86	A
Aroclor 1221	ND		ug/kg	32.2	3.23	A
Aroclor 1232	ND		ug/kg	32.2	6.83	A
Aroclor 1242	ND		ug/kg	32.2	4.34	A
Aroclor 1248	ND		ug/kg	32.2	4.84	A
Aroclor 1254	ND		ug/kg	32.2	3.53	A
Aroclor 1260	ND		ug/kg	32.2	5.96	A
Aroclor 1262	ND		ug/kg	32.2	4.09	A
Aroclor 1268	ND		ug/kg	32.2	3.34	A
PCBs, Total	ND		ug/kg	32.2	2.86	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	91		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08,10-14 Batch: WG1283136-2 WG1283136-3									
Aroclor 1016	69		72		40-140	4		50	A
Aroclor 1260	83		73		40-140	13		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		73		30-150	A
Decachlorobiphenyl	81		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		68		30-150	B
Decachlorobiphenyl	63		74		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 15-18 Batch: WG1283156-2 WG1283156-3									
Aroclor 1016	100		87		40-140	14		50	A
Aroclor 1260	75		71		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		73		30-150	A
Decachlorobiphenyl	65		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		67		30-150	B
Decachlorobiphenyl	74		76		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 09 Batch: WG1284265-2 WG1284265-3									
Aroclor 1016	83		76		40-140	9		50	A
Aroclor 1260	86		76		40-140	12		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		81		30-150	A
Decachlorobiphenyl	93		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		76		30-150	B
Decachlorobiphenyl	93		89		30-150	B

PESTICIDES

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-01
Client ID: B-2 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 09:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 20:13
Analyst: SL
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.62	0.317	1	A
Lindane	ND		ug/kg	0.674	0.301	1	A
Alpha-BHC	ND		ug/kg	0.674	0.191	1	A
Beta-BHC	ND		ug/kg	1.62	0.613	1	A
Heptachlor	ND		ug/kg	0.809	0.363	1	A
Aldrin	ND		ug/kg	1.62	0.570	1	A
Heptachlor epoxide	ND		ug/kg	3.03	0.910	1	A
Endrin	ND		ug/kg	0.674	0.276	1	A
Endrin aldehyde	ND		ug/kg	2.02	0.708	1	A
Endrin ketone	ND		ug/kg	1.62	0.416	1	A
Dieldrin	ND		ug/kg	1.01	0.505	1	A
4,4'-DDE	ND		ug/kg	1.62	0.374	1	A
4,4'-DDD	ND		ug/kg	1.62	0.577	1	A
4,4'-DDT	ND		ug/kg	3.03	1.30	1	A
Endosulfan I	ND		ug/kg	1.62	0.382	1	A
Endosulfan II	ND		ug/kg	1.62	0.540	1	A
Endosulfan sulfate	ND		ug/kg	0.674	0.321	1	A
Methoxychlor	ND		ug/kg	3.03	0.944	1	A
Toxaphene	ND		ug/kg	30.3	8.49	1	A
cis-Chlordane	ND		ug/kg	2.02	0.563	1	A
trans-Chlordane	ND		ug/kg	2.02	0.534	1	A
Chlordane	ND		ug/kg	13.1	5.36	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-01 Date Collected: 09/10/19 09:40

Client ID: B-2 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		30-150	B
Decachlorobiphenyl	102		30-150	B
2,4,5,6-Tetrachloro-m-xylene	110		30-150	A
Decachlorobiphenyl	100		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-02
Client ID: B-2 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 09:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 20:25
Analyst: SL
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.340	1	A
Lindane	ND		ug/kg	0.724	0.324	1	A
Alpha-BHC	ND		ug/kg	0.724	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.659	1	A
Heptachlor	ND		ug/kg	0.869	0.389	1	A
Aldrin	ND		ug/kg	1.74	0.612	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.977	1	A
Endrin	ND		ug/kg	0.724	0.297	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.760	1	A
Endrin ketone	ND		ug/kg	1.74	0.447	1	A
Dieldrin	ND		ug/kg	1.08	0.543	1	A
4,4'-DDE	ND		ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.620	1	A
4,4'-DDT	ND		ug/kg	3.26	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.410	1	A
Endosulfan II	ND		ug/kg	1.74	0.580	1	A
Endosulfan sulfate	ND		ug/kg	0.724	0.344	1	A
Methoxychlor	ND		ug/kg	3.26	1.01	1	A
Toxaphene	ND		ug/kg	32.6	9.12	1	A
cis-Chlordane	ND		ug/kg	2.17	0.605	1	A
trans-Chlordane	ND		ug/kg	2.17	0.573	1	A
Chlordane	ND		ug/kg	14.1	5.76	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-02 Date Collected: 09/10/19 09:45

Client ID: B-2 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	B
Decachlorobiphenyl	103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	107		30-150	A
Decachlorobiphenyl	100		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-03
Client ID: B-7 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 20:36
Analyst: SL
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.89	0.369	1	A
Lindane	ND		ug/kg	0.786	0.351	1	A
Alpha-BHC	ND		ug/kg	0.786	0.223	1	A
Beta-BHC	ND		ug/kg	1.89	0.715	1	A
Heptachlor	ND		ug/kg	0.943	0.423	1	A
Aldrin	ND		ug/kg	1.89	0.664	1	A
Heptachlor epoxide	ND		ug/kg	3.54	1.06	1	A
Endrin	ND		ug/kg	0.786	0.322	1	A
Endrin aldehyde	ND		ug/kg	2.36	0.825	1	A
Endrin ketone	ND		ug/kg	1.89	0.486	1	A
Dieldrin	ND	IP	ug/kg	1.18	0.590	1	B
4,4'-DDE	ND		ug/kg	1.89	0.436	1	A
4,4'-DDD	ND		ug/kg	1.89	0.673	1	A
4,4'-DDT	ND		ug/kg	3.54	1.52	1	A
Endosulfan I	ND		ug/kg	1.89	0.446	1	A
Endosulfan II	ND		ug/kg	1.89	0.630	1	A
Endosulfan sulfate	ND		ug/kg	0.786	0.374	1	A
Methoxychlor	ND		ug/kg	3.54	1.10	1	A
Toxaphene	ND		ug/kg	35.4	9.90	1	A
cis-Chlordane	ND		ug/kg	2.36	0.657	1	A
trans-Chlordane	ND		ug/kg	2.36	0.622	1	A
Chlordane	ND		ug/kg	15.3	6.25	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-03 Date Collected: 09/10/19 10:20

Client ID: B-7 (1-2) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	90		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	92		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-04
Client ID: B-16 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 21:33
Analyst: SL
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.63	0.318	1	A
Lindane	ND		ug/kg	0.678	0.303	1	A
Alpha-BHC	ND		ug/kg	0.678	0.192	1	A
Beta-BHC	ND		ug/kg	1.63	0.617	1	A
Heptachlor	ND		ug/kg	0.813	0.365	1	A
Aldrin	ND		ug/kg	1.63	0.573	1	A
Heptachlor epoxide	ND		ug/kg	3.05	0.915	1	A
Endrin	ND		ug/kg	0.678	0.278	1	A
Endrin aldehyde	ND		ug/kg	2.03	0.712	1	A
Endrin ketone	ND		ug/kg	1.63	0.419	1	A
Dieldrin	ND		ug/kg	1.02	0.508	1	A
4,4'-DDE	ND		ug/kg	1.63	0.376	1	A
4,4'-DDD	ND		ug/kg	1.63	0.580	1	A
4,4'-DDT	ND		ug/kg	3.05	1.31	1	A
Endosulfan I	ND		ug/kg	1.63	0.384	1	A
Endosulfan II	ND		ug/kg	1.63	0.544	1	A
Endosulfan sulfate	ND		ug/kg	0.678	0.323	1	A
Methoxychlor	ND		ug/kg	3.05	0.949	1	A
Toxaphene	ND		ug/kg	30.5	8.54	1	A
cis-Chlordane	ND		ug/kg	2.03	0.566	1	A
trans-Chlordane	ND		ug/kg	2.03	0.537	1	A
Chlordane	ND		ug/kg	13.2	5.39	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-04 Date Collected: 09/10/19 10:30

Client ID: B-16 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	86		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	90		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-05
Client ID: B-16 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:35
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/15/19 20:08
Analyst: AMC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/13/19 14:42
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.327	1	A
Lindane	ND		ug/kg	0.695	0.311	1	A
Alpha-BHC	ND		ug/kg	0.695	0.197	1	A
Beta-BHC	ND		ug/kg	1.67	0.633	1	A
Heptachlor	ND		ug/kg	0.834	0.374	1	A
Aldrin	ND		ug/kg	1.67	0.588	1	A
Heptachlor epoxide	ND		ug/kg	3.13	0.939	1	A
Endrin	ND		ug/kg	0.695	0.285	1	A
Endrin aldehyde	ND		ug/kg	2.09	0.730	1	A
Endrin ketone	ND		ug/kg	1.67	0.430	1	A
Dieldrin	ND		ug/kg	1.04	0.522	1	A
4,4'-DDE	ND		ug/kg	1.67	0.386	1	A
4,4'-DDD	ND		ug/kg	1.67	0.595	1	A
4,4'-DDT	ND		ug/kg	3.13	1.34	1	A
Endosulfan I	ND		ug/kg	1.67	0.394	1	A
Endosulfan II	ND		ug/kg	1.67	0.558	1	A
Endosulfan sulfate	ND		ug/kg	0.695	0.331	1	A
Methoxychlor	ND		ug/kg	3.13	0.973	1	A
Toxaphene	ND		ug/kg	31.3	8.76	1	A
cis-Chlordane	ND		ug/kg	2.09	0.581	1	A
trans-Chlordane	ND		ug/kg	2.09	0.551	1	A
Chlordane	ND		ug/kg	13.6	5.53	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-05 Date Collected: 09/10/19 10:35

Client ID: B-16 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	57		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	40		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-06
Client ID: B-1 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 21:44
Analyst: SL
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.323	1	A
Lindane	ND		ug/kg	0.687	0.307	1	A
Alpha-BHC	ND		ug/kg	0.687	0.195	1	A
Beta-BHC	ND		ug/kg	1.65	0.625	1	A
Heptachlor	ND		ug/kg	0.825	0.370	1	A
Aldrin	ND		ug/kg	1.65	0.581	1	A
Heptachlor epoxide	ND		ug/kg	3.09	0.928	1	A
Endrin	ND		ug/kg	0.687	0.282	1	A
Endrin aldehyde	ND		ug/kg	2.06	0.722	1	A
Endrin ketone	ND		ug/kg	1.65	0.425	1	A
Dieldrin	ND		ug/kg	1.03	0.515	1	A
4,4'-DDE	ND		ug/kg	1.65	0.381	1	A
4,4'-DDD	ND		ug/kg	1.65	0.588	1	A
4,4'-DDT	ND		ug/kg	3.09	1.33	1	A
Endosulfan I	ND		ug/kg	1.65	0.390	1	A
Endosulfan II	ND		ug/kg	1.65	0.551	1	A
Endosulfan sulfate	ND		ug/kg	0.687	0.327	1	A
Methoxychlor	ND		ug/kg	3.09	0.962	1	A
Toxaphene	ND		ug/kg	30.9	8.66	1	A
cis-Chlordane	ND		ug/kg	2.06	0.574	1	A
trans-Chlordane	ND		ug/kg	2.06	0.544	1	A
Chlordane	ND		ug/kg	13.4	5.46	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-06 Date Collected: 09/10/19 10:40

Client ID: B-1 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	112		30-150	B
Decachlorobiphenyl	103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	103		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-07
Client ID: B-1 (5-6)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 21:55
Analyst: SL
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.62	0.317	1	A
Lindane	ND		ug/kg	0.674	0.301	1	A
Alpha-BHC	ND		ug/kg	0.674	0.191	1	A
Beta-BHC	ND		ug/kg	1.62	0.613	1	A
Heptachlor	ND		ug/kg	0.809	0.362	1	A
Aldrin	ND		ug/kg	1.62	0.569	1	A
Heptachlor epoxide	ND		ug/kg	3.03	0.910	1	A
Endrin	ND		ug/kg	0.674	0.276	1	A
Endrin aldehyde	ND		ug/kg	2.02	0.708	1	A
Endrin ketone	ND		ug/kg	1.62	0.416	1	A
Dieldrin	ND		ug/kg	1.01	0.505	1	A
4,4'-DDE	ND		ug/kg	1.62	0.374	1	A
4,4'-DDD	ND		ug/kg	1.62	0.577	1	A
4,4'-DDT	ND		ug/kg	3.03	1.30	1	A
Endosulfan I	ND		ug/kg	1.62	0.382	1	A
Endosulfan II	ND		ug/kg	1.62	0.540	1	A
Endosulfan sulfate	ND		ug/kg	0.674	0.321	1	A
Methoxychlor	ND		ug/kg	3.03	0.943	1	A
Toxaphene	ND		ug/kg	30.3	8.49	1	A
cis-Chlordane	ND		ug/kg	2.02	0.563	1	A
trans-Chlordane	ND		ug/kg	2.02	0.534	1	A
Chlordane	ND		ug/kg	13.1	5.36	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-07 Date Collected: 09/10/19 11:10

Client ID: B-1 (5-6) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	87		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	85		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-08
Client ID: B-1 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 22:07
Analyst: SL
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.61	0.316	1	A
Lindane	ND		ug/kg	0.672	0.300	1	A
Alpha-BHC	ND		ug/kg	0.672	0.191	1	A
Beta-BHC	ND		ug/kg	1.61	0.611	1	A
Heptachlor	ND		ug/kg	0.806	0.361	1	A
Aldrin	ND		ug/kg	1.61	0.567	1	A
Heptachlor epoxide	ND		ug/kg	3.02	0.906	1	A
Endrin	ND		ug/kg	0.672	0.275	1	A
Endrin aldehyde	ND		ug/kg	2.01	0.705	1	A
Endrin ketone	ND		ug/kg	1.61	0.415	1	A
Dieldrin	ND		ug/kg	1.01	0.504	1	A
4,4'-DDE	ND		ug/kg	1.61	0.373	1	A
4,4'-DDD	ND		ug/kg	1.61	0.575	1	A
4,4'-DDT	ND		ug/kg	3.02	1.30	1	A
Endosulfan I	ND		ug/kg	1.61	0.381	1	A
Endosulfan II	ND		ug/kg	1.61	0.538	1	A
Endosulfan sulfate	ND		ug/kg	0.672	0.320	1	A
Methoxychlor	ND		ug/kg	3.02	0.940	1	A
Toxaphene	ND		ug/kg	30.2	8.46	1	A
cis-Chlordane	ND		ug/kg	2.01	0.561	1	A
trans-Chlordane	ND		ug/kg	2.01	0.532	1	A
Chlordane	ND		ug/kg	13.1	5.34	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-08 Date Collected: 09/10/19 11:20

Client ID: B-1 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	96		30-150	B
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	97		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-09
Client ID: B-11 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 22:29
Analyst: AMC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.327	1	A
Lindane	ND		ug/kg	0.696	0.311	1	A
Alpha-BHC	ND		ug/kg	0.696	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.634	1	A
Heptachlor	ND		ug/kg	0.836	0.375	1	A
Aldrin	ND		ug/kg	1.67	0.588	1	A
Heptachlor epoxide	ND		ug/kg	3.13	0.940	1	A
Endrin	ND		ug/kg	0.696	0.286	1	A
Endrin aldehyde	ND		ug/kg	2.09	0.731	1	A
Endrin ketone	ND		ug/kg	1.67	0.430	1	A
Dieldrin	ND		ug/kg	1.04	0.522	1	A
4,4'-DDE	ND		ug/kg	1.67	0.386	1	A
4,4'-DDD	ND		ug/kg	1.67	0.596	1	A
4,4'-DDT	ND		ug/kg	3.13	1.34	1	A
Endosulfan I	ND		ug/kg	1.67	0.395	1	A
Endosulfan II	ND		ug/kg	1.67	0.558	1	A
Endosulfan sulfate	ND		ug/kg	0.696	0.331	1	A
Methoxychlor	ND		ug/kg	3.13	0.975	1	A
Toxaphene	ND		ug/kg	31.3	8.77	1	A
cis-Chlordane	ND		ug/kg	2.09	0.582	1	A
trans-Chlordane	ND		ug/kg	2.09	0.552	1	A
Chlordane	ND		ug/kg	13.6	5.54	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-09 Date Collected: 09/10/19 11:55

Client ID: B-11 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	113		30-150	B
Decachlorobiphenyl	100		30-150	B
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	100		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-10
Client ID: B-11 (0-1)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 22:18
Analyst: SL
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.88	0.368	1	A
Lindane	ND		ug/kg	0.784	0.350	1	A
Alpha-BHC	ND		ug/kg	0.784	0.223	1	A
Beta-BHC	ND		ug/kg	1.88	0.713	1	A
Heptachlor	ND		ug/kg	0.941	0.422	1	A
Aldrin	ND		ug/kg	1.88	0.662	1	A
Heptachlor epoxide	ND		ug/kg	3.53	1.06	1	A
Endrin	ND		ug/kg	0.784	0.321	1	A
Endrin aldehyde	ND		ug/kg	2.35	0.823	1	A
Endrin ketone	ND		ug/kg	1.88	0.484	1	A
Dieldrin	ND		ug/kg	1.18	0.588	1	A
4,4'-DDE	ND		ug/kg	1.88	0.435	1	A
4,4'-DDD	ND		ug/kg	1.88	0.671	1	A
4,4'-DDT	ND		ug/kg	3.53	1.51	1	A
Endosulfan I	ND		ug/kg	1.88	0.444	1	A
Endosulfan II	ND		ug/kg	1.88	0.629	1	A
Endosulfan sulfate	ND		ug/kg	0.784	0.373	1	A
Methoxychlor	ND		ug/kg	3.53	1.10	1	A
Toxaphene	ND		ug/kg	35.3	9.88	1	A
cis-Chlordane	ND		ug/kg	2.35	0.655	1	A
trans-Chlordane	ND		ug/kg	2.35	0.621	1	A
Chlordane	ND		ug/kg	15.3	6.23	1	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-10
Client ID: B-11 (0-1)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		30-150	B
Decachlorobiphenyl	110		30-150	B
2,4,5,6-Tetrachloro-m-xylene	110		30-150	A
Decachlorobiphenyl	104		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-11
Client ID: B-6 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 22:41
Analyst: AMC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.332	1	A
Lindane	ND		ug/kg	0.707	0.316	1	A
Alpha-BHC	ND		ug/kg	0.707	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.644	1	A
Heptachlor	ND		ug/kg	0.849	0.381	1	A
Aldrin	ND		ug/kg	1.70	0.598	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.955	1	A
Endrin	ND		ug/kg	0.707	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.743	1	A
Endrin ketone	ND		ug/kg	1.70	0.437	1	A
Dieldrin	ND		ug/kg	1.06	0.530	1	A
4,4'-DDE	ND		ug/kg	1.70	0.393	1	A
4,4'-DDD	ND		ug/kg	1.70	0.606	1	A
4,4'-DDT	ND		ug/kg	3.18	1.36	1	A
Endosulfan I	ND		ug/kg	1.70	0.401	1	A
Endosulfan II	ND		ug/kg	1.70	0.567	1	A
Endosulfan sulfate	ND		ug/kg	0.707	0.337	1	A
Methoxychlor	ND		ug/kg	3.18	0.990	1	A
Toxaphene	ND		ug/kg	31.8	8.91	1	A
cis-Chlordane	ND		ug/kg	2.12	0.591	1	A
trans-Chlordane	ND		ug/kg	2.12	0.560	1	A
Chlordane	ND		ug/kg	13.8	5.62	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-11 Date Collected: 09/10/19 12:55

Client ID: B-6 (10-11) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	118		30-150	B
Decachlorobiphenyl	105		30-150	B
2,4,5,6-Tetrachloro-m-xylene	112		30-150	A
Decachlorobiphenyl	111		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-12
Client ID: B-6 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 22:52
Analyst: AMC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.331	1	A
Lindane	ND		ug/kg	0.704	0.315	1	A
Alpha-BHC	ND		ug/kg	0.704	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.641	1	A
Heptachlor	ND		ug/kg	0.845	0.379	1	A
Aldrin	ND		ug/kg	1.69	0.595	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.951	1	A
Endrin	ND		ug/kg	0.704	0.289	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.739	1	A
Endrin ketone	ND		ug/kg	1.69	0.435	1	A
Dieldrin	ND		ug/kg	1.06	0.528	1	A
4,4'-DDE	ND		ug/kg	1.69	0.391	1	A
4,4'-DDD	ND		ug/kg	1.69	0.603	1	A
4,4'-DDT	ND		ug/kg	3.17	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.399	1	A
Endosulfan II	ND		ug/kg	1.69	0.565	1	A
Endosulfan sulfate	ND		ug/kg	0.704	0.335	1	A
Methoxychlor	ND		ug/kg	3.17	0.986	1	A
Toxaphene	ND		ug/kg	31.7	8.87	1	A
cis-Chlordane	ND		ug/kg	2.11	0.589	1	A
trans-Chlordane	ND		ug/kg	2.11	0.558	1	A
Chlordane	ND		ug/kg	13.7	5.60	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-12 Date Collected: 09/10/19 12:50

Client ID: B-6 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		30-150	B
Decachlorobiphenyl	97		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	106		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-13
Client ID: B-6 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 23:03
Analyst: AMC
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.335	1	A
Lindane	ND		ug/kg	0.713	0.319	1	A
Alpha-BHC	ND		ug/kg	0.713	0.202	1	A
Beta-BHC	ND		ug/kg	1.71	0.649	1	A
Heptachlor	ND		ug/kg	0.856	0.384	1	A
Aldrin	ND		ug/kg	1.71	0.602	1	A
Heptachlor epoxide	ND		ug/kg	3.21	0.962	1	A
Endrin	ND		ug/kg	0.713	0.292	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.749	1	A
Endrin ketone	ND		ug/kg	1.71	0.441	1	A
Dieldrin	ND		ug/kg	1.07	0.535	1	A
4,4'-DDE	ND		ug/kg	1.71	0.396	1	A
4,4'-DDD	ND		ug/kg	1.71	0.610	1	A
4,4'-DDT	ND		ug/kg	3.21	1.38	1	A
Endosulfan I	ND		ug/kg	1.71	0.404	1	A
Endosulfan II	ND		ug/kg	1.71	0.572	1	A
Endosulfan sulfate	ND		ug/kg	0.713	0.339	1	A
Methoxychlor	ND		ug/kg	3.21	0.998	1	A
Toxaphene	ND		ug/kg	32.1	8.98	1	A
cis-Chlordane	ND		ug/kg	2.14	0.596	1	A
trans-Chlordane	ND		ug/kg	2.14	0.565	1	A
Chlordane	ND		ug/kg	13.9	5.67	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-13 Date Collected: 09/10/19 12:40

Client ID: B-6 (1-2) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		30-150	B
Decachlorobiphenyl	98		30-150	B
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	97		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-14
Client ID: B-10 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/17/19 00:00
Analyst: AMC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.339	1	A
Lindane	ND		ug/kg	0.720	0.322	1	A
Alpha-BHC	ND		ug/kg	0.720	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.656	1	A
Heptachlor	ND		ug/kg	0.864	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.609	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.972	1	B
Endrin	ND		ug/kg	0.720	0.295	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.756	1	A
Endrin ketone	ND		ug/kg	1.73	0.445	1	A
Dieldrin	1.68	IP	ug/kg	1.08	0.540	1	B
4,4'-DDE	3.92		ug/kg	1.73	0.400	1	A
4,4'-DDD	2.86		ug/kg	1.73	0.617	1	B
4,4'-DDT	9.10		ug/kg	3.24	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.408	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.720	0.343	1	A
Methoxychlor	2.11	JIP	ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.08	1	A
cis-Chlordane	3.23	IP	ug/kg	2.16	0.602	1	B
trans-Chlordane	3.46	IP	ug/kg	2.16	0.570	1	A
Chlordane	39.2	P	ug/kg	14.0	5.73	1	B

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-14 Date Collected: 09/10/19 13:20

Client ID: B-10 (2-3) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	63		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	54		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-15
Client ID: B-10 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:25
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 23:48
Analyst: AMC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:42
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.718	0.321	1	A
Alpha-BHC	ND		ug/kg	0.718	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.653	1	A
Heptachlor	ND		ug/kg	0.861	0.386	1	A
Aldrin	ND		ug/kg	1.72	0.606	1	A
Heptachlor epoxide	ND		ug/kg	3.23	0.969	1	A
Endrin	ND		ug/kg	0.718	0.294	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.754	1	A
Endrin ketone	ND		ug/kg	1.72	0.444	1	A
Dieldrin	3.86	IP	ug/kg	1.08	0.538	1	B
4,4'-DDE	9.62		ug/kg	1.72	0.398	1	A
4,4'-DDD	7.50		ug/kg	1.72	0.614	1	A
4,4'-DDT	30.7		ug/kg	3.23	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.407	1	A
Endosulfan II	ND		ug/kg	1.72	0.576	1	A
Endosulfan sulfate	ND		ug/kg	0.718	0.342	1	A
Methoxychlor	4.65	IP	ug/kg	3.23	1.00	1	A
Toxaphene	ND		ug/kg	32.3	9.04	1	A
cis-Chlordane	5.37		ug/kg	2.15	0.600	1	A
trans-Chlordane	3.94	IP	ug/kg	2.15	0.568	1	A
Chlordane	ND		ug/kg	14.0	5.71	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-15 Date Collected: 09/10/19 13:25

Client ID: B-10 (7-8) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	86		30-150	B
2,4,5,6-Tetrachloro-m-xylene	135		30-150	A
Decachlorobiphenyl	76		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-16
Client ID: B-10 (11-12)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 23:15
Analyst: AMC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:42
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.323	1	A
Lindane	ND		ug/kg	0.687	0.307	1	A
Alpha-BHC	ND		ug/kg	0.687	0.195	1	A
Beta-BHC	ND		ug/kg	1.65	0.625	1	A
Heptachlor	ND		ug/kg	0.824	0.370	1	A
Aldrin	ND		ug/kg	1.65	0.580	1	A
Heptachlor epoxide	ND		ug/kg	3.09	0.927	1	A
Endrin	ND		ug/kg	0.687	0.282	1	A
Endrin aldehyde	ND		ug/kg	2.06	0.721	1	A
Endrin ketone	ND		ug/kg	1.65	0.424	1	A
Dieldrin	ND		ug/kg	1.03	0.515	1	A
4,4'-DDE	ND		ug/kg	1.65	0.381	1	A
4,4'-DDD	ND		ug/kg	1.65	0.588	1	A
4,4'-DDT	ND		ug/kg	3.09	1.32	1	A
Endosulfan I	ND		ug/kg	1.65	0.389	1	A
Endosulfan II	ND		ug/kg	1.65	0.551	1	A
Endosulfan sulfate	ND		ug/kg	0.687	0.327	1	A
Methoxychlor	ND		ug/kg	3.09	0.962	1	A
Toxaphene	ND		ug/kg	30.9	8.65	1	A
cis-Chlordane	ND		ug/kg	2.06	0.574	1	A
trans-Chlordane	ND		ug/kg	2.06	0.544	1	A
Chlordane	ND		ug/kg	13.4	5.46	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-16 Date Collected: 09/10/19 13:30

Client ID: B-10 (11-12) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	75		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-17
Client ID: B-15 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 23:37
Analyst: AMC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:42
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.332	1	A
Lindane	ND		ug/kg	0.705	0.315	1	A
Alpha-BHC	ND		ug/kg	0.705	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.642	1	A
Heptachlor	ND		ug/kg	0.846	0.380	1	A
Aldrin	ND		ug/kg	1.69	0.596	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.952	1	A
Endrin	ND		ug/kg	0.705	0.289	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.741	1	A
Endrin ketone	ND		ug/kg	1.69	0.436	1	A
Dieldrin	1.13	IP	ug/kg	1.06	0.529	1	B
4,4'-DDE	5.24		ug/kg	1.69	0.392	1	A
4,4'-DDD	1.86		ug/kg	1.69	0.604	1	A
4,4'-DDT	5.50		ug/kg	3.17	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.400	1	A
Endosulfan II	ND		ug/kg	1.69	0.566	1	A
Endosulfan sulfate	ND		ug/kg	0.705	0.336	1	A
Methoxychlor	0.994	JIP	ug/kg	3.17	0.988	1	A
Toxaphene	ND		ug/kg	31.7	8.89	1	A
cis-Chlordane	22.8	IP	ug/kg	2.12	0.590	1	B
trans-Chlordane	25.7	IP	ug/kg	2.12	0.559	1	A
Chlordane	249		ug/kg	13.8	5.61	1	A

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-17 Date Collected: 09/10/19 13:40

Client ID: B-15 (3-4) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	53		30-150	B
2,4,5,6-Tetrachloro-m-xylene	129		30-150	A
Decachlorobiphenyl	74		30-150	A

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-18
Client ID: B-15 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/16/19 23:26
Analyst: AMC
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:42
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.717	0.320	1	A
Alpha-BHC	ND		ug/kg	0.717	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.652	1	A
Heptachlor	ND		ug/kg	0.860	0.386	1	A
Aldrin	ND		ug/kg	1.72	0.606	1	A
Heptachlor epoxide	ND		ug/kg	3.23	0.968	1	A
Endrin	ND		ug/kg	0.717	0.294	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.753	1	A
Endrin ketone	ND		ug/kg	1.72	0.443	1	A
Dieldrin	12.2		ug/kg	1.08	0.538	1	A
4,4'-DDE	16.2		ug/kg	1.72	0.398	1	B
4,4'-DDD	10.2		ug/kg	1.72	0.614	1	B
4,4'-DDT	32.7		ug/kg	3.23	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.406	1	A
Endosulfan II	ND		ug/kg	1.72	0.575	1	A
Endosulfan sulfate	ND		ug/kg	0.717	0.341	1	A
Methoxychlor	3.75		ug/kg	3.23	1.00	1	A
Toxaphene	ND		ug/kg	32.3	9.03	1	A
cis-Chlordane	7.65		ug/kg	2.15	0.599	1	A
trans-Chlordane	5.15	IP	ug/kg	2.15	0.568	1	A
Chlordane	50.0		ug/kg	14.0	5.70	1	B

Project Name: Not Specified **Lab Number:** L1941309

Project Number: 10567 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-18 Date Collected: 09/10/19 13:50

Client ID: B-15 (6-7) Date Received: 09/10/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	92		30-150	B
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	105		30-150	A

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/19 15:38
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04,06-14 Batch: WG1283099-1						
Delta-BHC	ND		ug/kg	1.54	0.301	A
Lindane	ND		ug/kg	0.641	0.286	A
Alpha-BHC	ND		ug/kg	0.641	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.583	A
Heptachlor	ND		ug/kg	0.769	0.345	A
Aldrin	ND		ug/kg	1.54	0.541	A
Heptachlor epoxide	ND		ug/kg	2.88	0.865	A
Endrin	ND		ug/kg	0.641	0.263	A
Endrin aldehyde	ND		ug/kg	1.92	0.673	A
Endrin ketone	ND		ug/kg	1.54	0.396	A
Dieldrin	ND		ug/kg	0.961	0.480	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.548	A
4,4'-DDT	ND		ug/kg	2.88	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.363	A
Endosulfan II	ND		ug/kg	1.54	0.514	A
Endosulfan sulfate	ND		ug/kg	0.641	0.305	A
Methoxychlor	ND		ug/kg	2.88	0.897	A
Toxaphene	ND		ug/kg	28.8	8.07	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.507	A
Chlordane	ND		ug/kg	12.5	5.09	A

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/19 15:38
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/12/19 04:18
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04,06-14 Batch: WG1283099-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	99		30-150	A

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/19 20:48
Analyst: SL

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:42
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 15-18 Batch: WG1283133-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.643	0.287	A
Alpha-BHC	ND		ug/kg	0.643	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.585	A
Heptachlor	ND		ug/kg	0.771	0.346	A
Aldrin	ND		ug/kg	1.54	0.543	A
Heptachlor epoxide	ND		ug/kg	2.89	0.868	A
Endrin	ND		ug/kg	0.643	0.263	A
Endrin aldehyde	ND		ug/kg	1.93	0.675	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.964	0.482	A
4,4'-DDE	ND		ug/kg	1.54	0.357	A
4,4'-DDD	ND		ug/kg	1.54	0.550	A
4,4'-DDT	ND		ug/kg	2.89	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.364	A
Endosulfan II	ND		ug/kg	1.54	0.515	A
Endosulfan sulfate	ND		ug/kg	0.643	0.306	A
Methoxychlor	ND		ug/kg	2.89	0.900	A
Toxaphene	ND		ug/kg	28.9	8.10	A
cis-Chlordane	ND		ug/kg	1.93	0.537	A
trans-Chlordane	ND		ug/kg	1.93	0.509	A
Chlordane	ND		ug/kg	12.5	5.11	A

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/19 20:48
Analyst: SL

Extraction Method: EPA 3546
Extraction Date: 09/12/19 05:42
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 15-18 Batch: WG1283133-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	91		30-150	B
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	88		30-150	A

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/15/19 17:11
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/13/19 14:04
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05 Batch: WG1283899-1						
Delta-BHC	ND		ug/kg	1.59	0.312	A
Lindane	ND		ug/kg	0.664	0.297	A
Alpha-BHC	ND		ug/kg	0.664	0.189	A
Beta-BHC	ND		ug/kg	1.59	0.605	A
Heptachlor	ND		ug/kg	0.797	0.357	A
Aldrin	ND		ug/kg	1.59	0.561	A
Heptachlor epoxide	ND		ug/kg	2.99	0.897	A
Endrin	ND		ug/kg	0.664	0.272	A
Endrin aldehyde	ND		ug/kg	1.99	0.698	A
Endrin ketone	ND		ug/kg	1.59	0.411	A
Dieldrin	ND		ug/kg	0.997	0.498	A
4,4'-DDE	ND		ug/kg	1.59	0.369	A
4,4'-DDD	ND		ug/kg	1.59	0.569	A
4,4'-DDT	ND		ug/kg	2.99	1.28	A
Endosulfan I	ND		ug/kg	1.59	0.377	A
Endosulfan II	ND		ug/kg	1.59	0.533	A
Endosulfan sulfate	ND		ug/kg	0.664	0.316	A
Methoxychlor	ND		ug/kg	2.99	0.930	A
Toxaphene	ND		ug/kg	29.9	8.37	A
cis-Chlordane	ND		ug/kg	1.99	0.555	A
trans-Chlordane	ND		ug/kg	1.99	0.526	A
Chlordane	ND		ug/kg	13.0	5.28	A

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/15/19 17:11
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/13/19 14:04
Cleanup Method: EPA 3620B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05 Batch: WG1283899-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	82		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04,06-14 Batch: WG1283099-2 WG1283099-3									
Delta-BHC	116		111		30-150	4		30	A
Lindane	113		108		30-150	5		30	A
Alpha-BHC	120		115		30-150	4		30	A
Beta-BHC	108		102		30-150	6		30	A
Heptachlor	118		111		30-150	6		30	A
Aldrin	111		104		30-150	7		30	A
Heptachlor epoxide	114		109		30-150	4		30	A
Endrin	124		117		30-150	6		30	A
Endrin aldehyde	97		94		30-150	3		30	A
Endrin ketone	122		117		30-150	4		30	A
Dieldrin	124		118		30-150	5		30	A
4,4'-DDE	117		112		30-150	4		30	A
4,4'-DDD	123		118		30-150	4		30	A
4,4'-DDT	127		122		30-150	4		30	A
Endosulfan I	108		103		30-150	5		30	A
Endosulfan II	119		114		30-150	4		30	A
Endosulfan sulfate	120		114		30-150	5		30	A
Methoxychlor	111		110		30-150	1		30	A
cis-Chlordane	94		90		30-150	4		30	A
trans-Chlordane	93		93		30-150	0		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04,06-14 Batch: WG1283099-2 WG1283099-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		114		30-150	B
Decachlorobiphenyl	109		113		30-150	B
2,4,5,6-Tetrachloro-m-xylene	112		108		30-150	A
Decachlorobiphenyl	99		108		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 15-18 Batch: WG1283133-2 WG1283133-3									
Delta-BHC	122		109		30-150	11		30	A
Lindane	116		103		30-150	12		30	A
Alpha-BHC	124		113		30-150	9		30	A
Beta-BHC	110		101		30-150	9		30	A
Heptachlor	121		111		30-150	9		30	A
Aldrin	108		96		30-150	12		30	A
Heptachlor epoxide	111		98		30-150	12		30	A
Endrin	125		112		30-150	11		30	A
Endrin aldehyde	93		85		30-150	9		30	A
Endrin ketone	122		114		30-150	7		30	A
Dieldrin	125		112		30-150	11		30	A
4,4'-DDE	116		102		30-150	13		30	A
4,4'-DDD	125		112		30-150	11		30	A
4,4'-DDT	131		117		30-150	11		30	A
Endosulfan I	107		96		30-150	11		30	A
Endosulfan II	121		109		30-150	10		30	A
Endosulfan sulfate	120		110		30-150	9		30	A
Methoxychlor	117		111		30-150	5		30	A
cis-Chlordane	95		82		30-150	15		30	A
trans-Chlordane	95		80		30-150	17		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 15-18 Batch: WG1283133-2 WG1283133-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		94		30-150	B
Decachlorobiphenyl	93		84		30-150	B
2,4,5,6-Tetrachloro-m-xylene	96		89		30-150	A
Decachlorobiphenyl	99		90		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05 Batch: WG1283899-2 WG1283899-3									
Delta-BHC	81		93		30-150	14		30	A
Lindane	84		98		30-150	15		30	A
Alpha-BHC	91		106		30-150	15		30	A
Beta-BHC	77		89		30-150	14		30	A
Heptachlor	90		103		30-150	13		30	A
Aldrin	84		96		30-150	13		30	A
Heptachlor epoxide	87		97		30-150	11		30	A
Endrin	90		102		30-150	13		30	A
Endrin aldehyde	55		63		30-150	14		30	A
Endrin ketone	72		83		30-150	14		30	A
Dieldrin	91		102		30-150	11		30	A
4,4'-DDE	86		97		30-150	12		30	A
4,4'-DDD	88		98		30-150	11		30	A
4,4'-DDT	94		105		30-150	11		30	A
Endosulfan I	81		91		30-150	12		30	A
Endosulfan II	79		91		30-150	14		30	A
Endosulfan sulfate	69		77		30-150	11		30	A
Methoxychlor	78		87		30-150	11		30	A
cis-Chlordane	70		78		30-150	11		30	A
trans-Chlordane	82		90		30-150	9		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05 Batch: WG1283899-2 WG1283899-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		90		30-150	B
Decachlorobiphenyl	69		76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		88		30-150	A
Decachlorobiphenyl	73		84		30-150	A

METALS

Project Name: Not Specified
Lab Number: L1941309
Project Number: 10567
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-01
Client ID: B-2 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 09:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	11500		mg/kg	8.15	2.20	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.08	0.310	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Arsenic, Total	1.25		mg/kg	0.815	0.170	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Barium, Total	104		mg/kg	0.815	0.142	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Beryllium, Total	0.269	J	mg/kg	0.408	0.027	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.815	0.080	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Calcium, Total	638		mg/kg	8.15	2.85	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Chromium, Total	20.9		mg/kg	0.815	0.078	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Cobalt, Total	7.86		mg/kg	1.63	0.135	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Copper, Total	19.3		mg/kg	0.815	0.210	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Iron, Total	16900		mg/kg	4.08	0.736	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Lead, Total	3.53	J	mg/kg	4.08	0.218	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Magnesium, Total	3150		mg/kg	8.15	1.26	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Manganese, Total	381		mg/kg	0.815	0.130	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.067	0.043	1	09/16/19 09:30	09/16/19 19:47	EPA 7471B	1,7471B	GD
Nickel, Total	20.1		mg/kg	2.04	0.197	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Potassium, Total	3300		mg/kg	204	11.7	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Selenium, Total	0.432	J	mg/kg	1.63	0.210	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.815	0.231	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Sodium, Total	144	J	mg/kg	163	2.57	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.63	0.257	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Vanadium, Total	27.8		mg/kg	0.815	0.166	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB
Zinc, Total	46.9		mg/kg	4.08	0.239	2	09/13/19 20:30	09/16/19 14:33	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Lab Number: L1941309
Project Number: 10567
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-02
Client ID: B-2 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 09:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	18400		mg/kg	8.85	2.39	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.42	0.336	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Arsenic, Total	0.858	J	mg/kg	0.885	0.184	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Barium, Total	199		mg/kg	0.885	0.154	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Beryllium, Total	0.239	J	mg/kg	0.442	0.029	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.885	0.087	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Calcium, Total	1710		mg/kg	8.85	3.10	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Chromium, Total	41.5		mg/kg	0.885	0.085	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Cobalt, Total	18.6		mg/kg	1.77	0.147	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Copper, Total	242		mg/kg	0.885	0.228	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Iron, Total	29000		mg/kg	4.42	0.799	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Lead, Total	4.50		mg/kg	4.42	0.237	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Magnesium, Total	7820		mg/kg	8.85	1.36	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Manganese, Total	558		mg/kg	0.885	0.141	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.071	0.046	1	09/16/19 09:30	09/16/19 19:54	EPA 7471B	1,7471B	GD
Nickel, Total	111		mg/kg	2.21	0.214	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Potassium, Total	11500		mg/kg	221	12.7	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Selenium, Total	0.239	J	mg/kg	1.77	0.228	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.885	0.250	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Sodium, Total	258		mg/kg	177	2.79	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.77	0.279	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Vanadium, Total	49.4		mg/kg	0.885	0.180	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB
Zinc, Total	79.3		mg/kg	4.42	0.259	2	09/13/19 20:30	09/16/19 15:16	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Lab Number: L1941309
Project Number: 10567
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-03
Client ID: B-7 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17900		mg/kg	9.24	2.50	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Antimony, Total	0.379	J	mg/kg	4.62	0.351	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Arsenic, Total	3.06		mg/kg	0.924	0.192	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Barium, Total	174		mg/kg	0.924	0.161	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Beryllium, Total	0.065	J	mg/kg	0.462	0.031	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.924	0.091	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Calcium, Total	796		mg/kg	9.24	3.24	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Chromium, Total	164		mg/kg	0.924	0.089	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Cobalt, Total	21.2		mg/kg	1.85	0.153	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Copper, Total	230		mg/kg	0.924	0.238	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Iron, Total	30500		mg/kg	4.62	0.835	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Lead, Total	122		mg/kg	4.62	0.248	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Magnesium, Total	6530		mg/kg	9.24	1.42	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Manganese, Total	309		mg/kg	0.924	0.147	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.077	0.050	1	09/16/19 09:30	09/16/19 19:56	EPA 7471B	1,7471B	GD
Nickel, Total	320		mg/kg	2.31	0.224	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Potassium, Total	6250		mg/kg	231	13.3	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Selenium, Total	0.508	J	mg/kg	1.85	0.238	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.924	0.262	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Sodium, Total	2610		mg/kg	185	2.91	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.85	0.291	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Vanadium, Total	54.2		mg/kg	0.924	0.188	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB
Zinc, Total	62.9		mg/kg	4.62	0.271	2	09/13/19 20:30	09/16/19 15:20	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Lab Number: L1941309
Project Number: 10567
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-04
Client ID: B-16 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	17600		mg/kg	8.09	2.18	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.05	0.308	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Arsenic, Total	1.34		mg/kg	0.809	0.168	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Barium, Total	152		mg/kg	0.809	0.141	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Beryllium, Total	0.348	J	mg/kg	0.405	0.027	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.809	0.079	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Calcium, Total	1930		mg/kg	8.09	2.83	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Chromium, Total	180		mg/kg	0.809	0.078	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Cobalt, Total	14.7		mg/kg	1.62	0.134	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Copper, Total	22.2		mg/kg	0.809	0.209	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Iron, Total	26300		mg/kg	4.05	0.731	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Lead, Total	24.1		mg/kg	4.05	0.217	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Magnesium, Total	8370		mg/kg	8.09	1.25	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Manganese, Total	448		mg/kg	0.809	0.129	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Mercury, Total	2.54		mg/kg	0.068	0.044	1	09/16/19 09:30	09/16/19 20:02	EPA 7471B	1,7471B	GD
Nickel, Total	357		mg/kg	2.02	0.196	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Potassium, Total	8040		mg/kg	202	11.6	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Selenium, Total	0.235	J	mg/kg	1.62	0.209	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Silver, Total	0.275	J	mg/kg	0.809	0.229	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Sodium, Total	645		mg/kg	162	2.55	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.62	0.255	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Vanadium, Total	45.5		mg/kg	0.809	0.164	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB
Zinc, Total	63.4		mg/kg	4.05	0.237	2	09/13/19 20:30	09/16/19 15:25	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Lab Number: L1941309
Project Number: 10567
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-05
Client ID: B-16 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:35
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	31100		mg/kg	8.49	2.29	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.24	0.322	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Arsenic, Total	1.34		mg/kg	0.849	0.176	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Barium, Total	255		mg/kg	0.849	0.148	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Beryllium, Total	0.840		mg/kg	0.424	0.028	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.849	0.083	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Calcium, Total	3100		mg/kg	8.49	2.97	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Chromium, Total	98.6		mg/kg	0.849	0.082	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Cobalt, Total	24.6		mg/kg	1.70	0.141	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Copper, Total	24.4		mg/kg	0.849	0.219	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Iron, Total	28600		mg/kg	4.24	0.766	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Lead, Total	7.50		mg/kg	4.24	0.228	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Magnesium, Total	14600		mg/kg	8.49	1.31	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Manganese, Total	662		mg/kg	0.849	0.135	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Mercury, Total	0.076		mg/kg	0.069	0.045	1	09/16/19 09:30	09/16/19 20:04	EPA 7471B	1,7471B	GD
Nickel, Total	163		mg/kg	2.12	0.205	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Potassium, Total	10900		mg/kg	212	12.2	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.70	0.219	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.849	0.240	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Sodium, Total	1140		mg/kg	170	2.67	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.70	0.267	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Vanadium, Total	72.2		mg/kg	0.849	0.172	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB
Zinc, Total	71.5		mg/kg	4.24	0.249	2	09/13/19 20:30	09/16/19 15:29	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Lab Number: L1941309
Project Number: 10567
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-06
Client ID: B-1 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 10:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	15800		mg/kg	8.39	2.26	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.20	0.319	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Arsenic, Total	1.87		mg/kg	0.839	0.174	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Barium, Total	97.5		mg/kg	0.839	0.146	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Beryllium, Total	0.302	J	mg/kg	0.420	0.028	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.839	0.082	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Calcium, Total	1680		mg/kg	8.39	2.94	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Chromium, Total	35.5		mg/kg	0.839	0.081	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Cobalt, Total	14.0		mg/kg	1.68	0.139	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Copper, Total	22.9		mg/kg	0.839	0.216	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Iron, Total	22000		mg/kg	4.20	0.758	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Lead, Total	4.24		mg/kg	4.20	0.225	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Magnesium, Total	5720		mg/kg	8.39	1.29	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Manganese, Total	358		mg/kg	0.839	0.133	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.068	0.045	1	09/16/19 09:30	09/16/19 20:06	EPA 7471B	1,7471B	GD
Nickel, Total	30.5		mg/kg	2.10	0.203	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Potassium, Total	5430		mg/kg	210	12.1	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.68	0.216	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.839	0.238	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Sodium, Total	160	J	mg/kg	168	2.64	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.68	0.264	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Vanadium, Total	38.6		mg/kg	0.839	0.170	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB
Zinc, Total	45.7		mg/kg	4.20	0.246	2	09/13/19 20:30	09/16/19 15:34	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Lab Number: L1941309
Project Number: 10567
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-07
Client ID: B-1 (5-6)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	12100		mg/kg	8.22	2.22	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.11	0.312	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Arsenic, Total	0.624	J	mg/kg	0.822	0.171	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Barium, Total	106		mg/kg	0.822	0.143	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Beryllium, Total	0.279	J	mg/kg	0.411	0.027	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.822	0.081	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Calcium, Total	1300		mg/kg	8.22	2.88	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Chromium, Total	44.9		mg/kg	0.822	0.079	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Cobalt, Total	10.8		mg/kg	1.64	0.136	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Copper, Total	57.5		mg/kg	0.822	0.212	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Iron, Total	18300		mg/kg	4.11	0.742	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Lead, Total	3.08	J	mg/kg	4.11	0.220	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Magnesium, Total	6450		mg/kg	8.22	1.26	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Manganese, Total	347		mg/kg	0.822	0.131	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.067	0.043	1	09/16/19 09:30	09/16/19 20:08	EPA 7471B	1,7471B	GD
Nickel, Total	45.3		mg/kg	2.05	0.199	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Potassium, Total	5340		mg/kg	205	11.8	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Selenium, Total	0.337	J	mg/kg	1.64	0.212	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.822	0.232	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Sodium, Total	184		mg/kg	164	2.59	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.64	0.259	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Vanadium, Total	27.1		mg/kg	0.822	0.167	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB
Zinc, Total	39.8		mg/kg	4.11	0.241	2	09/13/19 20:30	09/16/19 15:39	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Lab Number: L1941309
Project Number: 10567
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-08
Client ID: B-1 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	21600		mg/kg	7.98	2.16	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	3.99	0.303	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Arsenic, Total	0.583	J	mg/kg	0.798	0.166	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Barium, Total	416		mg/kg	0.798	0.139	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Beryllium, Total	0.120	J	mg/kg	0.399	0.026	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.798	0.078	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Calcium, Total	1740		mg/kg	7.98	2.79	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Chromium, Total	73.3		mg/kg	0.798	0.077	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Cobalt, Total	23.8		mg/kg	1.60	0.132	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Copper, Total	70.3		mg/kg	0.798	0.206	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Iron, Total	31100		mg/kg	3.99	0.721	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Lead, Total	3.99		mg/kg	3.99	0.214	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Magnesium, Total	10400		mg/kg	7.98	1.23	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Manganese, Total	515		mg/kg	0.798	0.127	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.066	0.043	1	09/16/19 09:30	09/16/19 20:09	EPA 7471B	1,7471B	GD
Nickel, Total	138		mg/kg	2.00	0.193	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Potassium, Total	15800		mg/kg	200	11.5	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.60	0.206	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.798	0.226	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Sodium, Total	570		mg/kg	160	2.51	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.60	0.251	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Vanadium, Total	67.0		mg/kg	0.798	0.162	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB
Zinc, Total	72.9		mg/kg	3.99	0.234	2	09/13/19 20:30	09/16/19 15:43	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Lab Number: L1941309
Project Number: 10567
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-09
Client ID: B-11 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11200		mg/kg	8.33	2.25	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.16	0.316	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Arsenic, Total	1.59		mg/kg	0.833	0.173	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Barium, Total	70.9		mg/kg	0.833	0.145	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Beryllium, Total	0.300	J	mg/kg	0.416	0.028	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.833	0.082	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Calcium, Total	515		mg/kg	8.33	2.92	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Chromium, Total	20.1		mg/kg	0.833	0.080	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Cobalt, Total	7.13		mg/kg	1.66	0.138	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Copper, Total	16.5		mg/kg	0.833	0.215	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Iron, Total	15200		mg/kg	4.16	0.752	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Lead, Total	3.47	J	mg/kg	4.16	0.223	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Magnesium, Total	2040		mg/kg	8.33	1.28	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Manganese, Total	518		mg/kg	0.833	0.132	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.070	0.046	1	09/16/19 09:30	09/16/19 20:11	EPA 7471B	1,7471B	GD
Nickel, Total	29.9		mg/kg	2.08	0.202	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Potassium, Total	2200		mg/kg	208	12.0	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.66	0.215	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.833	0.236	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Sodium, Total	406		mg/kg	166	2.62	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.66	0.262	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Vanadium, Total	23.2		mg/kg	0.833	0.169	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB
Zinc, Total	22.2		mg/kg	4.16	0.244	2	09/13/19 20:30	09/16/19 15:48	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-10
Client ID: B-11 (0-1)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 11:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12400		mg/kg	9.45	2.55	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Antimony, Total	0.416	J	mg/kg	4.72	0.359	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Arsenic, Total	3.48		mg/kg	0.945	0.196	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Barium, Total	62.4		mg/kg	0.945	0.164	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Beryllium, Total	0.387	J	mg/kg	0.472	0.031	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.945	0.093	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Calcium, Total	1160		mg/kg	9.45	3.31	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Chromium, Total	24.5		mg/kg	0.945	0.091	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Cobalt, Total	7.85		mg/kg	1.89	0.157	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Copper, Total	26.1		mg/kg	0.945	0.244	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Iron, Total	17900		mg/kg	4.72	0.853	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Lead, Total	24.6		mg/kg	4.72	0.253	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Magnesium, Total	2650		mg/kg	9.45	1.46	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Manganese, Total	355		mg/kg	0.945	0.150	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Mercury, Total	0.052	J	mg/kg	0.078	0.051	1	09/16/19 09:30	09/16/19 20:13	EPA 7471B	1,7471B	GD
Nickel, Total	23.1		mg/kg	2.36	0.229	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Potassium, Total	945		mg/kg	236	13.6	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Selenium, Total	0.652	J	mg/kg	1.89	0.244	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.945	0.267	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Sodium, Total	257		mg/kg	189	2.98	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.89	0.298	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Vanadium, Total	28.2		mg/kg	0.945	0.192	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB
Zinc, Total	39.0		mg/kg	4.72	0.277	2	09/13/19 20:30	09/16/19 15:52	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-11
Client ID: B-6 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8270		mg/kg	8.32	2.24	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.16	0.316	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Arsenic, Total	0.940		mg/kg	0.832	0.173	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Barium, Total	65.6		mg/kg	0.832	0.145	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Beryllium, Total	0.291	J	mg/kg	0.416	0.027	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.832	0.082	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Calcium, Total	725		mg/kg	8.32	2.91	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Chromium, Total	22.9		mg/kg	0.832	0.080	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Cobalt, Total	7.75		mg/kg	1.66	0.138	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Copper, Total	32.1		mg/kg	0.832	0.214	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Iron, Total	14700		mg/kg	4.16	0.751	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Lead, Total	2.68	J	mg/kg	4.16	0.223	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Magnesium, Total	2630		mg/kg	8.32	1.28	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Manganese, Total	596		mg/kg	0.832	0.132	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.069	0.045	1	09/16/19 09:30	09/16/19 20:15	EPA 7471B	1,7471B	GD
Nickel, Total	58.1		mg/kg	2.08	0.201	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Potassium, Total	2450		mg/kg	208	12.0	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Selenium, Total	0.249	J	mg/kg	1.66	0.214	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.832	0.235	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Sodium, Total	152	J	mg/kg	166	2.62	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.66	0.262	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Vanadium, Total	19.3		mg/kg	0.832	0.169	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB
Zinc, Total	45.1		mg/kg	4.16	0.244	2	09/13/19 20:30	09/16/19 16:09	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Lab Number: L1941309
Project Number: 10567
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-12
Client ID: B-6 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	8690		mg/kg	8.29	2.24	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.14	0.315	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Arsenic, Total	0.978		mg/kg	0.829	0.172	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Barium, Total	66.2		mg/kg	0.829	0.144	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Beryllium, Total	0.265	J	mg/kg	0.414	0.027	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.829	0.081	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Calcium, Total	454		mg/kg	8.29	2.90	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Chromium, Total	19.2		mg/kg	0.829	0.080	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Cobalt, Total	7.14		mg/kg	1.66	0.138	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Copper, Total	15.2		mg/kg	0.829	0.214	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Iron, Total	14000		mg/kg	4.14	0.748	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Lead, Total	2.49	J	mg/kg	4.14	0.222	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Magnesium, Total	2180		mg/kg	8.29	1.28	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Manganese, Total	482		mg/kg	0.829	0.132	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.069	0.045	1	09/16/19 09:30	09/16/19 20:17	EPA 7471B	1,7471B	GD
Nickel, Total	21.3		mg/kg	2.07	0.200	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Potassium, Total	2360		mg/kg	207	11.9	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Selenium, Total	0.265	J	mg/kg	1.66	0.214	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.829	0.234	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Sodium, Total	102	J	mg/kg	166	2.61	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.66	0.261	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Vanadium, Total	19.8		mg/kg	0.829	0.168	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB
Zinc, Total	19.2		mg/kg	4.14	0.243	2	09/13/19 20:30	09/16/19 16:14	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Lab Number: L1941309
Project Number: 10567
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-13
Client ID: B-6 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 12:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	13900		mg/kg	8.95	2.42	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.48	0.340	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Arsenic, Total	3.19		mg/kg	0.895	0.186	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Barium, Total	87.0		mg/kg	0.895	0.156	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Beryllium, Total	0.394	J	mg/kg	0.448	0.030	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.895	0.088	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Calcium, Total	1230		mg/kg	8.95	3.13	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Chromium, Total	24.1		mg/kg	0.895	0.086	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Cobalt, Total	9.09		mg/kg	1.79	0.148	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Copper, Total	15.0		mg/kg	0.895	0.231	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Iron, Total	18500		mg/kg	4.48	0.808	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Lead, Total	20.8		mg/kg	4.48	0.240	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Magnesium, Total	2900		mg/kg	8.95	1.38	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Manganese, Total	431		mg/kg	0.895	0.142	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.071	0.047	1	09/16/19 09:30	09/16/19 20:19	EPA 7471B	1,7471B	GD
Nickel, Total	17.2		mg/kg	2.24	0.217	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Potassium, Total	1540		mg/kg	224	12.9	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Selenium, Total	0.734	J	mg/kg	1.79	0.231	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.895	0.253	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Sodium, Total	89.0	J	mg/kg	179	2.82	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.79	0.282	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Vanadium, Total	28.7		mg/kg	0.895	0.182	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB
Zinc, Total	30.5		mg/kg	4.48	0.262	2	09/13/19 20:30	09/16/19 16:18	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Lab Number: L1941309
Project Number: 10567
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-14
Client ID: B-10 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5830		mg/kg	8.68	2.34	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.34	0.330	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Arsenic, Total	4.42		mg/kg	0.868	0.180	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Barium, Total	126		mg/kg	0.868	0.151	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Beryllium, Total	0.226	J	mg/kg	0.434	0.029	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.868	0.085	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Calcium, Total	111000		mg/kg	86.8	30.4	20	09/13/19 20:30	09/16/19 17:38	EPA 3050B	1,6010D	AB
Chromium, Total	10.2		mg/kg	0.868	0.083	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Cobalt, Total	3.69		mg/kg	1.74	0.144	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Copper, Total	12.4		mg/kg	0.868	0.224	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Iron, Total	7630		mg/kg	4.34	0.784	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Lead, Total	123		mg/kg	4.34	0.232	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Magnesium, Total	5110		mg/kg	8.68	1.34	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Manganese, Total	145		mg/kg	0.868	0.138	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.070	0.046	1	09/16/19 09:30	09/16/19 20:25	EPA 7471B	1,7471B	GD
Nickel, Total	5.75		mg/kg	2.17	0.210	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Potassium, Total	1270		mg/kg	217	12.5	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.74	0.224	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.868	0.246	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Sodium, Total	1310		mg/kg	174	2.73	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.74	0.273	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Vanadium, Total	22.0		mg/kg	0.868	0.176	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB
Zinc, Total	113		mg/kg	4.34	0.254	2	09/13/19 20:30	09/16/19 16:22	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Lab Number: L1941309
Project Number: 10567
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-15
Client ID: B-10 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:25
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	15700		mg/kg	8.64	2.33	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.32	0.328	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Arsenic, Total	2.07		mg/kg	0.864	0.180	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Barium, Total	347		mg/kg	0.864	0.150	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Beryllium, Total	0.251	J	mg/kg	0.432	0.029	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.864	0.085	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Calcium, Total	15700		mg/kg	8.64	3.02	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Chromium, Total	31.7		mg/kg	0.864	0.083	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Cobalt, Total	13.8		mg/kg	1.73	0.144	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Copper, Total	53.7		mg/kg	0.864	0.223	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Iron, Total	21900		mg/kg	4.32	0.781	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Lead, Total	431		mg/kg	4.32	0.232	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Magnesium, Total	8750		mg/kg	8.64	1.33	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Manganese, Total	452		mg/kg	0.864	0.137	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.071	0.047	1	09/16/19 09:30	09/16/19 20:26	EPA 7471B	1,7471B	GD
Nickel, Total	22.0		mg/kg	2.16	0.209	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Potassium, Total	7040		mg/kg	216	12.4	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Selenium, Total	0.285	J	mg/kg	1.73	0.223	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.864	0.245	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Sodium, Total	1720		mg/kg	173	2.72	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.73	0.272	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Vanadium, Total	44.5		mg/kg	0.864	0.175	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB
Zinc, Total	204		mg/kg	4.32	0.253	2	09/13/19 20:30	09/16/19 16:27	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-16
Client ID: B-10 (11-12)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17400		mg/kg	8.47	2.29	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.24	0.322	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Arsenic, Total	0.949		mg/kg	0.847	0.176	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Barium, Total	295		mg/kg	0.847	0.147	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Beryllium, Total	0.161	J	mg/kg	0.424	0.028	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.847	0.083	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Calcium, Total	614		mg/kg	8.47	2.96	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Chromium, Total	37.5		mg/kg	0.847	0.081	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Cobalt, Total	16.8		mg/kg	1.69	0.141	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Copper, Total	94.8		mg/kg	0.847	0.219	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Iron, Total	29400		mg/kg	4.24	0.765	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Lead, Total	4.23	J	mg/kg	4.24	0.227	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Magnesium, Total	6860		mg/kg	8.47	1.30	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Manganese, Total	389		mg/kg	0.847	0.135	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.068	0.045	1	09/16/19 09:30	09/16/19 20:28	EPA 7471B	1,7471B	GD
Nickel, Total	17.7		mg/kg	2.12	0.205	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Potassium, Total	12000		mg/kg	212	12.2	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.69	0.219	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.847	0.240	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Sodium, Total	1450		mg/kg	169	2.67	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.69	0.267	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Vanadium, Total	52.4		mg/kg	0.847	0.172	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB
Zinc, Total	60.3		mg/kg	4.24	0.248	2	09/13/19 20:30	09/16/19 16:31	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-17
Client ID: B-15 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7630		mg/kg	8.54	2.30	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.27	0.324	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Arsenic, Total	2.87		mg/kg	0.854	0.178	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Barium, Total	441		mg/kg	0.854	0.148	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Beryllium, Total	0.136	J	mg/kg	0.427	0.028	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Cadmium, Total	1.58		mg/kg	0.854	0.084	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Calcium, Total	21800		mg/kg	8.54	2.99	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Chromium, Total	16.2		mg/kg	0.854	0.082	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Cobalt, Total	7.13		mg/kg	1.71	0.142	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Copper, Total	28.8		mg/kg	0.854	0.220	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Iron, Total	13100		mg/kg	4.27	0.771	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Lead, Total	192		mg/kg	4.27	0.229	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Magnesium, Total	7570		mg/kg	8.54	1.31	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Manganese, Total	182		mg/kg	0.854	0.136	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.069	0.045	1	09/16/19 09:30	09/16/19 20:30	EPA 7471B	1,7471B	GD
Nickel, Total	11.1		mg/kg	2.13	0.206	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Potassium, Total	3360		mg/kg	213	12.3	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Selenium, Total	0.324	J	mg/kg	1.71	0.220	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.854	0.242	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Sodium, Total	416		mg/kg	171	2.69	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.71	0.269	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Vanadium, Total	29.4		mg/kg	0.854	0.173	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB
Zinc, Total	216		mg/kg	4.27	0.250	2	09/13/19 20:30	09/16/19 16:36	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-18
Client ID: B-15 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/10/19 13:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	13000		mg/kg	8.81	2.38	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.40	0.335	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Arsenic, Total	1.71		mg/kg	0.881	0.183	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Barium, Total	286		mg/kg	0.881	0.153	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Beryllium, Total	0.106	J	mg/kg	0.440	0.029	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.881	0.086	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Calcium, Total	28700		mg/kg	8.81	3.08	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Chromium, Total	26.3		mg/kg	0.881	0.085	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Cobalt, Total	11.4		mg/kg	1.76	0.146	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Copper, Total	25.9		mg/kg	0.881	0.227	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Iron, Total	18600		mg/kg	4.40	0.796	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Lead, Total	66.4		mg/kg	4.40	0.236	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Magnesium, Total	11300		mg/kg	8.81	1.36	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Manganese, Total	421		mg/kg	0.881	0.140	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.070	0.046	1	09/16/19 09:30	09/16/19 20:32	EPA 7471B	1,7471B	GD
Nickel, Total	20.7		mg/kg	2.20	0.213	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Potassium, Total	7930		mg/kg	220	12.7	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Selenium, Total	0.264	J	mg/kg	1.76	0.227	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.881	0.249	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Sodium, Total	404		mg/kg	176	2.78	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.76	0.278	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Vanadium, Total	41.4		mg/kg	0.881	0.179	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB
Zinc, Total	144		mg/kg	4.40	0.258	2	09/13/19 20:30	09/16/19 16:40	EPA 3050B	1,6010D	AB

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-18 Batch: WG1283989-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Arsenic, Total	0.096	J	mg/kg	0.400	0.083	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Chromium, Total	0.052	J	mg/kg	0.400	0.038	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Iron, Total	ND		mg/kg	2.00	0.361	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Sodium, Total	2.87	J	mg/kg	80.0	1.26	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/13/19 20:30	09/16/19 14:24	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-18 Batch: WG1284527-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/16/19 09:30	09/16/19 19:43	1,7471B	GD

Project Name: Not Specified
Project Number: 10567
Lab Number: L1941309
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-18 Batch: WG1283989-2 SRM Lot Number: D105-540								
Aluminum, Total	72		-		51-149	-		
Antimony, Total	152		-		19-249	-		
Arsenic, Total	103		-		70-130	-		
Barium, Total	106		-		75-125	-		
Beryllium, Total	107		-		75-125	-		
Cadmium, Total	105		-		75-125	-		
Calcium, Total	92		-		73-127	-		
Chromium, Total	96		-		70-130	-		
Cobalt, Total	96		-		75-125	-		
Copper, Total	106		-		75-125	-		
Iron, Total	85		-		38-162	-		
Lead, Total	94		-		71-128	-		
Magnesium, Total	86		-		63-137	-		
Manganese, Total	97		-		76-124	-		
Nickel, Total	99		-		70-131	-		
Potassium, Total	88		-		60-140	-		
Selenium, Total	102		-		63-137	-		
Silver, Total	105		-		69-131	-		
Sodium, Total	105		-		37-162	-		
Thallium, Total	102		-		68-132	-		
Vanadium, Total	94		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-18 Batch: WG1283989-2 SRM Lot Number: D105-540					
Zinc, Total	93	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-18 Batch: WG1284527-2 SRM Lot Number: D105-540					
Mercury, Total	85	-	60-141	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-18 QC Batch ID: WG1283989-3 QC Sample: L1941309-01 Client ID: B-2 (3-4)												
Aluminum, Total	11500	159	11600	**63**	Q	-	-		75-125	-		20
Antimony, Total	ND	39.8	34.0	85		-	-		75-125	-		20
Arsenic, Total	1.25	9.56	10.6	98		-	-		75-125	-		20
Barium, Total	104	159	257	96		-	-		75-125	-		20
Beryllium, Total	0.269J	3.98	3.99	100		-	-		75-125	-		20
Cadmium, Total	ND	4.06	3.33	82		-	-		75-125	-		20
Calcium, Total	638	797	1350	89		-	-		75-125	-		20
Chromium, Total	20.9	15.9	35.4	91		-	-		75-125	-		20
Cobalt, Total	7.86	39.8	42.8	88		-	-		75-125	-		20
Copper, Total	19.3	19.9	38.8	98		-	-		75-125	-		20
Iron, Total	16900	79.7	16800	**0**	Q	-	-		75-125	-		20
Lead, Total	3.53J	40.6	39.1	96		-	-		75-125	-		20
Magnesium, Total	3150	797	3970	103		-	-		75-125	-		20
Manganese, Total	381	39.8	407	**65**	Q	-	-		75-125	-		20
Nickel, Total	20.1	39.8	54.3	86		-	-		75-125	-		20
Potassium, Total	3300	797	4100	100		-	-		75-125	-		20
Selenium, Total	0.432J	9.56	9.31	97		-	-		75-125	-		20
Silver, Total	ND	23.9	23.1	97		-	-		75-125	-		20
Sodium, Total	144J	797	913	115		-	-		75-125	-		20
Thallium, Total	ND	9.56	7.60	79		-	-		75-125	-		20
Vanadium, Total	27.8	39.8	63.6	90		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-18 QC Batch ID: WG1283989-3 QC Sample: L1941309-01 Client ID: B-2 (3-4)										
Zinc, Total	46.9	39.8	83.1	91		-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-18 QC Batch ID: WG1284527-3 QC Sample: L1941309-01 Client ID: B-2 (3-4)										
Mercury, Total	ND	0.133	0.094	**70**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-18 QC Batch ID: WG1283989-4 QC Sample: L1941309-01 Client ID: B-2 (3-4)						
Aluminum, Total	11500	10400	mg/kg	10		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	1.25	2.61	mg/kg	**70**	Q	20
Barium, Total	104	91.1	mg/kg	13		20
Beryllium, Total	0.269J	0.268J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	638	614	mg/kg	4		20
Chromium, Total	20.9	16.8	mg/kg	**22**	Q	20
Cobalt, Total	7.86	7.05	mg/kg	11		20
Copper, Total	19.3	16.6	mg/kg	15		20
Iron, Total	16900	14800	mg/kg	13		20
Lead, Total	3.53J	3.85J	mg/kg	NC		20
Magnesium, Total	3150	2750	mg/kg	14		20
Manganese, Total	381	345	mg/kg	10		20
Nickel, Total	20.1	17.6	mg/kg	13		20
Potassium, Total	3300	2950	mg/kg	11		20
Selenium, Total	0.432J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	144J	130J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-18 QC Batch ID: WG1283989-4 QC Sample: L1941309-01 Client ID: B-2 (3-4)					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	27.8	23.0	mg/kg	19	20
Zinc, Total	46.9	43.9	mg/kg	7	20
Total Metals - Mansfield Lab Associated sample(s): 01-18 QC Batch ID: WG1284527-4 QC Sample: L1941309-01 Client ID: B-2 (3-4)					
Mercury, Total	ND	ND	mg/kg	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-01
Client ID: B-2 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 09:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.6		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	0.96	0.20	1	09/11/19 16:20	09/12/19 12:24	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-02
Client ID: B-2 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 09:45
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.7		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/11/19 16:20	09/12/19 12:25	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-03
Client ID: B-7 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.5		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	9.2		mg/kg	1.2	0.25	1	09/11/19 16:20	09/12/19 12:26	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-04
Client ID: B-16 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.1		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	09/11/19 16:20	09/12/19 13:40	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-05
Client ID: B-16 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:35
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/11/19 16:20	09/12/19 12:30	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-06
Client ID: B-1 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 10:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.8		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	09/11/19 16:20	09/12/19 12:33	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-07
Client ID: B-1 (5-6)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:10
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.4		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	0.99	0.21	1	09/11/19 16:20	09/12/19 12:34	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-08
Client ID: B-1 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.4		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	0.97	0.20	1	09/11/19 16:20	09/12/19 12:35	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-09
Client ID: B-11 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/11/19 16:20	09/12/19 12:36	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-10
Client ID: B-11 (0-1)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 11:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.4		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	0.65	J	mg/kg	1.1	0.24	1	09/11/19 16:20	09/12/19 12:37	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-11
Client ID: B-6 (10-11)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:55
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/11/19 16:20	09/12/19 12:38	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-12
Client ID: B-6 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.2		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/11/19 16:20	09/12/19 12:58	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-13
Client ID: B-6 (1-2)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 12:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.6		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	09/12/19 10:00	09/12/19 13:36	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-14
Client ID: B-10 (2-3)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:20
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/12/19 10:00	09/12/19 13:37	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-15
Client ID: B-10 (7-8)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:25
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.9		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/12/19 12:30	09/12/19 14:59	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-16
Client ID: B-10 (11-12)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:30
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.2		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/12/19 12:30	09/12/19 15:02	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-17
Client ID: B-15 (3-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:40
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.4		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/12/19 12:30	09/12/19 15:03	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941309-18
Client ID: B-15 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/10/19 13:50
Date Received: 09/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	09/11/19 12:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/12/19 12:30	09/12/19 15:04	1,9010C/9012B	LH

Project Name:

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG1282897-1										
Cyanide, Total	ND		mg/kg	0.93	0.20	1	09/11/19 16:20	09/12/19 12:08	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 05-12 Batch: WG1282900-1										
Cyanide, Total	ND		mg/kg	0.93	0.20	1	09/11/19 16:20	09/12/19 12:10	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 13-14 Batch: WG1282962-1										
Cyanide, Total	ND		mg/kg	0.92	0.20	1	09/12/19 10:00	09/12/19 13:00	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 15-18 Batch: WG1283241-1										
Cyanide, Total	ND		mg/kg	0.93	0.20	1	09/12/19 12:30	09/12/19 14:38	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1282897-2 WG1282897-3								
Cyanide, Total	93		80		80-120	15		35
General Chemistry - Westborough Lab Associated sample(s): 05-12 Batch: WG1282900-2 WG1282900-3								
Cyanide, Total	93		81		80-120	15		35
General Chemistry - Westborough Lab Associated sample(s): 13-14 Batch: WG1282962-2 WG1282962-3								
Cyanide, Total	88		**74**	Q	80-120	20		35
General Chemistry - Westborough Lab Associated sample(s): 15-18 Batch: WG1283241-2 WG1283241-3								
Cyanide, Total	82		**70**	Q	80-120	16		35

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1282897-4 WG1282897-5 QC Sample: L1941307-06 Client ID: MS Sample												
Cyanide, Total	ND	11	11	100		10	100		75-125	10		35
General Chemistry - Westborough Lab Associated sample(s): 05-12 QC Batch ID: WG1282900-4 WG1282900-5 QC Sample: L1941309-05 Client ID: B-16 (7-8)												
Cyanide, Total	ND	10	10	96		9.7	96		75-125	3		35
General Chemistry - Westborough Lab Associated sample(s): 13-14 QC Batch ID: WG1282962-4 WG1282962-5 QC Sample: L1941288-02 Client ID: MS Sample												
Cyanide, Total	1.1J	12	11	85		12	100		75-125	9		35
General Chemistry - Westborough Lab Associated sample(s): 15-18 QC Batch ID: WG1283241-4 WG1283241-5 QC Sample: L1941416-01 Client ID: MS Sample												
Cyanide, Total	0.36J	11	11	99		10	90		75-125	10		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10567

Lab Number: L1941309

Report Date: 10/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG1282781-1 QC Sample: L1941309-01 Client ID: B-2 (3-4)						
Solids, Total	95.6	95.7	%	0		20

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941309-01A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-01B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-01C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-01D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L1941309-01E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-01F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-01X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-01Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-01Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-02A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-02B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-02C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-02D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180)
L1941309-02E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-02F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-02X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-02Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941309-02Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-03A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-03B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-03C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-03D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L1941309-03E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-03F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-03X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-03Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-03Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-04A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-04B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-04C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-04D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L1941309-04E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-04F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-04X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-04Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-04Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-05A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-05B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-05C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941309-05D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L1941309-05E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-05F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-05X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-05Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-05Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941309-06A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-06B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-06C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-06D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941309-06E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-06F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-06X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-06Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-06Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-07A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-07B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-07C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-07D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L1941309-07E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941309-07F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-07X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-07Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-07Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-08A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-08B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-08C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-08D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)
L1941309-08E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-08F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-08X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-08Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-08Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-09A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-09B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-09C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-09D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L1941309-09E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-09F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-09X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-09Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-09Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-10A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941309-10B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-10C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-10D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L1941309-10E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-10F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-10X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-10Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-10Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:04	NYTCL-8260HLW(14)
L1941309-11A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-11B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-11C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-11D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L1941309-11E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-11F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-11X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-11Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-11Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-12A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-12B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-12C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941309-12D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L1941309-12E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-12F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-12X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-12Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-12Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-13A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-13B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-13C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-13D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L1941309-13E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-13F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-13X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-13Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-13Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-14A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-14B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-14C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-14D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L1941309-14E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941309-14F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-14X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-14Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-14Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-15A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-15B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-15C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-15D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L1941309-15E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-15F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-15X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-15Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-15Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-16A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-16B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-16C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-16D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L1941309-16E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-16F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-16X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1941309-16Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-16Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14)
L1941309-17A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 10567

Lab Number: L1941309
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941309-17B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941309-17C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941309-17D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L1941309-17E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-17F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-17X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941309-17Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941309-17Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941309-18A	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941309-18B	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941309-18C	5 gram Encore Sampler	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941309-18D	Glass 60ml unpreserved split	C	NA		4.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L1941309-18E	Glass 250ml/8oz unpreserved	C	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1941309-18F	Plastic 8oz unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941309-18X	Vial MeOH preserved split	C	NA		4.8	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941309-18Y	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941309-18Z	Vial Water preserved split	C	NA		4.8	Y	Absent	11-SEP-19 13:23	NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941309-19A	Plastic 250ml unpreserved	C	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name:	Not Specified	**Lab Number:**	L1941309
Project Number:	10567	**Report Date:**	10/18/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	Not Specified	**Lab Number:**	L1941309
Project Number:	10567	**Report Date:**	10/18/19

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

Terms

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	Not Specified	**Lab Number:**	L1941309
Project Number:	10567	**Report Date:**	10/18/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

122 Determination of Selected Perfluorintated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS). EPA Method 537, EPA/600/R-08/092. Version 1.1, September 2009.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 1 of 2

Date Rec'd in Lab: 9/11/19

ALPHA Job #: L1941309

Client Information

Client: SESI
Address: 12 Maple ave
Pine Brook, NJ
Phone: 973 808 4050
Fax:
Email: JAM@SESI.org

Project Information

Project Name:
Project Location: 33 Centre ave, New Rochelle, NY
Project # 10567
(Use Project name as Project #) [X]
Project Manager: Jesse Mawhinney
ALPHAQuote #:

Turn-Around Time

Standard [X] 1 week Due Date:
Rush (only if pre approved) [ ] # of Days:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other email/excel

Regulatory Requirement

[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[X] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information

[X] Same as Client Info
PO # 10567 Phase I

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

ANALYSIS

TCL+30 TAL | PFAS | 1,4 Dioxane

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+30 TAL	PFAS	1,4 Dioxane	Sample Specific Comments
41309 01	B-2 (3-4)	9/10/19	940	SO:1	JCS	X	X	X	
02	B-2 (6-7)		945						
03	B-7 (1-2)		1020						
04	B-16 (3-4)		1030						
05	B-16 (7-8)		1035						
06	B-1 (2-3)		1040						
07	B-1 (5-6)		1110						
08	B-1 (10-11)		1120						
09	B-11 (6-7)		1155						
10	B-11 (0-1)		1150						

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	G,E	P	G,	
Preservative	A	A	A	

Relinquished By:	Date/Time	Received By:	Date/Time
	9/10/19		09/10/19 15:22
	09/10/19 17:36		9/11/19 1945
	9/11/19 0015		9/11/19 0015

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 9/11/19

ALPHA Job #: L1941309

Client Information
Client: SESI
Address: 12A Maple ave
Pine Brook, NJ
Phone: 973 808 4050
Fax:
Email: JAM@sesi.org

Project Information
Project Name:
Project Location: 33 Centre ave, New Rochelle, NY
Project #: 10567
(Use Project name as Project #) [X]
Project Manager: Sesee Mansher
ALPHAQuote #:

Turn-Around Time
Standard [X] 1week Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other email, excel

Regulatory Requirement
[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[X] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information
[X] Same as Client Info
PO # 10567 Phase 1

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+30/TAL	PFAS	1,4 Dioxane	Sample Specific Comments
41309-11	B-6(10-11)	9/10/19	1255	Soil	SES	X	X	X	
-12	B-6(7-8)		1250						
-13	B-6(1-2)		1240						
-14	B-10(2-3)		1320						
-15	B-10(7-8)		1325						
-16	B-10(11-12)		1330						
-17	B-15(3-4)		1340						
-18	B-15(6-7)		1350						
-19	FB		1500				X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	G,E	P	G								
Preservative	A	A	A								

Relinquished By:	Date/Time	Received By:	Date/Time
	9/10/19		
	09/10/19 1736		9/10/19 1736
	9/11/19 0015		9/11/19 0015

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1941584
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	33 CENTRE AVE
Project Number:	10567 PHASE3.1
Report Date:	10/18/19

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

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

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

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1941584-01	WC-A-3 (0-5)	SOIL	NEW ROCHELLE, NY	09/11/19 09:00	09/11/19
L1941584-02	WC-A-4 (0-6)	SOIL	NEW ROCHELLE, NY	09/11/19 09:30	09/11/19
L1941584-03	WC-B-4 (0-5)	SOIL	NEW ROCHELLE, NY	09/11/19 12:40	09/11/19
L1941584-04	B-4 (4-5)	SOIL	NEW ROCHELLE, NY	09/11/19 09:10	09/11/19
L1941584-05	B-4 (7-8)	SOIL	NEW ROCHELLE, NY	09/11/19 09:05	09/11/19
L1941584-06	WC-B-3 (0-5)	SOIL	NEW ROCHELLE, NY	09/11/19 10:30	09/11/19
L1941584-07	B-9 (3-4)	SOIL	NEW ROCHELLE, NY	09/11/19 09:40	09/11/19
L1941584-08	B-9 (6-7)	SOIL	NEW ROCHELLE, NY	09/11/19 09:45	09/11/19
L1941584-09	B-14 (8-9)	SOIL	NEW ROCHELLE, NY	09/11/19 10:45	09/11/19
L1941584-10	B-14 (2-3)	SOIL	NEW ROCHELLE, NY	09/11/19 10:40	09/11/19
L1941584-11	B-13 (3-4)	SOIL	NEW ROCHELLE, NY	09/11/19 11:00	09/11/19
L1941584-12	B-13 (6-7)	SOIL	NEW ROCHELLE, NY	09/11/19 11:05	09/11/19
L1941584-13	B-8 (4-5)	SOIL	NEW ROCHELLE, NY	09/11/19 12:00	09/11/19
L1941584-14	B-8 (5-6)	SOIL	NEW ROCHELLE, NY	09/11/19 12:05	09/11/19
L1941584-15	B-3 (4-5)	SOIL	NEW ROCHELLE, NY	09/11/19 12:15	09/11/19
L1941584-16	B-3 (6-7)	SOIL	NEW ROCHELLE, NY	09/11/19 12:20	09/11/19
L1941584-17	DUP	SOIL	NEW ROCHELLE, NY	09/11/19 00:00	09/11/19

Project Name:	33 CENTRE AVE	**Lab Number:**	L1941584
Project Number:	10567 PHASE3.1	**Report Date:**	10/18/19

Case Narrative

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

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

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

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

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

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

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Case Narrative (continued)

Report Submission

October 18, 2019: This final report includes the results of all requested analyses.

October 02, 2019: This is a preliminary report.

September 18, 2019: This is a preliminary report.

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

Sample Receipt

L1941584-17: A sample identified as "DUP" was received but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

Volatile Organics

L1941584-02, -05, -07, and -13 through -17 were analyzed as a High Level Methanol in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies. Further re-analysis could not be performed due to the existing vials being compromised.

Semivolatile Organics

L1941584-04: The sample has elevated detection limits due to the dilution required by the sample matrix.

L1941584-04: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%), and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Perfluorinated Alkyl Acids by Isotope Dilution

Project Name: 33 CENTRE AVE **Lab Number:** L1941584
Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

Case Narrative (continued)

The WG1288952-3 LCSD recovery, associated with L1941584-04, -05, -07 through -10, and -17, is above the acceptance criteria for perfluorooctanesulfonamide (fosa) (218%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported. The LCS/LCSD RPD is above the acceptance criteria for perfluorooctanesulfonamide (fosa) (51%).
WG1290269-3: The continuing calibration standard had the response for 8:2 FTS outside the acceptance criteria for the method. This value represents less than 10% of all compounds; therefore, the calibration was accepted.

Pesticides
L1941584-15: The surrogate recoveries are outside the acceptance criteria for decachlorobiphenyl (399%/12800%); however, the sample was not re-extracted due to coelution with obvious interferences.

Total Metals
L1941584-01 through -17: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.
The WG1284789-3 MS recoveries for aluminum (336%), calcium (0%), iron (0%), and magnesium (0%), performed on L1941584-01, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG1284789-3 MS recoveries, performed on L1941584-01, are outside the acceptance criteria for barium (57%), chromium (74%), potassium (126%), and zinc (25%). A post digestion spike was performed and was within acceptance criteria.
The WG1284870-3 MS recovery, performed on L1941584-01, is outside the acceptance criteria for mercury (63%). A post digestion spike was performed and was within acceptance criteria.
The WG1284789-4 Laboratory Duplicate RPDs for barium (40%), calcium (70%), magnesium (67%), potassium (21%), and zinc (28%), performed on L1941584-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.
The WG1284870-4 Laboratory Duplicate RPD for mercury (22%), performed on L1941584-01, is outside the

Project Name: 33 CENTRE AVE **Lab Number:** L1941584
Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

Case Narrative (continued)

acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

Cyanide, Total
The WG1283363-2/-3 LCS/LCSD recoveries (52%/60%), associated with L1941584-01 through -10, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.
The WG1283364-2/-3 LCS/LCSD recoveries (51%/61%), associated with L1941584-11 through -16, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.
The WG1284337-2/-3 LCS/LCSD recoveries (54%/72%), associated with L1941584-17, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported. The LCS/LCSD RPD (44%) is above the acceptance criteria.
WG1283364: A Matrix Spike and Matrix Spike Duplicate were prepared with the sample batch, however, the native sample was not available for reporting; therefore, the Matrix Spike and Matrix Spike Duplicate results could not be reported.

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

Authorized Signature: Caitlin Walukevich

Title: Technical Director/Representative Date: 10/18/19

ORGANICS

VOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 20:17
Analyst: NLK
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.15	1
Chloroform	0.21	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	0.38	J	ug/kg	1.6	0.15	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	1.0	J	ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	0.38	J	ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	240		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.8	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.69	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	85	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

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

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 20:44
Analyst: NLK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	0.24	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	0.22	J	ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	0.44	J	ug/kg	1.6	0.15	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	1.1	J	ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	0.44	J	ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	350	E	ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	5.0	J	ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.71	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	87	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1
Tentatively Identified Compounds						
Total TIC Compounds	4.71	J	ug/kg			1
Unknown Alkane	2.29	J	ug/kg			1
Unknown	2.42	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 18:37
Analyst: NLK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	360	160	1
1,1-Dichloroethane	ND		ug/kg	71	10.	1
Chloroform	ND		ug/kg	110	10.	1
Carbon tetrachloride	ND		ug/kg	71	16.	1
1,2-Dichloropropane	ND		ug/kg	71	8.9	1
Dibromochloromethane	ND		ug/kg	71	10.	1
1,1,2-Trichloroethane	ND		ug/kg	71	19.	1
Tetrachloroethene	ND		ug/kg	36	14.	1
Chlorobenzene	ND		ug/kg	36	9.0	1
Trichlorofluoromethane	ND		ug/kg	280	50.	1
1,2-Dichloroethane	ND		ug/kg	71	18.	1
1,1,1-Trichloroethane	ND		ug/kg	36	12.	1
Bromodichloromethane	ND		ug/kg	36	7.8	1
trans-1,3-Dichloropropene	ND		ug/kg	71	19.	1
cis-1,3-Dichloropropene	ND		ug/kg	36	11.	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	36	11.	1
Bromoform	ND		ug/kg	280	18.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	36	12.	1
Benzene	ND		ug/kg	36	12.	1
Toluene	ND		ug/kg	71	39.	1
Ethylbenzene	ND		ug/kg	71	10.	1
Chloromethane	ND		ug/kg	280	66.	1
Bromomethane	ND		ug/kg	140	41.	1
Vinyl chloride	ND		ug/kg	71	24.	1
Chloroethane	ND		ug/kg	140	32.	1
1,1-Dichloroethene	ND		ug/kg	71	17.	1
trans-1,2-Dichloroethene	ND		ug/kg	110	9.8	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02 Date Collected: 09/11/19 09:30

Client ID: WC-A-4 (0-6) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	36	9.8	1
1,2-Dichlorobenzene	ND		ug/kg	140	10.	1
1,3-Dichlorobenzene	ND		ug/kg	140	10.	1
1,4-Dichlorobenzene	ND		ug/kg	140	12.	1
Methyl tert butyl ether	ND		ug/kg	140	14.	1
p/m-Xylene	ND		ug/kg	140	40.	1
o-Xylene	ND		ug/kg	71	21.	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	71	12.	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	140	17.	1
Styrene	ND		ug/kg	71	14.	1
Dichlorodifluoromethane	ND		ug/kg	710	65.	1
Acetone	ND		ug/kg	710	340	1
Carbon disulfide	ND		ug/kg	710	320	1
2-Butanone	ND		ug/kg	710	160	1
Vinyl acetate	ND		ug/kg	710	150	1
4-Methyl-2-pentanone	ND		ug/kg	710	91.	1
1,2,3-Trichloropropane	ND		ug/kg	140	9.0	1
2-Hexanone	ND		ug/kg	710	84.	1
Bromochloromethane	ND		ug/kg	140	15.	1
2,2-Dichloropropane	ND		ug/kg	140	14.	1
1,2-Dibromoethane	ND		ug/kg	71	20.	1
1,3-Dichloropropane	ND		ug/kg	140	12.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	36	9.4	1
Bromobenzene	ND		ug/kg	140	10.	1
n-Butylbenzene	ND		ug/kg	71	12.	1
sec-Butylbenzene	ND		ug/kg	71	10.	1
tert-Butylbenzene	ND		ug/kg	140	8.4	1
o-Chlorotoluene	ND		ug/kg	140	14.	1
p-Chlorotoluene	ND		ug/kg	140	7.7	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	210	71.	1
Hexachlorobutadiene	ND		ug/kg	280	12.	1
Isopropylbenzene	ND		ug/kg	71	7.8	1
p-Isopropyltoluene	ND		ug/kg	71	7.8	1
Naphthalene	ND		ug/kg	280	46.	1
Acrylonitrile	ND		ug/kg	280	82.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	71	12.	1
1,2,3-Trichlorobenzene	ND		ug/kg	140	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	140	19.	1
1,3,5-Trimethylbenzene	ND		ug/kg	140	14.	1
1,2,4-Trimethylbenzene	ND		ug/kg	140	24.	1
1,4-Dioxane	ND		ug/kg	5700	2500	1
p-Diethylbenzene	ND		ug/kg	140	13.	1
p-Ethyltoluene	ND		ug/kg	140	27.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	140	14.	1
Ethyl ether	ND		ug/kg	140	24.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	360	100	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	94		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 21:10
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	0.22	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	0.28	J	ug/kg	1.6	0.15	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	0.96	J	ug/kg	2.1	0.22	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	0.28	J	ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	210		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.13	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 22:43
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	380	170	1
1,1-Dichloroethane	ND		ug/kg	76	11.	1
Chloroform	14	J	ug/kg	110	11.	1
Carbon tetrachloride	ND		ug/kg	76	18.	1
1,2-Dichloropropane	ND		ug/kg	76	9.5	1
Dibromochloromethane	ND		ug/kg	76	11.	1
1,1,2-Trichloroethane	ND		ug/kg	76	20.	1
Tetrachloroethene	ND		ug/kg	38	15.	1
Chlorobenzene	ND		ug/kg	38	9.7	1
Trichlorofluoromethane	ND		ug/kg	300	53.	1
1,2-Dichloroethane	ND		ug/kg	76	20.	1
1,1,1-Trichloroethane	ND		ug/kg	38	13.	1
Bromodichloromethane	ND		ug/kg	38	8.3	1
trans-1,3-Dichloropropene	ND		ug/kg	76	21.	1
cis-1,3-Dichloropropene	ND		ug/kg	38	12.	1
1,3-Dichloropropene, Total	ND		ug/kg	38	12.	1
1,1-Dichloropropene	ND		ug/kg	38	12.	1
Bromoform	ND		ug/kg	300	19.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	38	13.	1
Benzene	13	J	ug/kg	38	13.	1
Toluene	98		ug/kg	76	41.	1
Ethylbenzene	100		ug/kg	76	11.	1
Chloromethane	ND		ug/kg	300	71.	1
Bromomethane	ND		ug/kg	150	44.	1
Vinyl chloride	ND		ug/kg	76	26.	1
Chloroethane	ND		ug/kg	150	34.	1
1,1-Dichloroethene	ND		ug/kg	76	18.	1
trans-1,2-Dichloroethene	ND		ug/kg	110	10.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	38	10.	1
1,2-Dichlorobenzene	ND		ug/kg	150	11.	1
1,3-Dichlorobenzene	ND		ug/kg	150	11.	1
1,4-Dichlorobenzene	88	J	ug/kg	150	13.	1
Methyl tert butyl ether	ND		ug/kg	150	15.	1
p/m-Xylene	170		ug/kg	150	43.	1
o-Xylene	57	J	ug/kg	76	22.	1
Xylenes, Total	230	J	ug/kg	76	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	76	13.	1
1,2-Dichloroethene, Total	ND		ug/kg	76	10.	1
Dibromomethane	ND		ug/kg	150	18.	1
Styrene	ND		ug/kg	76	15.	1
Dichlorodifluoromethane	ND		ug/kg	760	70.	1
Acetone	ND		ug/kg	760	370	1
Carbon disulfide	ND		ug/kg	760	350	1
2-Butanone	ND		ug/kg	760	170	1
Vinyl acetate	ND		ug/kg	760	160	1
4-Methyl-2-pentanone	ND		ug/kg	760	98.	1
1,2,3-Trichloropropane	ND		ug/kg	150	9.7	1
2-Hexanone	ND		ug/kg	760	90.	1
Bromochloromethane	ND		ug/kg	150	16.	1
2,2-Dichloropropane	ND		ug/kg	150	15.	1
1,2-Dibromoethane	ND		ug/kg	76	21.	1
1,3-Dichloropropane	ND		ug/kg	150	13.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	38	10.	1
Bromobenzene	ND		ug/kg	150	11.	1
n-Butylbenzene	220		ug/kg	76	13.	1
sec-Butylbenzene	210		ug/kg	76	11.	1
tert-Butylbenzene	12	J	ug/kg	150	9.0	1
o-Chlorotoluene	ND		ug/kg	150	14.	1
p-Chlorotoluene	ND		ug/kg	150	8.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	230	76.	1
Hexachlorobutadiene	ND		ug/kg	300	13.	1
Isopropylbenzene	36	J	ug/kg	76	8.3	1
p-Isopropyltoluene	27	J	ug/kg	76	8.3	1
Naphthalene	1000		ug/kg	300	50.	1
Acrylonitrile	ND		ug/kg	300	88.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	120		ug/kg	76	13.	1
1,2,3-Trichlorobenzene	ND		ug/kg	150	24.	1
1,2,4-Trichlorobenzene	ND		ug/kg	150	21.	1
1,3,5-Trimethylbenzene	31	J	ug/kg	150	15.	1
1,2,4-Trimethylbenzene	180		ug/kg	150	26.	1
1,4-Dioxane	ND		ug/kg	6100	2700	1
p-Diethylbenzene	180		ug/kg	150	14.	1
p-Ethyltoluene	210		ug/kg	150	29.	1
1,2,4,5-Tetramethylbenzene	880		ug/kg	150	14.	1
Ethyl ether	ND		ug/kg	150	26.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	380	110	1
Tentatively Identified Compounds						
Total TIC Compounds	40200	J	ug/kg			1
Unknown	4110	J	ug/kg			1
Unknown Aromatic	3310	J	ug/kg			1
Unknown Aromatic	2080	J	ug/kg			1
Unknown Naphthalene	4550	J	ug/kg			1
Unknown	1800	J	ug/kg			1
Unknown	3100	J	ug/kg			1
Unknown Aromatic	1600	J	ug/kg			1
Unknown	3330	J	ug/kg			1
Unknown	1930	J	ug/kg			1
Unknown	2020	J	ug/kg			1
Unknown	1790	J	ug/kg			1
Unknown Benzene	3360	J	ug/kg			1
Unknown	1930	J	ug/kg			1
Unknown Aromatic	2520	J	ug/kg			1
Unknown Aromatic	2790	J	ug/kg			1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	85		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	105		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 21:36
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	0.19	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	0.36	J	ug/kg	1.6	0.14	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	1.1	J	ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.36	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.97	1
Acetone	360	E	ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	6.1	J	ug/kg	10	2.4	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.12	1
Naphthalene	ND		ug/kg	4.2	0.69	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	85	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Tentatively Identified Compounds						
Total TIC Compounds	8.85	J	ug/kg			1
Unknown	2.82	J	ug/kg			1
Unknown	3.38	J	ug/kg			1
Unknown Alkane	2.65	J	ug/kg			1

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

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 19:02
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	260	120	1
1,1-Dichloroethane	ND		ug/kg	51	7.4	1
Chloroform	ND		ug/kg	77	7.2	1
Carbon tetrachloride	ND		ug/kg	51	12.	1
1,2-Dichloropropane	ND		ug/kg	51	6.4	1
Dibromochloromethane	ND		ug/kg	51	7.2	1
1,1,2-Trichloroethane	ND		ug/kg	51	14.	1
Tetrachloroethene	ND		ug/kg	26	10.	1
Chlorobenzene	ND		ug/kg	26	6.5	1
Trichlorofluoromethane	ND		ug/kg	200	36.	1
1,2-Dichloroethane	ND		ug/kg	51	13.	1
1,1,1-Trichloroethane	ND		ug/kg	26	8.6	1
Bromodichloromethane	ND		ug/kg	26	5.6	1
trans-1,3-Dichloropropene	ND		ug/kg	51	14.	1
cis-1,3-Dichloropropene	ND		ug/kg	26	8.1	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	26	8.1	1
Bromoform	ND		ug/kg	200	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	26	8.5	1
Benzene	ND		ug/kg	26	8.5	1
Toluene	ND		ug/kg	51	28.	1
Ethylbenzene	ND		ug/kg	51	7.2	1
Chloromethane	ND		ug/kg	200	48.	1
Bromomethane	ND		ug/kg	100	30.	1
Vinyl chloride	ND		ug/kg	51	17.	1
Chloroethane	ND		ug/kg	100	23.	1
1,1-Dichloroethene	ND		ug/kg	51	12.	1
trans-1,2-Dichloroethene	ND		ug/kg	77	7.0	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	26	7.0	1
1,2-Dichlorobenzene	ND		ug/kg	100	7.4	1
1,3-Dichlorobenzene	ND		ug/kg	100	7.6	1
1,4-Dichlorobenzene	ND		ug/kg	100	8.8	1
Methyl tert butyl ether	ND		ug/kg	100	10.	1
p/m-Xylene	ND		ug/kg	100	29.	1
o-Xylene	ND		ug/kg	51	15.	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	51	9.0	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	100	12.	1
Styrene	ND		ug/kg	51	10.	1
Dichlorodifluoromethane	ND		ug/kg	510	47.	1
Acetone	ND		ug/kg	510	250	1
Carbon disulfide	ND		ug/kg	510	230	1
2-Butanone	ND		ug/kg	510	110	1
Vinyl acetate	ND		ug/kg	510	110	1
4-Methyl-2-pentanone	ND		ug/kg	510	66.	1
1,2,3-Trichloropropane	ND		ug/kg	100	6.5	1
2-Hexanone	ND		ug/kg	510	60.	1
Bromochloromethane	ND		ug/kg	100	10.	1
2,2-Dichloropropane	ND		ug/kg	100	10.	1
1,2-Dibromoethane	ND		ug/kg	51	14.	1
1,3-Dichloropropane	ND		ug/kg	100	8.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	26	6.8	1
Bromobenzene	ND		ug/kg	100	7.4	1
n-Butylbenzene	ND		ug/kg	51	8.6	1
sec-Butylbenzene	ND		ug/kg	51	7.5	1
tert-Butylbenzene	ND		ug/kg	100	6.0	1
o-Chlorotoluene	ND		ug/kg	100	9.8	1
p-Chlorotoluene	ND		ug/kg	100	5.5	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	51.	1
Hexachlorobutadiene	ND		ug/kg	200	8.7	1
Isopropylbenzene	ND		ug/kg	51	5.6	1
p-Isopropyltoluene	ND		ug/kg	51	5.6	1
Naphthalene	ND		ug/kg	200	33.	1
Acrylonitrile	ND		ug/kg	200	59.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	51	8.8	1
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.	1
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.9	1
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.	1
1,4-Dioxane	ND		ug/kg	4100	1800	1
p-Diethylbenzene	ND		ug/kg	100	9.1	1
p-Ethyltoluene	ND		ug/kg	100	20.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.8	1
Ethyl ether	ND		ug/kg	100	17.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	260	73.	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	93		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 22:01
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.15	1
Chloroform	0.17	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	0.46	J	ug/kg	1.6	0.15	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	1.2	J	ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	0.46	J	ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	83		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.8	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.69	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	85	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Tentatively Identified Compounds						
Total TIC Compounds	2.58	J	ug/kg			1
Unknown Alkane	2.58	J	ug/kg			1

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

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 22:27
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	20		ug/kg	7.8	3.6	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.23	1
Chloroform	0.28	J	ug/kg	2.4	0.22	1
Carbon tetrachloride	ND		ug/kg	1.6	0.36	1
1,2-Dichloropropane	ND		ug/kg	1.6	0.20	1
Dibromochloromethane	ND		ug/kg	1.6	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.42	1
Tetrachloroethene	0.36	J	ug/kg	0.78	0.31	1
Chlorobenzene	ND		ug/kg	0.78	0.20	1
Trichlorofluoromethane	ND		ug/kg	6.3	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.40	1
1,1,1-Trichloroethane	ND		ug/kg	0.78	0.26	1
Bromodichloromethane	ND		ug/kg	0.78	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.43	1
cis-1,3-Dichloropropene	ND		ug/kg	0.78	0.25	1
1,3-Dichloropropene, Total	ND		ug/kg	0.78	0.25	1
1,1-Dichloropropene	ND		ug/kg	0.78	0.25	1
Bromoform	ND		ug/kg	6.3	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.78	0.26	1
Benzene	0.78		ug/kg	0.78	0.26	1
Toluene	ND		ug/kg	1.6	0.85	1
Ethylbenzene	ND		ug/kg	1.6	0.22	1
Chloromethane	ND		ug/kg	6.3	1.5	1
Bromomethane	ND		ug/kg	3.1	0.91	1
Vinyl chloride	ND		ug/kg	1.6	0.52	1
Chloroethane	ND		ug/kg	3.1	0.71	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.37	1
trans-1,2-Dichloroethene	0.77	J	ug/kg	2.4	0.21	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.78	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	3.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.1	0.23	1
1,4-Dichlorobenzene	2.8	J	ug/kg	3.1	0.27	1
Methyl tert butyl ether	2.0	J	ug/kg	3.1	0.32	1
p/m-Xylene	ND		ug/kg	3.1	0.88	1
o-Xylene	ND		ug/kg	1.6	0.46	1
Xylenes, Total	ND		ug/kg	1.6	0.46	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.27	1
1,2-Dichloroethene, Total	0.77	J	ug/kg	1.6	0.21	1
Dibromomethane	ND		ug/kg	3.1	0.37	1
Styrene	ND		ug/kg	1.6	0.31	1
Dichlorodifluoromethane	ND		ug/kg	16	1.4	1
Acetone	480	E	ug/kg	16	7.5	1
Carbon disulfide	ND		ug/kg	16	7.1	1
2-Butanone	6.4	J	ug/kg	16	3.5	1
Vinyl acetate	ND		ug/kg	16	3.4	1
4-Methyl-2-pentanone	ND		ug/kg	16	2.0	1
1,2,3-Trichloropropane	ND		ug/kg	3.1	0.20	1
2-Hexanone	ND		ug/kg	16	1.8	1
Bromochloromethane	ND		ug/kg	3.1	0.32	1
2,2-Dichloropropane	ND		ug/kg	3.1	0.32	1
1,2-Dibromoethane	ND		ug/kg	1.6	0.44	1
1,3-Dichloropropane	ND		ug/kg	3.1	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.78	0.21	1
Bromobenzene	ND		ug/kg	3.1	0.23	1
n-Butylbenzene	ND		ug/kg	1.6	0.26	1
sec-Butylbenzene	ND		ug/kg	1.6	0.23	1
tert-Butylbenzene	ND		ug/kg	3.1	0.18	1
o-Chlorotoluene	ND		ug/kg	3.1	0.30	1
p-Chlorotoluene	ND		ug/kg	3.1	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	1.6	1
Hexachlorobutadiene	ND		ug/kg	6.3	0.26	1
Isopropylbenzene	ND		ug/kg	1.6	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.17	1
Naphthalene	ND		ug/kg	6.3	1.0	1
Acrylonitrile	ND		ug/kg	6.3	1.8	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.6	0.27	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.1	0.50	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.1	0.43	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.1	0.30	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.1	0.52	1
1,4-Dioxane	ND		ug/kg	120	55.	1
p-Diethylbenzene	ND		ug/kg	3.1	0.28	1
p-Ethyltoluene	ND		ug/kg	3.1	0.60	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.1	0.30	1
Ethyl ether	ND		ug/kg	3.1	0.53	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.8	2.2	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

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

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 19:28
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	280	130	1
1,1-Dichloroethane	ND		ug/kg	56	8.1	1
Chloroform	ND		ug/kg	84	7.8	1
Carbon tetrachloride	ND		ug/kg	56	13.	1
1,2-Dichloropropane	ND		ug/kg	56	7.0	1
Dibromochloromethane	ND		ug/kg	56	7.8	1
1,1,2-Trichloroethane	ND		ug/kg	56	15.	1
Tetrachloroethene	ND		ug/kg	28	11.	1
Chlorobenzene	ND		ug/kg	28	7.1	1
Trichlorofluoromethane	ND		ug/kg	220	39.	1
1,2-Dichloroethane	ND		ug/kg	56	14.	1
1,1,1-Trichloroethane	ND		ug/kg	28	9.3	1
Bromodichloromethane	ND		ug/kg	28	6.1	1
trans-1,3-Dichloropropene	ND		ug/kg	56	15.	1
cis-1,3-Dichloropropene	ND		ug/kg	28	8.8	1
1,3-Dichloropropene, Total	ND		ug/kg	0.78	0.25	1
1,1-Dichloropropene	ND		ug/kg	28	8.9	1
Bromoform	ND		ug/kg	220	14.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	28	9.3	1
Benzene	9.8	J	ug/kg	28	9.3	1
Toluene	ND		ug/kg	56	30.	1
Ethylbenzene	ND		ug/kg	56	7.9	1
Chloromethane	ND		ug/kg	220	52.	1
Bromomethane	ND		ug/kg	110	32.	1
Vinyl chloride	ND		ug/kg	56	19.	1
Chloroethane	ND		ug/kg	110	25.	1
1,1-Dichloroethene	ND		ug/kg	56	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	84	7.7	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07 Date Collected: 09/11/19 09:40

Client ID: B-9 (3-4) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	28	7.7	1
1,2-Dichlorobenzene	ND		ug/kg	110	8.1	1
1,3-Dichlorobenzene	ND		ug/kg	110	8.3	1
1,4-Dichlorobenzene	12	J	ug/kg	110	9.6	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	ND		ug/kg	110	31.	1
o-Xylene	ND		ug/kg	56	16.	1
Xylenes, Total	ND		ug/kg	1.6	0.46	1
cis-1,2-Dichloroethene	ND		ug/kg	56	9.8	1
1,2-Dichloroethene, Total	ND		ug/kg	1.6	0.21	1
Dibromomethane	ND		ug/kg	110	13.	1
Styrene	ND		ug/kg	56	11.	1
Dichlorodifluoromethane	ND		ug/kg	560	51.	1
Acetone	ND		ug/kg	560	270	1
Carbon disulfide	ND		ug/kg	560	250	1
2-Butanone	ND		ug/kg	560	120	1
Vinyl acetate	ND		ug/kg	560	120	1
4-Methyl-2-pentanone	ND		ug/kg	560	72.	1
1,2,3-Trichloropropane	ND		ug/kg	110	7.1	1
2-Hexanone	ND		ug/kg	560	66.	1
Bromochloromethane	ND		ug/kg	110	11.	1
2,2-Dichloropropane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	56	16.	1
1,3-Dichloropropane	ND		ug/kg	110	9.3	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	28	7.4	1
Bromobenzene	ND		ug/kg	110	8.1	1
n-Butylbenzene	ND		ug/kg	56	9.3	1
sec-Butylbenzene	ND		ug/kg	56	8.2	1
tert-Butylbenzene	ND		ug/kg	110	6.6	1
o-Chlorotoluene	ND		ug/kg	110	11.	1
p-Chlorotoluene	ND		ug/kg	110	6.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	170	56.	1
Hexachlorobutadiene	ND		ug/kg	220	9.5	1
Isopropylbenzene	ND		ug/kg	56	6.1	1
p-Isopropyltoluene	ND		ug/kg	56	6.1	1
Naphthalene	ND		ug/kg	220	36.	1
Acrylonitrile	ND		ug/kg	220	64.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	56	9.6	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	15.	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	11.	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	19.	1
1,4-Dioxane	ND		ug/kg	4500	2000	1
p-Diethylbenzene	ND		ug/kg	110	9.9	1
p-Ethyltoluene	ND		ug/kg	110	21.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	110	11.	1
Ethyl ether	ND		ug/kg	110	19.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	280	80.	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	93		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 22:53
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	0.18	J	ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.95	0.52	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.89	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.23	1
trans-1,2-Dichloroethene	0.41	J	ug/kg	1.4	0.13	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	0.37	J	ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
Xylenes, Total	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.17	1
1,2-Dichloroethene, Total	0.41	J	ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.95	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	270		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.95	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	273	J	ug/kg			1
Unknown	273	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 23:19
Analyst: NLK
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	0.19	J	ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	0.29	J	ug/kg	1.5	0.14	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	0.32	J	ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.29	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	100		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.65	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	80	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	192	J	ug/kg			1
Unknown	192	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 23:45
Analyst: NLK
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.97	0.14	1
Chloroform	0.19	J	ug/kg	1.4	0.14	1
Carbon tetrachloride	ND		ug/kg	0.97	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.97	0.12	1
Dibromochloromethane	ND		ug/kg	0.97	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.97	0.26	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.97	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.97	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.97	0.52	1
Ethylbenzene	ND		ug/kg	0.97	0.14	1
Chloromethane	ND		ug/kg	3.9	0.90	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.97	0.32	1
Chloroethane	ND		ug/kg	1.9	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.97	0.23	1
trans-1,2-Dichloroethene	0.14	J	ug/kg	1.4	0.13	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	0.27	J	ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.97	0.28	1
Xylenes, Total	ND		ug/kg	0.97	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.97	0.17	1
1,2-Dichloroethene, Total	0.14	J	ug/kg	0.97	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.97	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.7	0.88	1
Acetone	82		ug/kg	9.7	4.6	1
Carbon disulfide	ND		ug/kg	9.7	4.4	1
2-Butanone	ND		ug/kg	9.7	2.1	1
Vinyl acetate	ND		ug/kg	9.7	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.7	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.7	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.97	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.97	0.16	1
sec-Butylbenzene	ND		ug/kg	0.97	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.96	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.97	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.97	0.10	1
Naphthalene	ND		ug/kg	3.9	0.63	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.97	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	77	34.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	92.8	J	ug/kg			1
Unknown	92.8	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 00:12
Analyst: NLK
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	0.22	J	ug/kg	1.6	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.97	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	0.34	J	ug/kg	1.6	0.14	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	0.38	J	ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.34	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	220		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	83	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1
Tentatively Identified Compounds						
Total TIC Compounds	70.2	J	ug/kg			1
Unknown Alkane	3.37	J	ug/kg			1
Unknown	66.8	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 00:01
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.7	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.20	1
Chloroform	0.39	J	ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.3	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.17	1
Dibromochloromethane	ND		ug/kg	1.3	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.36	1
Tetrachloroethene	ND		ug/kg	0.67	0.26	1
Chlorobenzene	ND		ug/kg	0.67	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.94	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.67	0.22	1
Bromodichloromethane	ND		ug/kg	0.67	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.67	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.67	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.67	0.21	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.67	0.22	1
Benzene	ND		ug/kg	0.67	0.22	1
Toluene	ND		ug/kg	1.3	0.73	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.4	1.2	1
Bromomethane	ND		ug/kg	2.7	0.78	1
Vinyl chloride	ND		ug/kg	1.3	0.45	1
Chloroethane	ND		ug/kg	2.7	0.61	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	0.47	J	ug/kg	2.0	0.18	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.67	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	0.80	J	ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.75	1
o-Xylene	ND		ug/kg	1.3	0.39	1
Xylenes, Total	ND		ug/kg	1.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.24	1
1,2-Dichloroethene, Total	0.47	J	ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	72		ug/kg	13	6.5	1
Carbon disulfide	ND		ug/kg	13	6.1	1
2-Butanone	ND		ug/kg	13	3.0	1
Vinyl acetate	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.67	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.3	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.15	1
Naphthalene	ND		ug/kg	5.4	0.88	1
Acrylonitrile	ND		ug/kg	5.4	1.5	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1
1,4-Dioxane	ND		ug/kg	110	47.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.52	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.7	1.9	1
Tentatively Identified Compounds						
Total TIC Compounds	77.5	J	ug/kg			1
Ethyl Acetate	77.5	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	102		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 00:27
Analyst: NLK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.89	0.13	1
Chloroform	0.24	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.89	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.89	0.11	1
Dibromochloromethane	ND		ug/kg	0.89	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.89	0.24	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.89	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.89	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.15	1
Benzene	ND		ug/kg	0.44	0.15	1
Toluene	ND		ug/kg	0.89	0.48	1
Ethylbenzene	ND		ug/kg	0.89	0.12	1
Chloromethane	ND		ug/kg	3.6	0.83	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.89	0.30	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.89	0.21	1
trans-1,2-Dichloroethene	0.24	J	ug/kg	1.3	0.12	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.12	J	ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	0.50	J	ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.89	0.26	1
Xylenes, Total	ND		ug/kg	0.89	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.89	0.16	1
1,2-Dichloroethene, Total	0.24	J	ug/kg	0.89	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.89	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.9	0.82	1
Acetone	860	E	ug/kg	8.9	4.3	1
Carbon disulfide	ND		ug/kg	8.9	4.0	1
2-Butanone	ND		ug/kg	8.9	2.0	1
Vinyl acetate	ND		ug/kg	8.9	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.9	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.9	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.89	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.89	0.15	1
sec-Butylbenzene	ND		ug/kg	0.89	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.89	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.89	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.89	0.10	1
Naphthalene	ND		ug/kg	3.6	0.58	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.89	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	71	31.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	205	J	ug/kg			1
Ethyl Acetate	205	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	107		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 19:53
Analyst: NLK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	270	120	1
1,1-Dichloroethane	ND		ug/kg	54	7.9	1
Chloroform	ND		ug/kg	82	7.6	1
Carbon tetrachloride	ND		ug/kg	54	12.	1
1,2-Dichloropropane	ND		ug/kg	54	6.8	1
Dibromochloromethane	ND		ug/kg	54	7.6	1
1,1,2-Trichloroethane	ND		ug/kg	54	14.	1
Tetrachloroethene	ND		ug/kg	27	11.	1
Chlorobenzene	ND		ug/kg	27	6.9	1
Trichlorofluoromethane	ND		ug/kg	220	38.	1
1,2-Dichloroethane	ND		ug/kg	54	14.	1
1,1,1-Trichloroethane	ND		ug/kg	27	9.1	1
Bromodichloromethane	ND		ug/kg	27	5.9	1
trans-1,3-Dichloropropene	ND		ug/kg	54	15.	1
cis-1,3-Dichloropropene	ND		ug/kg	27	8.6	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	27	8.7	1
Bromoform	ND		ug/kg	220	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	27	9.0	1
Benzene	ND		ug/kg	27	9.0	1
Toluene	ND		ug/kg	54	30.	1
Ethylbenzene	ND		ug/kg	54	7.7	1
Chloromethane	ND		ug/kg	220	51.	1
Bromomethane	ND		ug/kg	110	32.	1
Vinyl chloride	ND		ug/kg	54	18.	1
Chloroethane	ND		ug/kg	110	25.	1
1,1-Dichloroethene	ND		ug/kg	54	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	82	7.5	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	27	7.5	1
1,2-Dichlorobenzene	ND		ug/kg	110	7.8	1
1,3-Dichlorobenzene	ND		ug/kg	110	8.1	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.3	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	ND		ug/kg	110	30.	1
o-Xylene	ND		ug/kg	54	16.	1
Xylenes, Total	ND		ug/kg	0.89	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	54	9.5	1
1,2-Dichloroethene, Total	ND		ug/kg	0.89	0.12	1
Dibromomethane	ND		ug/kg	110	13.	1
Styrene	ND		ug/kg	54	11.	1
Dichlorodifluoromethane	ND		ug/kg	540	50.	1
Acetone	ND		ug/kg	540	260	1
Carbon disulfide	ND		ug/kg	540	250	1
2-Butanone	ND		ug/kg	540	120	1
Vinyl acetate	ND		ug/kg	540	120	1
4-Methyl-2-pentanone	ND		ug/kg	540	70.	1
1,2,3-Trichloropropane	ND		ug/kg	110	6.9	1
2-Hexanone	ND		ug/kg	540	64.	1
Bromochloromethane	ND		ug/kg	110	11.	1
2,2-Dichloropropane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	54	15.	1
1,3-Dichloropropane	ND		ug/kg	110	9.1	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	27	7.2	1
Bromobenzene	ND		ug/kg	110	7.9	1
n-Butylbenzene	ND		ug/kg	54	9.1	1
sec-Butylbenzene	ND		ug/kg	54	8.0	1
tert-Butylbenzene	ND		ug/kg	110	6.4	1
o-Chlorotoluene	ND		ug/kg	110	10.	1
p-Chlorotoluene	ND		ug/kg	110	5.9	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	54.	1
Hexachlorobutadiene	ND		ug/kg	220	9.2	1
Isopropylbenzene	ND		ug/kg	54	5.9	1
p-Isopropyltoluene	ND		ug/kg	54	5.9	1
Naphthalene	ND		ug/kg	220	35.	1
Acrylonitrile	ND		ug/kg	220	63.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	54	9.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	15.	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	10.	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	18.	1
1,4-Dioxane	ND		ug/kg	4400	1900	1
p-Diethylbenzene	ND		ug/kg	110	9.6	1
p-Ethyltoluene	ND		ug/kg	110	21.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	110	10.	1
Ethyl ether	ND		ug/kg	110	19.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	270	77.	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	92		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 00:53
Analyst: NLK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	2.2	J	ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.13	1
Chloroform	0.24	J	ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.93	0.50	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	0.48	J	ug/kg	1.4	0.13	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	0.51	J	ug/kg	1.8	0.19	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	0.48	J	ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	780	E	ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.0	1
Vinyl acetate	ND		ug/kg	9.3	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.93	0.15	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.18	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.93	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
1,4-Dioxane	ND		ug/kg	74	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.18	1
Ethyl ether	ND		ug/kg	1.8	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	251	J	ug/kg			1
Ethyl Acetate	251	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	105		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 20:18
Analyst: NLK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	290	130	1
1,1-Dichloroethane	ND		ug/kg	58	8.4	1
Chloroform	ND		ug/kg	87	8.1	1
Carbon tetrachloride	ND		ug/kg	58	13.	1
1,2-Dichloropropane	ND		ug/kg	58	7.2	1
Dibromochloromethane	ND		ug/kg	58	8.1	1
1,1,2-Trichloroethane	ND		ug/kg	58	15.	1
Tetrachloroethene	ND		ug/kg	29	11.	1
Chlorobenzene	ND		ug/kg	29	7.4	1
Trichlorofluoromethane	ND		ug/kg	230	40.	1
1,2-Dichloroethane	ND		ug/kg	58	15.	1
1,1,1-Trichloroethane	ND		ug/kg	29	9.7	1
Bromodichloromethane	ND		ug/kg	29	6.3	1
trans-1,3-Dichloropropene	ND		ug/kg	58	16.	1
cis-1,3-Dichloropropene	ND		ug/kg	29	9.2	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	29	9.2	1
Bromoform	ND		ug/kg	230	14.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	29	9.6	1
Benzene	ND		ug/kg	29	9.6	1
Toluene	ND		ug/kg	58	31.	1
Ethylbenzene	ND		ug/kg	58	8.2	1
Chloromethane	ND		ug/kg	230	54.	1
Bromomethane	ND		ug/kg	120	34.	1
Vinyl chloride	ND		ug/kg	58	19.	1
Chloroethane	ND		ug/kg	120	26.	1
1,1-Dichloroethene	ND		ug/kg	58	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	87	7.9	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	29	7.9	1
1,2-Dichlorobenzene	ND		ug/kg	120	8.3	1
1,3-Dichlorobenzene	ND		ug/kg	120	8.6	1
1,4-Dichlorobenzene	ND		ug/kg	120	9.9	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	ND		ug/kg	120	32.	1
o-Xylene	ND		ug/kg	58	17.	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	58	10.	1
1,2-Dichloroethene, Total	ND		ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	120	14.	1
Styrene	ND		ug/kg	58	11.	1
Dichlorodifluoromethane	ND		ug/kg	580	53.	1
Acetone	ND		ug/kg	580	280	1
Carbon disulfide	ND		ug/kg	580	260	1
2-Butanone	ND		ug/kg	580	130	1
Vinyl acetate	ND		ug/kg	580	120	1
4-Methyl-2-pentanone	ND		ug/kg	580	74.	1
1,2,3-Trichloropropane	ND		ug/kg	120	7.4	1
2-Hexanone	ND		ug/kg	580	68.	1
Bromochloromethane	ND		ug/kg	120	12.	1
2,2-Dichloropropane	ND		ug/kg	120	12.	1
1,2-Dibromoethane	ND		ug/kg	58	16.	1
1,3-Dichloropropane	ND		ug/kg	120	9.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	29	7.6	1
Bromobenzene	ND		ug/kg	120	8.4	1
n-Butylbenzene	ND		ug/kg	58	9.7	1
sec-Butylbenzene	ND		ug/kg	58	8.5	1
tert-Butylbenzene	ND		ug/kg	120	6.8	1
o-Chlorotoluene	ND		ug/kg	120	11.	1
p-Chlorotoluene	ND		ug/kg	120	6.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	170	58.	1
Hexachlorobutadiene	ND		ug/kg	230	9.8	1
Isopropylbenzene	ND		ug/kg	58	6.3	1
p-Isopropyltoluene	ND		ug/kg	58	6.3	1
Naphthalene	ND		ug/kg	230	38.	1
Acrylonitrile	ND		ug/kg	230	67.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	58	9.9	1
1,2,3-Trichlorobenzene	ND		ug/kg	120	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	16.	1
1,3,5-Trimethylbenzene	ND		ug/kg	120	11.	1
1,2,4-Trimethylbenzene	ND		ug/kg	120	19.	1
1,4-Dioxane	ND		ug/kg	4600	2000	1
p-Diethylbenzene	ND		ug/kg	120	10.	1
p-Ethyltoluene	ND		ug/kg	120	22.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	120	11.	1
Ethyl ether	ND		ug/kg	120	20.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	290	82.	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	92		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 20:44
Analyst: NLK
Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.9	4.1	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.26	1
Chloroform	ND		ug/kg	2.7	0.25	1
Carbon tetrachloride	ND		ug/kg	1.8	0.41	1
1,2-Dichloropropane	ND		ug/kg	1.8	0.22	1
Dibromochloromethane	ND		ug/kg	1.8	0.25	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.48	1
Tetrachloroethene	0.54	J	ug/kg	0.89	0.35	1
Chlorobenzene	ND		ug/kg	0.89	0.23	1
Trichlorofluoromethane	ND		ug/kg	7.1	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.46	1
1,1,1-Trichloroethane	ND		ug/kg	0.89	0.30	1
Bromodichloromethane	ND		ug/kg	0.89	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.49	1
cis-1,3-Dichloropropene	ND		ug/kg	0.89	0.28	1
1,3-Dichloropropene, Total	ND		ug/kg	0.89	0.28	1
1,1-Dichloropropene	ND		ug/kg	0.89	0.28	1
Bromoform	ND		ug/kg	7.1	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.89	0.30	1
Benzene	0.79	J	ug/kg	0.89	0.30	1
Toluene	ND		ug/kg	1.8	0.97	1
Ethylbenzene	ND		ug/kg	1.8	0.25	1
Chloromethane	ND		ug/kg	7.1	1.7	1
Bromomethane	ND		ug/kg	3.6	1.0	1
Vinyl chloride	ND		ug/kg	1.8	0.60	1
Chloroethane	ND		ug/kg	3.6	0.81	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.42	1
trans-1,2-Dichloroethene	0.43	J	ug/kg	2.7	0.24	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.89	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	3.6	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	3.6	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	3.6	0.30	1
Methyl tert butyl ether	0.60	J	ug/kg	3.6	0.36	1
p/m-Xylene	ND		ug/kg	3.6	1.0	1
o-Xylene	ND		ug/kg	1.8	0.52	1
Xylenes, Total	ND		ug/kg	1.8	0.52	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.31	1
1,2-Dichloroethene, Total	0.43	J	ug/kg	1.8	0.24	1
Dibromomethane	ND		ug/kg	3.6	0.42	1
Styrene	ND		ug/kg	1.8	0.35	1
Dichlorodifluoromethane	ND		ug/kg	18	1.6	1
Acetone	620	E	ug/kg	18	8.6	1
Carbon disulfide	ND		ug/kg	18	8.1	1
2-Butanone	12	J	ug/kg	18	4.0	1
Vinyl acetate	ND		ug/kg	18	3.8	1
4-Methyl-2-pentanone	ND		ug/kg	18	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	3.6	0.23	1
2-Hexanone	ND		ug/kg	18	2.1	1
Bromochloromethane	ND		ug/kg	3.6	0.37	1
2,2-Dichloropropane	ND		ug/kg	3.6	0.36	1
1,2-Dibromoethane	ND		ug/kg	1.8	0.50	1
1,3-Dichloropropane	ND		ug/kg	3.6	0.30	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.89	0.24	1
Bromobenzene	ND		ug/kg	3.6	0.26	1
n-Butylbenzene	ND		ug/kg	1.8	0.30	1
sec-Butylbenzene	ND		ug/kg	1.8	0.26	1
tert-Butylbenzene	ND		ug/kg	3.6	0.21	1
o-Chlorotoluene	ND		ug/kg	3.6	0.34	1
p-Chlorotoluene	ND		ug/kg	3.6	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	1.8	1
Hexachlorobutadiene	ND		ug/kg	7.1	0.30	1
Isopropylbenzene	ND		ug/kg	1.8	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.19	1
Naphthalene	41		ug/kg	7.1	1.2	1
Acrylonitrile	ND		ug/kg	7.1	2.0	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.8	0.30	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.6	0.58	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.6	0.48	1
1,3,5-Trimethylbenzene	0.51	J	ug/kg	3.6	0.34	1
1,2,4-Trimethylbenzene	0.64	J	ug/kg	3.6	0.60	1
1,4-Dioxane	ND		ug/kg	140	63.	1
p-Diethylbenzene	0.57	J	ug/kg	3.6	0.32	1
p-Ethyltoluene	ND		ug/kg	3.6	0.68	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.6	0.34	1
Ethyl ether	ND		ug/kg	3.6	0.61	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.9	2.5	1
Tentatively Identified Compounds						
Total TIC Compounds	16.4	J	ug/kg			1
Unknown	3.89	J	ug/kg			1
Unknown Aromatic	5.89	J	ug/kg			1
Unknown Aromatic	6.61	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	97		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/18/19 11:08
Analyst: MV
Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	220	100	1
1,1-Dichloroethane	ND		ug/kg	44	6.5	1
Chloroform	ND		ug/kg	67	6.2	1
Carbon tetrachloride	ND		ug/kg	44	10.	1
1,2-Dichloropropane	ND		ug/kg	44	5.6	1
Dibromochloromethane	ND		ug/kg	44	6.2	1
1,1,2-Trichloroethane	ND		ug/kg	44	12.	1
Tetrachloroethene	ND		ug/kg	22	8.7	1
Chlorobenzene	ND		ug/kg	22	5.7	1
Trichlorofluoromethane	ND		ug/kg	180	31.	1
1,2-Dichloroethane	ND		ug/kg	44	11.	1
1,1,1-Trichloroethane	ND		ug/kg	22	7.4	1
Bromodichloromethane	ND		ug/kg	22	4.9	1
trans-1,3-Dichloropropene	ND		ug/kg	44	12.	1
cis-1,3-Dichloropropene	ND		ug/kg	22	7.0	1
1,3-Dichloropropene, Total	ND		ug/kg	22	7.0	1
1,1-Dichloropropene	ND		ug/kg	22	7.1	1
Bromoform	ND		ug/kg	180	11.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	22	7.4	1
Benzene	ND		ug/kg	22	7.4	1
Toluene	ND		ug/kg	44	24.	1
Ethylbenzene	6.6	J	ug/kg	44	6.3	1
Chloromethane	ND		ug/kg	180	42.	1
Bromomethane	ND		ug/kg	89	26.	1
Vinyl chloride	ND		ug/kg	44	15.	1
Chloroethane	ND		ug/kg	89	20.	1
1,1-Dichloroethene	ND		ug/kg	44	11.	1
trans-1,2-Dichloroethene	ND		ug/kg	67	6.1	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	22	6.1	1
1,2-Dichlorobenzene	ND		ug/kg	89	6.4	1
1,3-Dichlorobenzene	ND		ug/kg	89	6.6	1
1,4-Dichlorobenzene	ND		ug/kg	89	7.6	1
Methyl tert butyl ether	ND		ug/kg	89	9.0	1
p/m-Xylene	ND		ug/kg	89	25.	1
o-Xylene	ND		ug/kg	44	13.	1
Xylenes, Total	ND		ug/kg	44	13.	1
cis-1,2-Dichloroethene	ND		ug/kg	44	7.8	1
1,2-Dichloroethene, Total	ND		ug/kg	44	6.1	1
Dibromomethane	ND		ug/kg	89	11.	1
Styrene	ND		ug/kg	44	8.7	1
Dichlorodifluoromethane	ND		ug/kg	440	41.	1
Acetone	ND		ug/kg	440	210	1
Carbon disulfide	ND		ug/kg	440	200	1
2-Butanone	ND		ug/kg	440	99.	1
Vinyl acetate	ND		ug/kg	440	96.	1
4-Methyl-2-pentanone	ND		ug/kg	440	57.	1
1,2,3-Trichloropropane	ND		ug/kg	89	5.7	1
2-Hexanone	ND		ug/kg	440	53.	1
Bromochloromethane	ND		ug/kg	89	9.1	1
2,2-Dichloropropane	ND		ug/kg	89	9.0	1
1,2-Dibromoethane	ND		ug/kg	44	12.	1
1,3-Dichloropropane	ND		ug/kg	89	7.4	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	22	5.9	1
Bromobenzene	ND		ug/kg	89	6.5	1
n-Butylbenzene	ND		ug/kg	44	7.4	1
sec-Butylbenzene	ND		ug/kg	44	6.5	1
tert-Butylbenzene	ND		ug/kg	89	5.3	1
o-Chlorotoluene	ND		ug/kg	89	8.5	1
p-Chlorotoluene	ND		ug/kg	89	4.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	130	44.	1
Hexachlorobutadiene	ND		ug/kg	180	7.5	1
Isopropylbenzene	ND		ug/kg	44	4.9	1
p-Isopropyltoluene	ND		ug/kg	44	4.9	1
Naphthalene	ND		ug/kg	180	29.	1
Acrylonitrile	ND		ug/kg	180	51.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	44	7.6	1
1,2,3-Trichlorobenzene	ND		ug/kg	89	14.	1
1,2,4-Trichlorobenzene	ND		ug/kg	89	12.	1
1,3,5-Trimethylbenzene	ND		ug/kg	89	8.6	1
1,2,4-Trimethylbenzene	ND		ug/kg	89	15.	1
1,4-Dioxane	ND		ug/kg	3600	1600	1
p-Diethylbenzene	ND		ug/kg	89	7.9	1
p-Ethyltoluene	ND		ug/kg	89	17.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	89	8.5	1
Ethyl ether	ND		ug/kg	89	15.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	220	63.	1
Tentatively Identified Compounds						
Total TIC Compounds	150	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	150	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	94		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 21:09
Analyst: NLK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.21	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.18	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	0.25	J	ug/kg	1.6	0.14	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	0.40	J	ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.25	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	490	E	ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1
Tentatively Identified Compounds						
Total TIC Compounds	278	J	ug/kg			1
Ethyl Acetate	278	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	99		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/18/19 11:32
Analyst: MV
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	280	130	1
1,1-Dichloroethane	ND		ug/kg	55	8.0	1
Chloroform	ND		ug/kg	82	7.7	1
Carbon tetrachloride	ND		ug/kg	55	13.	1
1,2-Dichloropropane	ND		ug/kg	55	6.9	1
Dibromochloromethane	ND		ug/kg	55	7.7	1
1,1,2-Trichloroethane	ND		ug/kg	55	15.	1
Tetrachloroethene	ND		ug/kg	28	11.	1
Chlorobenzene	ND		ug/kg	28	7.0	1
Trichlorofluoromethane	ND		ug/kg	220	38.	1
1,2-Dichloroethane	ND		ug/kg	55	14.	1
1,1,1-Trichloroethane	ND		ug/kg	28	9.2	1
Bromodichloromethane	ND		ug/kg	28	6.0	1
trans-1,3-Dichloropropene	ND		ug/kg	55	15.	1
cis-1,3-Dichloropropene	ND		ug/kg	28	8.7	1
1,3-Dichloropropene, Total	ND		ug/kg	28	8.7	1
1,1-Dichloropropene	ND		ug/kg	28	8.8	1
Bromoform	ND		ug/kg	220	14.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	28	9.1	1
Benzene	ND		ug/kg	28	9.1	1
Toluene	ND		ug/kg	55	30.	1
Ethylbenzene	ND		ug/kg	55	7.8	1
Chloromethane	ND		ug/kg	220	51.	1
Bromomethane	ND		ug/kg	110	32.	1
Vinyl chloride	ND		ug/kg	55	18.	1
Chloroethane	ND		ug/kg	110	25.	1
1,1-Dichloroethene	ND		ug/kg	55	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	82	7.5	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	28	7.5	1
1,2-Dichlorobenzene	ND		ug/kg	110	7.9	1
1,3-Dichlorobenzene	ND		ug/kg	110	8.1	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.4	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	ND		ug/kg	110	31.	1
o-Xylene	ND		ug/kg	55	16.	1
Xylenes, Total	ND		ug/kg	55	16.	1
cis-1,2-Dichloroethene	ND		ug/kg	55	9.6	1
1,2-Dichloroethene, Total	ND		ug/kg	55	7.5	1
Dibromomethane	ND		ug/kg	110	13.	1
Styrene	ND		ug/kg	55	11.	1
Dichlorodifluoromethane	ND		ug/kg	550	50.	1
Acetone	ND		ug/kg	550	260	1
Carbon disulfide	ND		ug/kg	550	250	1
2-Butanone	ND		ug/kg	550	120	1
Vinyl acetate	ND		ug/kg	550	120	1
4-Methyl-2-pentanone	ND		ug/kg	550	70.	1
1,2,3-Trichloropropane	ND		ug/kg	110	7.0	1
2-Hexanone	ND		ug/kg	550	65.	1
Bromochloromethane	ND		ug/kg	110	11.	1
2,2-Dichloropropane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	55	15.	1
1,3-Dichloropropane	ND		ug/kg	110	9.2	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	28	7.3	1
Bromobenzene	ND		ug/kg	110	8.0	1
n-Butylbenzene	ND		ug/kg	55	9.2	1
sec-Butylbenzene	ND		ug/kg	55	8.0	1
tert-Butylbenzene	ND		ug/kg	110	6.5	1
o-Chlorotoluene	ND		ug/kg	110	10.	1
p-Chlorotoluene	ND		ug/kg	110	5.9	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	55.	1
Hexachlorobutadiene	ND		ug/kg	220	9.3	1
Isopropylbenzene	ND		ug/kg	55	6.0	1
p-Isopropyltoluene	ND		ug/kg	55	6.0	1
Naphthalene	ND		ug/kg	220	36.	1
Acrylonitrile	ND		ug/kg	220	63.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	55	9.4	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	15.	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	11.	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	18.	1
1,4-Dioxane	ND		ug/kg	4400	1900	1
p-Diethylbenzene	ND		ug/kg	110	9.7	1
p-Ethyltoluene	ND		ug/kg	110	21.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	110	10.	1
Ethyl ether	ND		ug/kg	110	19.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	280	78.	1
Tentatively Identified Compounds						
Total TIC Compounds	283	J	ug/kg			1
Unknown	125	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	158	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	92		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 21:35
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.8	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.94	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17 Date Collected: 09/11/19 00:00

Client ID: DUP Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	0.31	J	ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	530	E	ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	ND		ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.8	0.61	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	75	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	223	J	ug/kg			1
Ethyl Acetate	211	NJ	ug/kg			1
iso-Propyl Alcohol	12.2	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	99		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/18/19 11:56
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	230	110	1
1,1-Dichloroethane	ND		ug/kg	46	6.7	1
Chloroform	ND		ug/kg	70	6.5	1
Carbon tetrachloride	ND		ug/kg	46	11.	1
1,2-Dichloropropane	ND		ug/kg	46	5.8	1
Dibromochloromethane	ND		ug/kg	46	6.5	1
1,1,2-Trichloroethane	ND		ug/kg	46	12.	1
Tetrachloroethene	ND		ug/kg	23	9.1	1
Chlorobenzene	ND		ug/kg	23	5.9	1
Trichlorofluoromethane	ND		ug/kg	190	32.	1
1,2-Dichloroethane	ND		ug/kg	46	12.	1
1,1,1-Trichloroethane	ND		ug/kg	23	7.8	1
Bromodichloromethane	ND		ug/kg	23	5.1	1
trans-1,3-Dichloropropene	ND		ug/kg	46	13.	1
cis-1,3-Dichloropropene	ND		ug/kg	23	7.4	1
1,3-Dichloropropene, Total	ND		ug/kg	23	7.4	1
1,1-Dichloropropene	ND		ug/kg	23	7.4	1
Bromoform	ND		ug/kg	190	11.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	23	7.7	1
Benzene	ND		ug/kg	23	7.7	1
Toluene	ND		ug/kg	46	25.	1
Ethylbenzene	ND		ug/kg	46	6.6	1
Chloromethane	ND		ug/kg	190	43.	1
Bromomethane	ND		ug/kg	93	27.	1
Vinyl chloride	ND		ug/kg	46	16.	1
Chloroethane	ND		ug/kg	93	21.	1
1,1-Dichloroethene	ND		ug/kg	46	11.	1
trans-1,2-Dichloroethene	ND		ug/kg	70	6.4	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17 Date Collected: 09/11/19 00:00

Client ID: DUP Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	7.7	J	ug/kg	23	6.4	1
1,2-Dichlorobenzene	ND		ug/kg	93	6.7	1
1,3-Dichlorobenzene	ND		ug/kg	93	6.9	1
1,4-Dichlorobenzene	ND		ug/kg	93	8.0	1
Methyl tert butyl ether	ND		ug/kg	93	9.4	1
p/m-Xylene	ND		ug/kg	93	26.	1
o-Xylene	ND		ug/kg	46	14.	1
Xylenes, Total	ND		ug/kg	46	14.	1
cis-1,2-Dichloroethene	ND		ug/kg	46	8.1	1
1,2-Dichloroethene, Total	ND		ug/kg	46	6.4	1
Dibromomethane	ND		ug/kg	93	11.	1
Styrene	ND		ug/kg	46	9.1	1
Dichlorodifluoromethane	ND		ug/kg	460	42.	1
Acetone	ND		ug/kg	460	220	1
Carbon disulfide	ND		ug/kg	460	210	1
2-Butanone	ND		ug/kg	460	100	1
Vinyl acetate	ND		ug/kg	460	100	1
4-Methyl-2-pentanone	ND		ug/kg	460	60.	1
1,2,3-Trichloropropane	ND		ug/kg	93	5.9	1
2-Hexanone	ND		ug/kg	460	55.	1
Bromochloromethane	ND		ug/kg	93	9.5	1
2,2-Dichloropropane	ND		ug/kg	93	9.4	1
1,2-Dibromoethane	ND		ug/kg	46	13.	1
1,3-Dichloropropane	ND		ug/kg	93	7.8	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	23	6.1	1
Bromobenzene	ND		ug/kg	93	6.7	1
n-Butylbenzene	ND		ug/kg	46	7.8	1
sec-Butylbenzene	ND		ug/kg	46	6.8	1
tert-Butylbenzene	ND		ug/kg	93	5.5	1
o-Chlorotoluene	ND		ug/kg	93	8.9	1
p-Chlorotoluene	ND		ug/kg	93	5.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	140	46.	1
Hexachlorobutadiene	ND		ug/kg	190	7.9	1
Isopropylbenzene	ND		ug/kg	46	5.1	1
p-Isopropyltoluene	ND		ug/kg	46	5.1	1
Naphthalene	ND		ug/kg	190	30.	1
Acrylonitrile	ND		ug/kg	190	54.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	46	8.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	93	15.	1
1,2,4-Trichlorobenzene	ND		ug/kg	93	13.	1
1,3,5-Trimethylbenzene	ND		ug/kg	93	9.0	1
1,2,4-Trimethylbenzene	ND		ug/kg	93	16.	1
1,4-Dioxane	ND		ug/kg	3700	1600	1
p-Diethylbenzene	ND		ug/kg	93	8.2	1
p-Ethyltoluene	ND		ug/kg	93	18.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	93	8.9	1
Ethyl ether	ND		ug/kg	93	16.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	230	66.	1
Tentatively Identified Compounds						
Total TIC Compounds	120	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	120	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	93		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 16:22
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,05-11 Batch: WG1284995-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.19	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 16:22
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,05-11 Batch: WG1284995-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 16:22
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,05-11 Batch: WG1284995-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 16:22
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,05-11 Batch: WG1284995-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	99		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1285064-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	12	J	ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1285064-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1285064-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1285064-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	102		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 12-14 Batch: WG1285068-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.23	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 12-14 Batch: WG1285068-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 12-14 Batch: WG1285068-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 17:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 12-14 Batch: WG1285068-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	102		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02,05,07,13-14 Batch: WG1285570-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02,05,07,13-14 Batch: WG1285570-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02,05,07,13-14 Batch: WG1285570-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02,05,07,13-14 Batch: WG1285570-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	94		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 15-17 Batch: WG1285572-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 15-17 Batch: WG1285572-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 15-17 Batch: WG1285572-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 15-17 Batch: WG1285572-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	94		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 07:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15-17 Batch: WG1285600-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	7.0	J	ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	30	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 07:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15-17 Batch: WG1285600-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 07:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15-17 Batch: WG1285600-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Tentatively Identified Compounds

Total TIC Compounds	349	J	ug/kg
Unknown	103	J	ug/kg
Cyclotrisiloxane, Hexamethyl-	116	NJ	ug/kg
Unknown	130	J	ug/kg

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 07:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15-17 Batch: WG1285600-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	91		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,05-11 Batch: WG1284995-3 WG1284995-4								
Methylene chloride	83		98		70-130	17		30
1,1-Dichloroethane	97		95		70-130	2		30
Chloroform	93		94		70-130	1		30
Carbon tetrachloride	100		100		70-130	0		30
1,2-Dichloropropane	95		95		70-130	0		30
Dibromochloromethane	95		93		70-130	2		30
1,1,2-Trichloroethane	92		91		70-130	1		30
Tetrachloroethene	99		98		70-130	1		30
Chlorobenzene	93		92		70-130	1		30
Trichlorofluoromethane	100		98		70-139	2		30
1,2-Dichloroethane	95		94		70-130	1		30
1,1,1-Trichloroethane	99		99		70-130	0		30
Bromodichloromethane	97		96		70-130	1		30
trans-1,3-Dichloropropene	100		97		70-130	3		30
cis-1,3-Dichloropropene	100		100		70-130	0		30
1,1-Dichloropropene	99		99		70-130	0		30
Bromoform	93		92		70-130	1		30
1,1,2,2-Tetrachloroethane	89		87		70-130	2		30
Benzene	96		94		70-130	2		30
Toluene	95		94		70-130	1		30
Ethylbenzene	95		95		70-130	0		30
Chloromethane	97		94		52-130	3		30
Bromomethane	108		85		57-147	24		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,05-11 Batch: WG1284995-3 WG1284995-4								
Vinyl chloride	96		94		67-130	2		30
Chloroethane	102		101		50-151	1		30
1,1-Dichloroethene	96		96		65-135	0		30
trans-1,2-Dichloroethene	98		96		70-130	2		30
Trichloroethene	98		97		70-130	1		30
1,2-Dichlorobenzene	91		91		70-130	0		30
1,3-Dichlorobenzene	93		92		70-130	1		30
1,4-Dichlorobenzene	90		92		70-130	2		30
Methyl tert butyl ether	97		92		66-130	5		30
p/m-Xylene	97		97		70-130	0		30
o-Xylene	94		94		70-130	0		30
cis-1,2-Dichloroethene	97		97		70-130	0		30
Dibromomethane	97		96		70-130	1		30
Styrene	96		97		70-130	1		30
Dichlorodifluoromethane	99		99		30-146	0		30
Acetone	108		97		54-140	11		30
Carbon disulfide	94		93		59-130	1		30
2-Butanone	98		84		70-130	15		30
Vinyl acetate	103		99		70-130	4		30
4-Methyl-2-pentanone	104		98		70-130	6		30
1,2,3-Trichloropropane	88		87		68-130	1		30
2-Hexanone	102		97		70-130	5		30
Bromochloromethane	98		95		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,05-11 Batch: WG1284995-3 WG1284995-4								
2,2-Dichloropropane	100		99		70-130	1		30
1,2-Dibromoethane	95		92		70-130	3		30
1,3-Dichloropropane	94		91		69-130	3		30
1,1,1,2-Tetrachloroethane	95		95		70-130	0		30
Bromobenzene	90		90		70-130	0		30
n-Butylbenzene	95		97		70-130	2		30
sec-Butylbenzene	93		94		70-130	1		30
tert-Butylbenzene	92		93		70-130	1		30
o-Chlorotoluene	91		92		70-130	1		30
p-Chlorotoluene	90		92		70-130	2		30
1,2-Dibromo-3-chloropropane	96		91		68-130	5		30
Hexachlorobutadiene	93		94		67-130	1		30
Isopropylbenzene	92		94		70-130	2		30
p-Isopropyltoluene	94		95		70-130	1		30
Naphthalene	91		89		70-130	2		30
Acrylonitrile	107		95		70-130	12		30
n-Propylbenzene	94		94		70-130	0		30
1,2,3-Trichlorobenzene	93		93		70-130	0		30
1,2,4-Trichlorobenzene	97		96		70-130	1		30
1,3,5-Trimethylbenzene	92		93		70-130	1		30
1,2,4-Trimethylbenzene	92		93		70-130	1		30
1,4-Dioxane	110		91		65-136	19		30
p-Diethylbenzene	94		96		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,05-11 Batch: WG1284995-3 WG1284995-4								
p-Ethyltoluene	93		95		70-130	2		30
1,2,4,5-Tetramethylbenzene	95		96		70-130	1		30
Ethyl ether	95		94		67-130	1		30
trans-1,4-Dichloro-2-butene	102		103		70-130	1		30

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1285064-3 WG1285064-4								
Methylene chloride	83		83		70-130	0		30
1,1-Dichloroethane	95		94		70-130	1		30
Chloroform	102		106		70-130	4		30
Carbon tetrachloride	110		110		70-130	0		30
1,2-Dichloropropane	96		96		70-130	0		30
Dibromochloromethane	96		94		70-130	2		30
1,1,2-Trichloroethane	92		94		70-130	2		30
Tetrachloroethene	92		93		70-130	1		30
Chlorobenzene	90		88		70-130	2		30
Trichlorofluoromethane	117		114		70-139	3		30
1,2-Dichloroethane	112		114		70-130	2		30
1,1,1-Trichloroethane	106		106		70-130	0		30
Bromodichloromethane	103		104		70-130	1		30
trans-1,3-Dichloropropene	95		95		70-130	0		30
cis-1,3-Dichloropropene	98		98		70-130	0		30
1,1-Dichloropropene	98		96		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	84		82		70-130	2		30
Benzene	92		91		70-130	1		30
Toluene	91		90		70-130	1		30
Ethylbenzene	94		93		70-130	1		30
Chloromethane	79		78		52-130	1		30
Bromomethane	73		74		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1285064-3 WG1285064-4								
Vinyl chloride	69		67		67-130	3		30
Chloroethane	71		71		50-151	0		30
1,1-Dichloroethene	74		75		65-135	1		30
trans-1,2-Dichloroethene	83		84		70-130	1		30
Trichloroethene	97		97		70-130	0		30
1,2-Dichlorobenzene	87		87		70-130	0		30
1,3-Dichlorobenzene	87		87		70-130	0		30
1,4-Dichlorobenzene	87		86		70-130	1		30
Methyl tert butyl ether	92		93		66-130	1		30
p/m-Xylene	92		91		70-130	1		30
o-Xylene	92		89		70-130	3		30
cis-1,2-Dichloroethene	91		91		70-130	0		30
Dibromomethane	104		107		70-130	3		30
Styrene	91		90		70-130	1		30
Dichlorodifluoromethane	75		74		30-146	1		30
Acetone	103		103		54-140	0		30
Carbon disulfide	73		73		59-130	0		30
2-Butanone	100		92		70-130	8		30
Vinyl acetate	90		91		70-130	1		30
4-Methyl-2-pentanone	85		81		70-130	5		30
1,2,3-Trichloropropane	91		90		68-130	1		30
2-Hexanone	76		75		70-130	1		30
Bromochloromethane	95		94		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1285064-3 WG1285064-4								
2,2-Dichloropropane	100		103		70-130	3		30
1,2-Dibromoethane	94		91		70-130	3		30
1,3-Dichloropropane	94		91		69-130	3		30
1,1,1,2-Tetrachloroethane	91		90		70-130	1		30
Bromobenzene	83		83		70-130	0		30
n-Butylbenzene	90		90		70-130	0		30
sec-Butylbenzene	84		84		70-130	0		30
tert-Butylbenzene	81		81		70-130	0		30
o-Chlorotoluene	86		83		70-130	4		30
p-Chlorotoluene	86		84		70-130	2		30
1,2-Dibromo-3-chloropropane	84		88		68-130	5		30
Hexachlorobutadiene	90		88		67-130	2		30
Isopropylbenzene	81		80		70-130	1		30
p-Isopropyltoluene	84		83		70-130	1		30
Naphthalene	78		78		70-130	0		30
Acrylonitrile	89		87		70-130	2		30
n-Propylbenzene	86		84		70-130	2		30
1,2,3-Trichlorobenzene	88		88		70-130	0		30
1,2,4-Trichlorobenzene	88		88		70-130	0		30
1,3,5-Trimethylbenzene	85		82		70-130	4		30
1,2,4-Trimethylbenzene	84		84		70-130	0		30
1,4-Dioxane	119		93		65-136	25		30
p-Diethylbenzene	83		82		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1285064-3 WG1285064-4								
p-Ethyltoluene	84		83		70-130	1		30
1,2,4,5-Tetramethylbenzene	82		80		70-130	2		30
Ethyl ether	70		69		67-130	1		30
trans-1,4-Dichloro-2-butene	86		85		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		112		70-130
Toluene-d8	92		91		70-130
4-Bromofluorobenzene	87		85		70-130
Dibromofluoromethane	100		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 12-14 Batch: WG1285068-3 WG1285068-4								
Methylene chloride	83		83		70-130	0		30
1,1-Dichloroethane	95		94		70-130	1		30
Chloroform	102		106		70-130	4		30
Carbon tetrachloride	110		110		70-130	0		30
1,2-Dichloropropane	96		96		70-130	0		30
Dibromochloromethane	96		94		70-130	2		30
1,1,2-Trichloroethane	92		94		70-130	2		30
Tetrachloroethene	92		93		70-130	1		30
Chlorobenzene	90		88		70-130	2		30
Trichlorofluoromethane	117		114		70-139	3		30
1,2-Dichloroethane	112		114		70-130	2		30
1,1,1-Trichloroethane	106		106		70-130	0		30
Bromodichloromethane	103		104		70-130	1		30
trans-1,3-Dichloropropene	95		95		70-130	0		30
cis-1,3-Dichloropropene	98		98		70-130	0		30
1,1-Dichloropropene	98		96		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	84		82		70-130	2		30
Benzene	92		91		70-130	1		30
Toluene	91		90		70-130	1		30
Ethylbenzene	94		93		70-130	1		30
Chloromethane	79		78		52-130	1		30
Bromomethane	73		74		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 12-14 Batch: WG1285068-3 WG1285068-4								
Vinyl chloride	69		67		67-130	3		30
Chloroethane	71		71		50-151	0		30
1,1-Dichloroethene	74		75		65-135	1		30
trans-1,2-Dichloroethene	83		84		70-130	1		30
Trichloroethene	97		97		70-130	0		30
1,2-Dichlorobenzene	87		87		70-130	0		30
1,3-Dichlorobenzene	87		87		70-130	0		30
1,4-Dichlorobenzene	87		86		70-130	1		30
Methyl tert butyl ether	92		93		66-130	1		30
p/m-Xylene	92		91		70-130	1		30
o-Xylene	92		89		70-130	3		30
cis-1,2-Dichloroethene	91		91		70-130	0		30
Dibromomethane	104		107		70-130	3		30
Styrene	91		90		70-130	1		30
Dichlorodifluoromethane	75		74		30-146	1		30
Acetone	103		103		54-140	0		30
Carbon disulfide	73		73		59-130	0		30
2-Butanone	100		92		70-130	8		30
Vinyl acetate	90		91		70-130	1		30
4-Methyl-2-pentanone	85		81		70-130	5		30
1,2,3-Trichloropropane	91		90		68-130	1		30
2-Hexanone	76		75		70-130	1		30
Bromochloromethane	95		94		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 12-14 Batch: WG1285068-3 WG1285068-4								
2,2-Dichloropropane	100		103		70-130	3		30
1,2-Dibromoethane	94		91		70-130	3		30
1,3-Dichloropropane	94		91		69-130	3		30
1,1,1,2-Tetrachloroethane	91		90		70-130	1		30
Bromobenzene	83		83		70-130	0		30
n-Butylbenzene	90		90		70-130	0		30
sec-Butylbenzene	84		84		70-130	0		30
tert-Butylbenzene	81		81		70-130	0		30
o-Chlorotoluene	86		83		70-130	4		30
p-Chlorotoluene	86		84		70-130	2		30
1,2-Dibromo-3-chloropropane	84		88		68-130	5		30
Hexachlorobutadiene	90		88		67-130	2		30
Isopropylbenzene	81		80		70-130	1		30
p-Isopropyltoluene	84		83		70-130	1		30
Naphthalene	78		78		70-130	0		30
Acrylonitrile	89		87		70-130	2		30
n-Propylbenzene	86		84		70-130	2		30
1,2,3-Trichlorobenzene	88		88		70-130	0		30
1,2,4-Trichlorobenzene	88		88		70-130	0		30
1,3,5-Trimethylbenzene	85		82		70-130	4		30
1,2,4-Trimethylbenzene	84		84		70-130	0		30
1,4-Dioxane	119		93		65-136	25		30
p-Diethylbenzene	83		82		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 12-14 Batch: WG1285068-3 WG1285068-4								
p-Ethyltoluene	84		83		70-130	1		30
1,2,4,5-Tetramethylbenzene	82		80		70-130	2		30
Ethyl ether	70		69		67-130	1		30
trans-1,4-Dichloro-2-butene	86		85		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		112		70-130
Toluene-d8	91		91		70-130
4-Bromofluorobenzene	87		85		70-130
Dibromofluoromethane	100		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02,05,07,13-14 Batch: WG1285570-3 WG1285570-4								
Methylene chloride	96		95		70-130	1		30
1,1-Dichloroethane	92		91		70-130	1		30
Chloroform	102		100		70-130	2		30
Carbon tetrachloride	94		92		70-130	2		30
1,2-Dichloropropane	98		97		70-130	1		30
Dibromochloromethane	95		93		70-130	2		30
1,1,2-Trichloroethane	94		91		70-130	3		30
Tetrachloroethene	100		98		70-130	2		30
Chlorobenzene	93		93		70-130	0		30
Trichlorofluoromethane	82		82		70-139	0		30
1,2-Dichloroethane	96		95		70-130	1		30
1,1,1-Trichloroethane	93		93		70-130	0		30
Bromodichloromethane	95		94		70-130	1		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	101		99		70-130	2		30
1,1-Dichloropropene	93		94		70-130	1		30
Bromoform	96		95		70-130	1		30
1,1,2,2-Tetrachloroethane	90		86		70-130	5		30
Benzene	97		95		70-130	2		30
Toluene	93		92		70-130	1		30
Ethylbenzene	94		94		70-130	0		30
Chloromethane	90		89		52-130	1		30
Bromomethane	87		87		57-147	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02,05,07,13-14 Batch: WG1285570-3 WG1285570-4								
Vinyl chloride	81		78		67-130	4		30
Chloroethane	81		82		50-151	1		30
1,1-Dichloroethene	90		88		65-135	2		30
trans-1,2-Dichloroethene	95		95		70-130	0		30
Trichloroethene	96		94		70-130	2		30
1,2-Dichlorobenzene	95		95		70-130	0		30
1,3-Dichlorobenzene	96		95		70-130	1		30
1,4-Dichlorobenzene	99		99		70-130	0		30
Methyl tert butyl ether	93		90		66-130	3		30
p/m-Xylene	96		97		70-130	1		30
o-Xylene	96		96		70-130	0		30
cis-1,2-Dichloroethene	97		97		70-130	0		30
Dibromomethane	98		98		70-130	0		30
Styrene	101		100		70-130	1		30
Dichlorodifluoromethane	82		81		30-146	1		30
Acetone	96		88		54-140	9		30
Carbon disulfide	89		88		59-130	1		30
2-Butanone	77		75		70-130	3		30
Vinyl acetate	88		84		70-130	5		30
4-Methyl-2-pentanone	101		96		70-130	5		30
1,2,3-Trichloropropane	87		84		68-130	4		30
2-Hexanone	90		88		70-130	2		30
Bromochloromethane	102		100		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02,05,07,13-14 Batch: WG1285570-3 WG1285570-4								
2,2-Dichloropropane	92		92		70-130	0		30
1,2-Dibromoethane	97		94		70-130	3		30
1,3-Dichloropropane	92		90		69-130	2		30
1,1,1,2-Tetrachloroethane	96		96		70-130	0		30
Bromobenzene	94		94		70-130	0		30
n-Butylbenzene	90		91		70-130	1		30
sec-Butylbenzene	90		90		70-130	0		30
tert-Butylbenzene	92		91		70-130	1		30
o-Chlorotoluene	99		93		70-130	6		30
p-Chlorotoluene	90		88		70-130	2		30
1,2-Dibromo-3-chloropropane	100		96		68-130	4		30
Hexachlorobutadiene	95		96		67-130	1		30
Isopropylbenzene	90		90		70-130	0		30
p-Isopropyltoluene	93		93		70-130	0		30
Naphthalene	97		92		70-130	5		30
Acrylonitrile	101		97		70-130	4		30
n-Propylbenzene	89		89		70-130	0		30
1,2,3-Trichlorobenzene	101		98		70-130	3		30
1,2,4-Trichlorobenzene	103		100		70-130	3		30
1,3,5-Trimethylbenzene	92		91		70-130	1		30
1,2,4-Trimethylbenzene	94		93		70-130	1		30
1,4-Dioxane	102		95		65-136	7		30
p-Diethylbenzene	96		95		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02,05,07,13-14 Batch: WG1285570-3 WG1285570-4								
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		95		70-130	1		30
Ethyl ether	89		88		67-130	1		30
trans-1,4-Dichloro-2-butene	85		82		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		87		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 15-17 Batch: WG1285572-3 WG1285572-4								
Methylene chloride	96		95		70-130	1		30
1,1-Dichloroethane	92		91		70-130	1		30
Chloroform	102		100		70-130	2		30
Carbon tetrachloride	94		92		70-130	2		30
1,2-Dichloropropane	98		97		70-130	1		30
Dibromochloromethane	95		93		70-130	2		30
1,1,2-Trichloroethane	94		91		70-130	3		30
Tetrachloroethene	100		98		70-130	2		30
Chlorobenzene	93		93		70-130	0		30
Trichlorofluoromethane	82		82		70-139	0		30
1,2-Dichloroethane	96		95		70-130	1		30
1,1,1-Trichloroethane	93		93		70-130	0		30
Bromodichloromethane	95		94		70-130	1		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	101		99		70-130	2		30
1,1-Dichloropropene	93		94		70-130	1		30
Bromoform	96		95		70-130	1		30
1,1,2,2-Tetrachloroethane	90		86		70-130	5		30
Benzene	97		95		70-130	2		30
Toluene	93		92		70-130	1		30
Ethylbenzene	94		94		70-130	0		30
Chloromethane	90		89		52-130	1		30
Bromomethane	87		87		57-147	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 15-17 Batch: WG1285572-3 WG1285572-4								
Vinyl chloride	81		78		67-130	4		30
Chloroethane	81		82		50-151	1		30
1,1-Dichloroethene	90		88		65-135	2		30
trans-1,2-Dichloroethene	95		95		70-130	0		30
Trichloroethene	96		94		70-130	2		30
1,2-Dichlorobenzene	95		95		70-130	0		30
1,3-Dichlorobenzene	96		95		70-130	1		30
1,4-Dichlorobenzene	99		99		70-130	0		30
Methyl tert butyl ether	93		90		66-130	3		30
p/m-Xylene	96		97		70-130	1		30
o-Xylene	96		96		70-130	0		30
cis-1,2-Dichloroethene	97		97		70-130	0		30
Dibromomethane	98		98		70-130	0		30
Styrene	101		100		70-130	1		30
Dichlorodifluoromethane	82		81		30-146	1		30
Acetone	96		88		54-140	9		30
Carbon disulfide	89		88		59-130	1		30
2-Butanone	77		75		70-130	3		30
Vinyl acetate	88		84		70-130	5		30
4-Methyl-2-pentanone	101		96		70-130	5		30
1,2,3-Trichloropropane	87		84		68-130	4		30
2-Hexanone	90		88		70-130	2		30
Bromochloromethane	102		100		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 15-17 Batch: WG1285572-3 WG1285572-4								
2,2-Dichloropropane	92		92		70-130	0		30
1,2-Dibromoethane	97		94		70-130	3		30
1,3-Dichloropropane	92		90		69-130	2		30
1,1,1,2-Tetrachloroethane	96		96		70-130	0		30
Bromobenzene	94		94		70-130	0		30
n-Butylbenzene	90		91		70-130	1		30
sec-Butylbenzene	90		90		70-130	0		30
tert-Butylbenzene	92		91		70-130	1		30
o-Chlorotoluene	99		93		70-130	6		30
p-Chlorotoluene	90		88		70-130	2		30
1,2-Dibromo-3-chloropropane	100		96		68-130	4		30
Hexachlorobutadiene	95		96		67-130	1		30
Isopropylbenzene	90		90		70-130	0		30
p-Isopropyltoluene	93		93		70-130	0		30
Naphthalene	97		92		70-130	5		30
Acrylonitrile	101		97		70-130	4		30
n-Propylbenzene	89		89		70-130	0		30
1,2,3-Trichlorobenzene	101		98		70-130	3		30
1,2,4-Trichlorobenzene	103		100		70-130	3		30
1,3,5-Trimethylbenzene	92		91		70-130	1		30
1,2,4-Trimethylbenzene	94		93		70-130	1		30
1,4-Dioxane	102		95		65-136	7		30
p-Diethylbenzene	96		95		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 15-17 Batch: WG1285572-3 WG1285572-4								
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		95		70-130	1		30
Ethyl ether	89		88		67-130	1		30
trans-1,4-Dichloro-2-butene	85		82		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		87		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-17 Batch: WG1285600-3 WG1285600-4								
Methylene chloride	80		84		70-130	5		30
1,1-Dichloroethane	91		96		70-130	5		30
Chloroform	91		96		70-130	5		30
Carbon tetrachloride	92		98		70-130	6		30
1,2-Dichloropropane	91		95		70-130	4		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	86		87		70-130	1		30
Tetrachloroethene	90		93		70-130	3		30
Chlorobenzene	89		92		70-130	3		30
Trichlorofluoromethane	94		100		70-139	6		30
1,2-Dichloroethane	92		96		70-130	4		30
1,1,1-Trichloroethane	93		100		70-130	7		30
Bromodichloromethane	92		96		70-130	4		30
trans-1,3-Dichloropropene	91		91		70-130	0		30
cis-1,3-Dichloropropene	89		94		70-130	5		30
1,1-Dichloropropene	90		97		70-130	7		30
Bromoform	80		82		70-130	2		30
1,1,2,2-Tetrachloroethane	87		90		70-130	3		30
Benzene	88		93		70-130	6		30
Toluene	87		90		70-130	3		30
Ethylbenzene	89		94		70-130	5		30
Chloromethane	109		115		52-130	5		30
Bromomethane	85		87		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-17 Batch: WG1285600-3 WG1285600-4								
Vinyl chloride	92		100		67-130	8		30
Chloroethane	84		87		50-151	4		30
1,1-Dichloroethene	89		94		65-135	5		30
trans-1,2-Dichloroethene	88		93		70-130	6		30
Trichloroethene	89		94		70-130	5		30
1,2-Dichlorobenzene	86		91		70-130	6		30
1,3-Dichlorobenzene	89		93		70-130	4		30
1,4-Dichlorobenzene	88		92		70-130	4		30
Methyl tert butyl ether	84		87		66-130	4		30
p/m-Xylene	91		94		70-130	3		30
o-Xylene	89		92		70-130	3		30
cis-1,2-Dichloroethene	87		92		70-130	6		30
Dibromomethane	88		90		70-130	2		30
Styrene	89		92		70-130	3		30
Dichlorodifluoromethane	98		104		30-146	6		30
Acetone	112		116		54-140	4		30
Carbon disulfide	84		90		59-130	7		30
2-Butanone	101		107		70-130	6		30
Vinyl acetate	105		109		70-130	4		30
4-Methyl-2-pentanone	91		90		70-130	1		30
1,2,3-Trichloropropane	86		88		68-130	2		30
2-Hexanone	98		102		70-130	4		30
Bromochloromethane	90		93		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-17 Batch: WG1285600-3 WG1285600-4								
2,2-Dichloropropane	88		95		70-130	8		30
1,2-Dibromoethane	89		90		70-130	1		30
1,3-Dichloropropane	87		88		69-130	1		30
1,1,1,2-Tetrachloroethane	93		93		70-130	0		30
Bromobenzene	84		87		70-130	4		30
n-Butylbenzene	94		100		70-130	6		30
sec-Butylbenzene	90		97		70-130	7		30
tert-Butylbenzene	87		94		70-130	8		30
o-Chlorotoluene	88		94		70-130	7		30
p-Chlorotoluene	90		95		70-130	5		30
1,2-Dibromo-3-chloropropane	80		83		68-130	4		30
Hexachlorobutadiene	83		89		67-130	7		30
Isopropylbenzene	88		94		70-130	7		30
p-Isopropyltoluene	90		96		70-130	6		30
Naphthalene	86		89		70-130	3		30
Acrylonitrile	101		103		70-130	2		30
n-Propylbenzene	90		96		70-130	6		30
1,2,3-Trichlorobenzene	88		89		70-130	1		30
1,2,4-Trichlorobenzene	90		94		70-130	4		30
1,3,5-Trimethylbenzene	90		95		70-130	5		30
1,2,4-Trimethylbenzene	90		94		70-130	4		30
1,4-Dioxane	95		100		65-136	5		30
p-Diethylbenzene	88		93		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-17 Batch: WG1285600-3 WG1285600-4								
p-Ethyltoluene	88		94		70-130	7		30
1,2,4,5-Tetramethylbenzene	87		91		70-130	4		30
Ethyl ether	86		86		67-130	0		30
trans-1,4-Dichloro-2-butene	100		106		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	96		96		70-130

SEMIVOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 16:33
Analyst: IM
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	25	J	ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	990		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	70	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01 Date Collected: 09/11/19 09:00

Client ID: WC-A-3 (0-5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	550		ug/kg	110	22.	1
Benzo(a)pyrene	580		ug/kg	150	47.	1
Benzo(b)fluoranthene	780		ug/kg	110	32.	1
Benzo(k)fluoranthene	260		ug/kg	110	31.	1
Chrysene	530		ug/kg	110	20.	1
Acenaphthylene	120	J	ug/kg	150	30.	1
Anthracene	120		ug/kg	110	37.	1
Benzo(ghi)perylene	410		ug/kg	150	22.	1
Fluorene	24	J	ug/kg	190	19.	1
Phenanthrene	400		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	99	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	400		ug/kg	150	27.	1
Pyrene	890		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	22	J	ug/kg	190	18.	1
2-Methylnaphthalene	27	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	49	J	ug/kg	190	19.	1
Tentatively Identified Compounds						
Total TIC Compounds	343	J	ug/kg			1
Unknown	343	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	48		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 16:55
Analyst: IM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	520		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	12000	E	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	120	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02 Date Collected: 09/11/19 09:30

Client ID: WC-A-4 (0-6) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	6000		ug/kg	110	21.	1
Benzo(a)pyrene	5800		ug/kg	150	46.	1
Benzo(b)fluoranthene	7900	E	ug/kg	110	32.	1
Benzo(k)fluoranthene	1800		ug/kg	110	30.	1
Chrysene	5300		ug/kg	110	19.	1
Acenaphthylene	600		ug/kg	150	29.	1
Anthracene	2200		ug/kg	110	36.	1
Benzo(ghi)perylene	4100		ug/kg	150	22.	1
Fluorene	500		ug/kg	190	18.	1
Phenanthrene	7600	E	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	830		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	4000		ug/kg	150	26.	1
Pyrene	12000	E	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	430	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	250		ug/kg	190	18.	1
2-Methylnaphthalene	48	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	680		ug/kg	190	18.	1
Tentatively Identified Compounds						
Total TIC Compounds	9230	J	ug/kg			1
Unknown PAH	1540	J	ug/kg			1
Unknown PAH	728	J	ug/kg			1
Unknown PAH	845	J	ug/kg			1
Unknown	383	J	ug/kg			1
Unknown Ketone	385	J	ug/kg			1
Unknown PAH	1020	J	ug/kg			1
Unknown	299	J	ug/kg			1
Unknown	304	J	ug/kg			1
Unknown	843	J	ug/kg			1
Unknown Ketone	407	J	ug/kg			1
Unknown Thiophene	622	J	ug/kg			1
Unknown	709	J	ug/kg			1
Unknown PAH	325	J	ug/kg			1
Unknown	616	J	ug/kg			1
Unknown	207	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	101		10-136
4-Terphenyl-d14	58		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02 D
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/18/19 14:18
Analyst: JG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	12000		ug/kg	450	86.	4
Benzo(b)fluoranthene	6800		ug/kg	450	130	4
Phenanthrene	7500		ug/kg	450	91.	4
Pyrene	11000		ug/kg	450	74.	4

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 17:19
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	20	J	ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	310		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	150		ug/kg	110	20.	1
Benzo(a)pyrene	140		ug/kg	140	44.	1
Benzo(b)fluoranthene	190		ug/kg	110	30.	1
Benzo(k)fluoranthene	55	J	ug/kg	110	29.	1
Chrysene	160		ug/kg	110	19.	1
Acenaphthylene	31	J	ug/kg	140	28.	1
Anthracene	55	J	ug/kg	110	35.	1
Benzo(ghi)perylene	110	J	ug/kg	140	21.	1
Fluorene	29	J	ug/kg	180	18.	1
Phenanthrene	230		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	95	J	ug/kg	140	25.	1
Pyrene	300		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	20	J	ug/kg	180	18.	1
Tentatively Identified Compounds						
Total TIC Compounds	2800	J	ug/kg			1
Unknown	150	J	ug/kg			1
Unknown Alkane	171	J	ug/kg			1
Unknown Alkane	163	J	ug/kg			1
Unknown Alkane	190	J	ug/kg			1
Unknown Naphthalene	211	J	ug/kg			1
Unknown Alkane	778	J	ug/kg			1
Unknown Phenol	439	J	ug/kg			1
Unknown	173	J	ug/kg			1
Unknown Alkane	179	J	ug/kg			1
Unknown Alkane	163	J	ug/kg			1
Unknown Naphthalene	178	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	54		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 21:56
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 537(M)
Extraction Date: 09/26/19 16:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.04	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.04	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.04	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.065	J	ug/kg	1.04	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.04	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.04	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.04	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.04	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.04	0.142	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.04	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	1.46		ug/kg	1.04	0.135	1
Perfluorodecanoic Acid (PFDA)	0.070	J	ug/kg	1.04	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.04	0.298	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.04	0.209	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.04	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.04	0.159	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	10.4	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.121	J	ug/kg	1.04	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.04	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.04	0.212	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.04	0.056	1
PFOA/PFOS, Total	1.46		ug/kg	1.04	0.044	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	116		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	140		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	56		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	20		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	65		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04 D
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/18/19 15:36
Analyst: JG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1900	J	ug/kg	2800	370	20
1,2,4-Trichlorobenzene	ND		ug/kg	3500	400	20
Hexachlorobenzene	ND		ug/kg	2100	400	20
Bis(2-chloroethyl)ether	ND		ug/kg	3200	480	20
2-Chloronaphthalene	ND		ug/kg	3500	350	20
1,2-Dichlorobenzene	ND		ug/kg	3500	640	20
1,3-Dichlorobenzene	ND		ug/kg	3500	610	20
1,4-Dichlorobenzene	ND		ug/kg	3500	620	20
3,3'-Dichlorobenzidine	ND		ug/kg	3500	940	20
2,4-Dinitrotoluene	ND		ug/kg	3500	710	20
2,6-Dinitrotoluene	ND		ug/kg	3500	610	20
Fluoranthene	41000		ug/kg	2100	410	20
4-Chlorophenyl phenyl ether	ND		ug/kg	3500	380	20
4-Bromophenyl phenyl ether	ND		ug/kg	3500	540	20
Bis(2-chloroisopropyl)ether	ND		ug/kg	4200	610	20
Bis(2-chloroethoxy)methane	ND		ug/kg	3800	360	20
Hexachlorobutadiene	ND		ug/kg	3500	520	20
Hexachlorocyclopentadiene	ND		ug/kg	10000	3200	20
Hexachloroethane	ND		ug/kg	2800	570	20
Isophorone	ND		ug/kg	3200	460	20
Naphthalene	1600	J	ug/kg	3500	430	20
Nitrobenzene	ND		ug/kg	3200	520	20
NDPA/DPA	ND		ug/kg	2800	400	20
n-Nitrosodi-n-propylamine	ND		ug/kg	3500	550	20
Bis(2-ethylhexyl)phthalate	22000		ug/kg	3500	1200	20
Butyl benzyl phthalate	ND		ug/kg	3500	890	20
Di-n-butylphthalate	ND		ug/kg	3500	670	20
Di-n-octylphthalate	ND		ug/kg	3500	1200	20

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04 D
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	3500	330	20
Dimethyl phthalate	ND		ug/kg	3500	740	20
Benzo(a)anthracene	16000		ug/kg	2100	400	20
Benzo(a)pyrene	14000		ug/kg	2800	860	20
Benzo(b)fluoranthene	18000		ug/kg	2100	600	20
Benzo(k)fluoranthene	6000		ug/kg	2100	570	20
Chrysene	17000		ug/kg	2100	370	20
Acenaphthylene	1700	J	ug/kg	2800	550	20
Anthracene	5900		ug/kg	2100	690	20
Benzo(ghi)perylene	8600		ug/kg	2800	420	20
Fluorene	4800		ug/kg	3500	340	20
Phenanthrene	21000		ug/kg	2100	430	20
Dibenzo(a,h)anthracene	2000	J	ug/kg	2100	410	20
Indeno(1,2,3-cd)pyrene	9100		ug/kg	2800	490	20
Pyrene	34000		ug/kg	2100	350	20
Biphenyl	ND		ug/kg	8100	820	20
4-Chloroaniline	ND		ug/kg	3500	640	20
2-Nitroaniline	ND		ug/kg	3500	680	20
3-Nitroaniline	ND		ug/kg	3500	670	20
4-Nitroaniline	ND		ug/kg	3500	1500	20
Dibenzofuran	2000	J	ug/kg	3500	340	20
2-Methylnaphthalene	1200	J	ug/kg	4200	430	20
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	3500	370	20
Acetophenone	ND		ug/kg	3500	440	20
2,4,6-Trichlorophenol	ND		ug/kg	2100	670	20
p-Chloro-m-cresol	ND		ug/kg	3500	530	20
2-Chlorophenol	ND		ug/kg	3500	420	20
2,4-Dichlorophenol	ND		ug/kg	3200	570	20
2,4-Dimethylphenol	ND		ug/kg	3500	1200	20
2-Nitrophenol	ND		ug/kg	7700	1300	20
4-Nitrophenol	ND		ug/kg	5000	1400	20
2,4-Dinitrophenol	ND		ug/kg	17000	1600	20
4,6-Dinitro-o-cresol	ND		ug/kg	9200	1700	20
Pentachlorophenol	ND		ug/kg	2800	780	20
Phenol	ND		ug/kg	3500	540	20
2-Methylphenol	ND		ug/kg	3500	550	20
3-Methylphenol/4-Methylphenol	ND		ug/kg	5100	560	20

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04 D
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	3500	680	20
Benzoic Acid	ND		ug/kg	11000	3600	20
Benzyl Alcohol	ND		ug/kg	3500	1100	20
Carbazole	2600	J	ug/kg	3500	340	20
1,4-Dioxane	ND		ug/kg	530	160	20
Tentatively Identified Compounds						
Total TIC Compounds	92600	J	ug/kg			20
Unknown PAH	4580	J	ug/kg			20
Unknown Alkane	3910	J	ug/kg			20
Unknown PAH	4750	J	ug/kg			20
Unknown PAH	9620	J	ug/kg			20
Unknown	5140	J	ug/kg			20
Unknown Naphthalene	7900	J	ug/kg			20
Unknown	7040	J	ug/kg			20
Unknown PAH	10600	J	ug/kg			20
Unknown	12000	J	ug/kg			20
Unknown	3730	J	ug/kg			20
Unknown	5000	J	ug/kg			20
Unknown Alkane	5500	J	ug/kg			20
Unknown Alkane	5040	J	ug/kg			20
Unknown Alkane	4380	J	ug/kg			20
Unknown Benzene	3450	J	ug/kg			20

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04 D
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	**0**	Q	10-136
4-Terphenyl-d14	**0**	Q	18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 18:04
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	180		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	110		ug/kg	110	21.	1
Benzo(a)pyrene	120	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	150		ug/kg	110	31.	1
Benzo(k)fluoranthene	44	J	ug/kg	110	29.	1
Chrysene	110		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	91	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	58	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	89	J	ug/kg	150	26.	1
Pyrene	180		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	1220	J	ug/kg			1
Unknown	769	J	ug/kg			1
Diisooctyl adipate	210	NJ	ug/kg			1
Unknown	240	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	63		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 22:12
Analyst: JW
Percent Solids: 90%

Extraction Method: EPA 537(M)
Extraction Date: 09/26/19 16:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.05	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.05	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.05	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.05	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.05	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.05	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.05	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.05	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.05	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.05	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	0.571	J	ug/kg	1.05	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.05	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.05	0.301	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.05	0.211	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.05	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.05	0.160	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	10.5	0.103	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.05	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.05	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.05	0.214	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.05	0.057	1
PFOA/PFOS, Total	0.571	J	ug/kg	1.05	0.044	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	77		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	79		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	78		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	73		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	75		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	81		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	77		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	104		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	81		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	83		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	121		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	49		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	78		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	63		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	53		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	68		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	57		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 18:27
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	140		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	73	J	ug/kg	110	20.	1
Benzo(a)pyrene	69	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	91	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	30	J	ug/kg	110	29.	1
Chrysene	81	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	56	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	74	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	51	J	ug/kg	140	25.	1
Pyrene	130		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
Tentatively Identified Compounds						
Total TIC Compounds	1420	J	ug/kg			1
Unknown	414	J	ug/kg			1
Unknown	160	J	ug/kg			1
Unknown	847	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	107		10-136
4-Terphenyl-d14	60		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 18:50
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	64	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	33	J	ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	4100		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	150	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	140	J	ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07 Date Collected: 09/11/19 09:40

Client ID: B-9 (3-4) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	1700		ug/kg	110	21.	1
Benzo(a)pyrene	1600		ug/kg	150	45.	1
Benzo(b)fluoranthene	2100		ug/kg	110	31.	1
Benzo(k)fluoranthene	700		ug/kg	110	30.	1
Chrysene	1800		ug/kg	110	19.	1
Acenaphthylene	370		ug/kg	150	28.	1
Anthracene	490		ug/kg	110	36.	1
Benzo(ghi)perylene	1100		ug/kg	150	22.	1
Fluorene	100	J	ug/kg	180	18.	1
Phenanthrene	2400		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	250		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1100		ug/kg	150	26.	1
Pyrene	3600		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	85	J	ug/kg	180	17.	1
2-Methylnaphthalene	41	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	180		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1
Tentatively Identified Compounds						
Total TIC Compounds	4480	J	ug/kg			1
Unknown Phenanthrene	243	J	ug/kg			1
Unknown	193	J	ug/kg			1
Unknown	682	J	ug/kg			1
Unknown PAH	482	J	ug/kg			1
Unknown PAH	346	J	ug/kg			1
Unknown PAH	530	J	ug/kg			1
Unknown	173	J	ug/kg			1
Dibenzothiophene	176	NJ	ug/kg			1
Unknown	176	J	ug/kg			1
Unknown	404	J	ug/kg			1
Unknown Ketone	212	J	ug/kg			1
Unknown	214	J	ug/kg			1
Unknown PAH	200	J	ug/kg			1
Unknown PAH	292	J	ug/kg			1
Unknown	159	J	ug/kg			1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	109		25-120
Phenol-d6	117		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	97		30-120
2,4,6-Tribromophenol	135		10-136
4-Terphenyl-d14	79		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 22:29
Analyst: JW
Percent Solids: 90%

Extraction Method: EPA 537(M)
Extraction Date: 09/26/19 16:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.05	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.05	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.05	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.058	J	ug/kg	1.05	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.05	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.05	0.064	1
Perfluorooctanoic Acid (PFOA)	0.059	J	ug/kg	1.05	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.05	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.05	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.05	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	0.402	J	ug/kg	1.05	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.05	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.05	0.301	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.05	0.212	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.05	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.05	0.161	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	10.5	0.103	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.05	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.05	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.05	0.215	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.05	0.057	1
PFOA/PFOS, Total	0.461	J	ug/kg	1.05	0.044	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	90		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	86		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	92		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	118		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	127		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	4		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	81		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 19:13
Analyst: IM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	560	J	ug/kg			1
Unknown Phenol	560	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	53		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 22:45
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 537(M)
Extraction Date: 09/26/19 16:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.02	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.02	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.02	0.040	1
Perfluorohexanoic Acid (PFHxA)	0.057	J	ug/kg	1.02	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.02	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.02	0.061	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.02	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.874	J	ug/kg	1.02	0.182	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.02	0.139	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.02	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	0.221	J	ug/kg	1.02	0.132	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.02	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.02	0.292	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.02	0.205	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.02	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.02	0.155	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	10.2	0.100	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.02	0.086	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.02	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.02	0.208	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.02	0.055	1
PFOA/PFOS, Total	0.221	J	ug/kg	1.02	0.043	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	140		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	160		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	8		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	58		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 19:36
Analyst: IM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09 Date Collected: 09/11/19 10:45

Client ID: B-14 (8-9) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1
Tentatively Identified Compounds						
Total TIC Compounds	348	J	ug/kg			1
Unknown	348	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	59		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 23:02
Analyst: JW
Percent Solids: 93%

Extraction Method: EPA 537(M)
Extraction Date: 09/26/19 16:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.967	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.967	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.967	0.038	1
Perfluorohexanoic Acid (PFHxA)	0.057	J	ug/kg	0.967	0.051	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.967	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.967	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.967	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.384	J	ug/kg	0.967	0.174	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.967	0.132	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.967	0.073	1
Perfluorooctanesulfonic Acid (PFOS)	0.183	J	ug/kg	0.967	0.126	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.967	0.065	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.967	0.277	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.967	0.195	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.967	0.045	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.967	0.148	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	9.70	0.095	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.967	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.967	0.068	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.967	0.198	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.967	0.052	1
PFOA/PFOS, Total	0.183	J	ug/kg	0.967	0.041	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	122		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	156		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	2		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	74		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 19:59
Analyst: IM
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	350		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	180		ug/kg	100	19.	1
Benzo(a)pyrene	180		ug/kg	140	42.	1
Benzo(b)fluoranthene	220		ug/kg	100	29.	1
Benzo(k)fluoranthene	73	J	ug/kg	100	27.	1
Chrysene	180		ug/kg	100	18.	1
Acenaphthylene	36	J	ug/kg	140	26.	1
Anthracene	57	J	ug/kg	100	33.	1
Benzo(ghi)perylene	130	J	ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	210		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	140	24.	1
Pyrene	320		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	23	J	ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1
Tentatively Identified Compounds						
Total TIC Compounds	529	J	ug/kg			1
Unknown	361	J	ug/kg			1
Unknown	168	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	49		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 23:18
Analyst: JW
Percent Solids: 96%

Extraction Method: EPA 537(M)
Extraction Date: 09/26/19 16:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.02	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.02	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.02	0.040	1
Perfluorohexanoic Acid (PFHxA)	0.075	J	ug/kg	1.02	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.02	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.02	0.062	1
Perfluorooctanoic Acid (PFOA)	0.057	J	ug/kg	1.02	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.301	J	ug/kg	1.02	0.184	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.02	0.140	1
Perfluorononanoic Acid (PFNA)	0.098	J	ug/kg	1.02	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	1.40		ug/kg	1.02	0.133	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.02	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.02	0.294	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.02	0.207	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.02	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.02	0.157	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	10.2	0.100	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.02	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.02	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.02	0.210	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.02	0.055	1
PFOA/PFOS, Total	1.46	J	ug/kg	1.02	0.043	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	105		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	142		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	186		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	80		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	88		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	90		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 19:57
Analyst: CB
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	460		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	220		ug/kg	180	61.	1
Butyl benzyl phthalate	1300		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	240		ug/kg	100	20.	1
Benzo(a)pyrene	240		ug/kg	140	43.	1
Benzo(b)fluoranthene	320		ug/kg	100	30.	1
Benzo(k)fluoranthene	110		ug/kg	100	28.	1
Chrysene	230		ug/kg	100	18.	1
Acenaphthylene	69	J	ug/kg	140	27.	1
Anthracene	59	J	ug/kg	100	34.	1
Benzo(ghi)perylene	150		ug/kg	140	21.	1
Fluorene	17	J	ug/kg	180	17.	1
Phenanthrene	210		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	39	J	ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	160		ug/kg	140	24.	1
Pyrene	420		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	72.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	22	J	ug/kg	180	17.	1
Tentatively Identified Compounds						
Total TIC Compounds	682	J	ug/kg			1
Unknown Phenol	163	J	ug/kg			1
Unknown	144	J	ug/kg			1
Unknown	375	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	53		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 20:21
Analyst: CB
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	58	J	ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	2800		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	31	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	1100		ug/kg	110	20.	1
Benzo(a)pyrene	950		ug/kg	140	43.	1
Benzo(b)fluoranthene	1200		ug/kg	110	30.	1
Benzo(k)fluoranthene	430		ug/kg	110	28.	1
Chrysene	1000		ug/kg	110	18.	1
Acenaphthylene	300		ug/kg	140	27.	1
Anthracene	350		ug/kg	110	34.	1
Benzo(ghi)perylene	570		ug/kg	140	21.	1
Fluorene	100	J	ug/kg	180	17.	1
Phenanthrene	1500		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	140		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	610		ug/kg	140	25.	1
Pyrene	2500		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	42	J	ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	76	J	ug/kg	180	17.	1
Tentatively Identified Compounds						
Total TIC Compounds	10200	J	ug/kg			1
Unknown PAH	2660	J	ug/kg			1
Unknown	465	J	ug/kg			1
Unknown PAH	274	J	ug/kg			1
Unknown PAH	704	J	ug/kg			1
Unknown PAH	354	J	ug/kg			1
Unknown	279	J	ug/kg			1
Unknown	426	J	ug/kg			1
Unknown	266	J	ug/kg			1
Unknown	272	J	ug/kg			1
Unknown PAH	1420	J	ug/kg			1
Unknown	899	J	ug/kg			1
Unknown PAH	252	J	ug/kg			1
Unknown PAH	270	J	ug/kg			1
Unknown Carbazole	1340	J	ug/kg			1
Unknown Phenol	271	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	50		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13 D2
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/18/19 17:12
Analyst: JG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	150000		ug/kg	5400	1000	50
Phenanthrene	100000		ug/kg	5400	1100	50
Pyrene	130000		ug/kg	5400	900	50

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13 D
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/18/19 13:52
Analyst: JG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	3400		ug/kg	1400	190	10
1,2,4-Trichlorobenzene	ND		ug/kg	1800	210	10
Hexachlorobenzene	ND		ug/kg	1100	200	10
Bis(2-chloroethyl)ether	ND		ug/kg	1600	240	10
2-Chloronaphthalene	ND		ug/kg	1800	180	10
1,2-Dichlorobenzene	ND		ug/kg	1800	320	10
1,3-Dichlorobenzene	ND		ug/kg	1800	310	10
1,4-Dichlorobenzene	ND		ug/kg	1800	320	10
3,3'-Dichlorobenzidine	ND		ug/kg	1800	480	10
2,4-Dinitrotoluene	ND		ug/kg	1800	360	10
2,6-Dinitrotoluene	ND		ug/kg	1800	310	10
Fluoranthene	120000	E	ug/kg	1100	210	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1800	190	10
4-Bromophenyl phenyl ether	ND		ug/kg	1800	280	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2200	310	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2000	180	10
Hexachlorobutadiene	ND		ug/kg	1800	260	10
Hexachlorocyclopentadiene	ND		ug/kg	5200	1600	10
Hexachloroethane	ND		ug/kg	1400	290	10
Isophorone	ND		ug/kg	1600	240	10
Naphthalene	4300		ug/kg	1800	220	10
Nitrobenzene	ND		ug/kg	1600	270	10
NDPA/DPA	ND		ug/kg	1400	210	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1800	280	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1800	630	10
Butyl benzyl phthalate	ND		ug/kg	1800	460	10
Di-n-butylphthalate	ND		ug/kg	1800	340	10
Di-n-octylphthalate	ND		ug/kg	1800	620	10

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13 D
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1800	170	10
Dimethyl phthalate	ND		ug/kg	1800	380	10
Benzo(a)anthracene	64000		ug/kg	1100	200	10
Benzo(a)pyrene	56000		ug/kg	1400	440	10
Benzo(b)fluoranthene	69000		ug/kg	1100	300	10
Benzo(k)fluoranthene	25000		ug/kg	1100	290	10
Chrysene	61000		ug/kg	1100	190	10
Acenaphthylene	12000		ug/kg	1400	280	10
Anthracene	18000		ug/kg	1100	350	10
Benzo(ghi)perylene	34000		ug/kg	1400	210	10
Fluorene	6600		ug/kg	1800	180	10
Phenanthrene	85000	E	ug/kg	1100	220	10
Dibenzo(a,h)anthracene	8600		ug/kg	1100	210	10
Indeno(1,2,3-cd)pyrene	36000		ug/kg	1400	250	10
Pyrene	120000	E	ug/kg	1100	180	10
Biphenyl	540	J	ug/kg	4100	420	10
4-Chloroaniline	ND		ug/kg	1800	330	10
2-Nitroaniline	ND		ug/kg	1800	350	10
3-Nitroaniline	ND		ug/kg	1800	340	10
4-Nitroaniline	ND		ug/kg	1800	750	10
Dibenzofuran	4100		ug/kg	1800	170	10
2-Methylnaphthalene	1800	J	ug/kg	2200	220	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	190	10
Acetophenone	ND		ug/kg	1800	220	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	340	10
p-Chloro-m-cresol	ND		ug/kg	1800	270	10
2-Chlorophenol	ND		ug/kg	1800	210	10
2,4-Dichlorophenol	ND		ug/kg	1600	290	10
2,4-Dimethylphenol	ND		ug/kg	1800	600	10
2-Nitrophenol	ND		ug/kg	3900	680	10
4-Nitrophenol	ND		ug/kg	2500	740	10
2,4-Dinitrophenol	ND		ug/kg	8700	840	10
4,6-Dinitro-o-cresol	ND		ug/kg	4700	870	10
Pentachlorophenol	ND		ug/kg	1400	400	10
Phenol	270	J	ug/kg	1800	270	10
2-Methylphenol	ND		ug/kg	1800	280	10
3-Methylphenol/4-Methylphenol	430	J	ug/kg	2600	280	10

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13 D
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1800	350	10
Benzoic Acid	ND		ug/kg	5900	1800	10
Benzyl Alcohol	ND		ug/kg	1800	550	10
Carbazole	6100		ug/kg	1800	180	10
Tentatively Identified Compounds						
Total TIC Compounds	261000	J	ug/kg			10
Unknown	11500	J	ug/kg			10
Unknown PAH	13800	J	ug/kg			10
Unknown PAH	13900	J	ug/kg			10
Unknown PAH	29400	J	ug/kg			10
Unknown PAH	40800	J	ug/kg			10
Unknown PAH	11700	J	ug/kg			10
Unknown	13800	J	ug/kg			10
Unknown Ketone	12700	J	ug/kg			10
Unknown PAH	10900	J	ug/kg			10
Unknown PAH	12500	J	ug/kg			10
Unknown PAH	10800	J	ug/kg			10
Unknown PAH	18000	J	ug/kg			10
Unknown PAH	22800	J	ug/kg			10
Unknown	14200	J	ug/kg			10
Unknown	24400	J	ug/kg			10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		25-120
Phenol-d6	43		10-120
Nitrobenzene-d5	35		23-120
2-Fluorobiphenyl	34		30-120
2,4,6-Tribromophenol	45		10-136
4-Terphenyl-d14	44		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 14:53
Analyst: CB
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14 Date Collected: 09/11/19 12:05

Client ID: B-8 (5-6) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	55		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 15:17
Analyst: CB
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	29.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	24.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	150	1
Hexachloroethane	ND		ug/kg	130	27.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	20.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	130	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.	1
Butyl benzyl phthalate	ND		ug/kg	170	42.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	57.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	35.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	28.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	17.	1
Acenaphthylene	ND		ug/kg	130	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	130	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	20.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	380	39.	1
4-Chloroaniline	ND		ug/kg	170	30.	1
2-Nitroaniline	ND		ug/kg	170	32.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	69.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	55.	1
2-Nitrophenol	ND		ug/kg	360	63.	1
4-Nitrophenol	ND		ug/kg	230	68.	1
2,4-Dinitrophenol	ND		ug/kg	800	78.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	80.	1
Pentachlorophenol	ND		ug/kg	130	37.	1
Phenol	ND		ug/kg	170	25.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	32.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	51.	1
Carbazole	ND		ug/kg	170	16.	1
Tentatively Identified Compounds						
Total TIC Compounds	987	J	ug/kg			1
Unknown	400	J	ug/kg			1
Unknown	197	J	ug/kg			1
Unknown	390	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	61		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 15:41
Analyst: CB
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	36	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 33 CENTRE AVE **Lab Number:** L1941584

Project Number: 10567 PHASE3.1 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16 Date Collected: 09/11/19 12:20

Client ID: B-3 (6-7) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	25	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	30	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
Tentatively Identified Compounds						
Total TIC Compounds	726	J	ug/kg			1
Unknown	344	J	ug/kg			1
Unknown	382	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	71		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/18/19 05:37
Analyst: KR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 20:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	97	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	44	J	ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	56	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	50	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	33	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	64	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	33	J	ug/kg	140	25.	1
Pyrene	88	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1
Tentatively Identified Compounds						
Total TIC Compounds	5340	J	ug/kg			1
Unknown	1310	J	ug/kg			1
Unknown	1470	J	ug/kg			1
Unknown	1440	J	ug/kg			1
Unknown	1120	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	55		10-136
4-Terphenyl-d14	53		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 09/30/19 23:35
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 537(M)
Extraction Date: 09/26/19 16:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.04	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.04	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.04	0.040	1
Perfluorohexanoic Acid (PFHxA)	0.060	J	ug/kg	1.04	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.04	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.04	0.063	1
Perfluorooctanoic Acid (PFOA)	0.174	J	ug/kg	1.04	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.285	J	ug/kg	1.04	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.04	0.141	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.04	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.655	J	ug/kg	1.04	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.04	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.04	0.297	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.04	0.209	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.04	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.04	0.158	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	10.4	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.04	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.04	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.04	0.212	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.04	0.056	1
PFOA/PFOS, Total	0.829	J	ug/kg	1.04	0.043	1

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	93		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	121		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	156		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	57		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	5		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	60		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/19 11:36
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-16 Batch: WG1284077-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/19 11:36
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-16 Batch: WG1284077-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/19 11:36
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/14/19 02:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-16 Batch: WG1284077-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	68		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/19 00:00
Analyst: KR

Extraction Method: EPA 3546
Extraction Date: 09/14/19 20:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1284271-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/19 00:00
Analyst: KR

Extraction Method: EPA 3546
Extraction Date: 09/14/19 20:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1284271-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/19 00:00
Analyst: KR

Extraction Method: EPA 3546
Extraction Date: 09/14/19 20:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1284271-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	60		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 10/01/19 02:54
Analyst: JW

Extraction Method: EPA 537(M)
Extraction Date: 09/26/19 16:07

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04-05,07-10,17 Batch: WG1288952-1					
Perfluorobutanoic Acid (PFBA)	0.155	J	ug/kg	1.00	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.00	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.00	0.039
Perfluorohexanoic Acid (PFHxA)	0.056	J	ug/kg	1.00	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.00	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.00	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.00	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.00	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.00	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.00	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.00	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.00	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.00	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.00	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.00	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.00	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	10.0	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.00	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.00	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.00	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.00	0.054
PFOA/PFOS, Total	ND		ug/kg	1.00	0.042

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 10/01/19 02:54
Analyst: JW

Extraction Method: EPA 537(M)
Extraction Date: 09/26/19 16:07

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04-05,07-10,17 Batch: WG1288952-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	73		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	77		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	73		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	78		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	123		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	142		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	1		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		26-160

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-16 Batch: WG1284077-2 WG1284077-3								
Acenaphthene	71		69		31-137	3		50
1,2,4-Trichlorobenzene	70		63		38-107	11		50
Hexachlorobenzene	78		79		40-140	1		50
Bis(2-chloroethyl)ether	63		56		40-140	12		50
2-Chloronaphthalene	75		70		40-140	7		50
1,2-Dichlorobenzene	66		61		40-140	8		50
1,3-Dichlorobenzene	64		59		40-140	8		50
1,4-Dichlorobenzene	64		60		28-104	6		50
3,3'-Dichlorobenzidine	64		65		40-140	2		50
2,4-Dinitrotoluene	82		80		40-132	2		50
2,6-Dinitrotoluene	84		83		40-140	1		50
Fluoranthene	76		74		40-140	3		50
4-Chlorophenyl phenyl ether	74		71		40-140	4		50
4-Bromophenyl phenyl ether	77		75		40-140	3		50
Bis(2-chloroisopropyl)ether	60		53		40-140	12		50
Bis(2-chloroethoxy)methane	68		63		40-117	8		50
Hexachlorobutadiene	72		64		40-140	12		50
Hexachlorocyclopentadiene	52		44		40-140	17		50
Hexachloroethane	66		61		40-140	8		50
Isophorone	72		67		40-140	7		50
Naphthalene	69		62		40-140	11		50
Nitrobenzene	71		64		40-140	10		50
NDPA/DPA	76		74		36-157	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-16 Batch: WG1284077-2 WG1284077-3								
n-Nitrosodi-n-propylamine	72		66		32-121	9		50
Bis(2-ethylhexyl)phthalate	76		72		40-140	5		50
Butyl benzyl phthalate	84		82		40-140	2		50
Di-n-butylphthalate	79		77		40-140	3		50
Di-n-octylphthalate	76		72		40-140	5		50
Diethyl phthalate	77		77		40-140	0		50
Dimethyl phthalate	82		80		40-140	2		50
Benzo(a)anthracene	72		70		40-140	3		50
Benzo(a)pyrene	70		69		40-140	1		50
Benzo(b)fluoranthene	78		72		40-140	8		50
Benzo(k)fluoranthene	72		74		40-140	3		50
Chrysene	70		67		40-140	4		50
Acenaphthylene	77		74		40-140	4		50
Anthracene	74		73		40-140	1		50
Benzo(ghi)perylene	73		70		40-140	4		50
Fluorene	75		73		40-140	3		50
Phenanthrene	70		68		40-140	3		50
Dibenzo(a,h)anthracene	74		72		40-140	3		50
Indeno(1,2,3-cd)pyrene	76		73		40-140	4		50
Pyrene	75		73		35-142	3		50
Biphenyl	77		72		37-127	7		50
4-Chloroaniline	65		70		40-140	7		50
2-Nitroaniline	83		80		47-134	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-16 Batch: WG1284077-2 WG1284077-3								
3-Nitroaniline	63		65		26-129	3		50
4-Nitroaniline	68		69		41-125	1		50
Dibenzofuran	72		70		40-140	3		50
2-Methylnaphthalene	73		68		40-140	7		50
1,2,4,5-Tetrachlorobenzene	77		71		40-117	8		50
Acetophenone	72		66		14-144	9		50
2,4,6-Trichlorophenol	82		76		30-130	8		50
p-Chloro-m-cresol	80		76		26-103	5		50
2-Chlorophenol	70		62		25-102	12		50
2,4-Dichlorophenol	78		73		30-130	7		50
2,4-Dimethylphenol	80		72		30-130	11		50
2-Nitrophenol	77		72		30-130	7		50
4-Nitrophenol	85		84		11-114	1		50
2,4-Dinitrophenol	72		63		4-130	13		50
4,6-Dinitro-o-cresol	85		79		10-130	7		50
Pentachlorophenol	62		60		17-109	3		50
Phenol	69		63		26-90	9		50
2-Methylphenol	73		66		30-130.	10		50
3-Methylphenol/4-Methylphenol	71		74		30-130	4		50
2,4,5-Trichlorophenol	81		79		30-130	3		50
Benzoic Acid	28		20		10-110	33		50
Benzyl Alcohol	73		66		40-140	10		50
Carbazole	74		71		54-128	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-16 Batch: WG1284077-2 WG1284077-3								
1,4-Dioxane	47		44		40-140	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	70		61		25-120
Phenol-d6	72		65		10-120
Nitrobenzene-d5	59		54		23-120
2-Fluorobiphenyl	62		59		30-120
2,4,6-Tribromophenol	88		86		10-136
4-Terphenyl-d14	64		64		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1284271-2 WG1284271-3								
Acenaphthene	71		76		31-137	7		50
1,2,4-Trichlorobenzene	71		78		38-107	9		50
Hexachlorobenzene	78		84		40-140	7		50
Bis(2-chloroethyl)ether	67		72		40-140	7		50
2-Chloronaphthalene	75		82		40-140	9		50
1,2-Dichlorobenzene	71		78		40-140	9		50
1,3-Dichlorobenzene	71		77		40-140	8		50
1,4-Dichlorobenzene	70		76		28-104	8		50
3,3'-Dichlorobenzidine	58		64		40-140	10		50
2,4-Dinitrotoluene	80		87		40-132	8		50
2,6-Dinitrotoluene	81		86		40-140	6		50
Fluoranthene	78		81		40-140	4		50
4-Chlorophenyl phenyl ether	75		82		40-140	9		50
4-Bromophenyl phenyl ether	76		81		40-140	6		50
Bis(2-chloroisopropyl)ether	58		64		40-140	10		50
Bis(2-chloroethoxy)methane	67		75		40-117	11		50
Hexachlorobutadiene	74		80		40-140	8		50
Hexachlorocyclopentadiene	67		72		40-140	7		50
Hexachloroethane	70		76		40-140	8		50
Isophorone	68		74		40-140	8		50
Naphthalene	73		78		40-140	7		50
Nitrobenzene	66		72		40-140	9		50
NDPA/DPA	75		80		36-157	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1284271-2 WG1284271-3								
n-Nitrosodi-n-propylamine	67		74		32-121	10		50
Bis(2-ethylhexyl)phthalate	80		83		40-140	4		50
Butyl benzyl phthalate	81		86		40-140	6		50
Di-n-butylphthalate	80		86		40-140	7		50
Di-n-octylphthalate	79		83		40-140	5		50
Diethyl phthalate	78		81		40-140	4		50
Dimethyl phthalate	77		82		40-140	6		50
Benzo(a)anthracene	75		79		40-140	5		50
Benzo(a)pyrene	73		78		40-140	7		50
Benzo(b)fluoranthene	76		80		40-140	5		50
Benzo(k)fluoranthene	76		83		40-140	9		50
Chrysene	75		79		40-140	5		50
Acenaphthylene	77		83		40-140	8		50
Anthracene	76		81		40-140	6		50
Benzo(ghi)perylene	78		82		40-140	5		50
Fluorene	76		82		40-140	8		50
Phenanthrene	76		80		40-140	5		50
Dibenzo(a,h)anthracene	78		81		40-140	4		50
Indeno(1,2,3-cd)pyrene	78		82		40-140	5		50
Pyrene	76		81		35-142	6		50
Biphenyl	75		82		37-127	9		50
4-Chloroaniline	60		68		40-140	13		50
2-Nitroaniline	76		83		47-134	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1284271-2 WG1284271-3								
3-Nitroaniline	62		70		26-129	12		50
4-Nitroaniline	69		74		41-125	7		50
Dibenzofuran	76		81		40-140	6		50
2-Methylnaphthalene	74		80		40-140	8		50
1,2,4,5-Tetrachlorobenzene	76		83		40-117	9		50
Acetophenone	75		81		14-144	8		50
2,4,6-Trichlorophenol	78		85		30-130	9		50
p-Chloro-m-cresol	76		81		26-103	6		50
2-Chlorophenol	76		82		25-102	8		50
2,4-Dichlorophenol	75		82		30-130	9		50
2,4-Dimethylphenol	72		78		30-130	8		50
2-Nitrophenol	76		84		30-130	10		50
4-Nitrophenol	71		76		11-114	7		50
2,4-Dinitrophenol	65		67		4-130	3		50
4,6-Dinitro-o-cresol	75		77		10-130	3		50
Pentachlorophenol	75		80		17-109	6		50
Phenol	70		76		26-90	8		50
2-Methylphenol	73		79		30-130.	8		50
3-Methylphenol/4-Methylphenol	73		80		30-130	9		50
2,4,5-Trichlorophenol	81		87		30-130	7		50
Benzoic Acid	39		39		10-110	0		50
Benzyl Alcohol	69		75		40-140	8		50
Carbazole	82		84		54-128	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1284271-2 WG1284271-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		82		25-120
Phenol-d6	72		77		10-120
Nitrobenzene-d5	53		59		23-120
2-Fluorobiphenyl	61		66		30-120
2,4,6-Tribromophenol	81		86		10-136
4-Terphenyl-d14	66		69		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-05,07-10,17 Batch: WG1288952-2 WG1288952-3								
Perfluorobutanoic Acid (PFBA)	111		113		71-135	2		30
Perfluoropentanoic Acid (PFPeA)	110		111		69-132	1		30
Perfluorobutanesulfonic Acid (PFBS)	111		114		72-128	3		30
Perfluorohexanoic Acid (PFHxA)	111		113		70-132	2		30
Perfluoroheptanoic Acid (PFHpA)	113		112		71-131	1		30
Perfluorohexanesulfonic Acid (PFHxS)	112		114		67-130	2		30
Perfluorooctanoic Acid (PFOA)	118		113		69-133	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	114		125		64-140	9		30
Perfluoroheptanesulfonic Acid (PFHpS)	106		108		70-132	2		30
Perfluorononanoic Acid (PFNA)	111		110		72-129	1		30
Perfluorooctanesulfonic Acid (PFOS)	110		106		68-136	4		30
Perfluorodecanoic Acid (PFDA)	113		114		69-133	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	100		113		65-137	12		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	110		126		63-144	14		30
Perfluoroundecanoic Acid (PFUnA)	108		111		64-136	3		30
Perfluorodecanesulfonic Acid (PFDS)	112		111		59-134	1		30
Perfluorooctanesulfonamide (FOSA)	130		**218**	Q	67-137	**51**	Q	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	123		109		61-139	12		30
Perfluorododecanoic Acid (PFDoA)	113		116		69-135	3		30
Perfluorotridecanoic Acid (PFTrDA)	123		131		66-139	6		30
Perfluorotetradecanoic Acid (PFTA)	106		110		69-133	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-05,07-10,17 Batch: WG1288952-2 WG1288952-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	68		67		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	73		73		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		90		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		75		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	75		82		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101		89		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		89		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	130		115		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	86		93		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		94		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		90		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	157		138		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		78		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		96		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	1		1		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	63		68		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		83		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	72		73		26-160

PCBS

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/16/19 17:18
Analyst: HT
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.7	3.44	1	A
Aroclor 1221	ND		ug/kg	38.7	3.88	1	A
Aroclor 1232	ND		ug/kg	38.7	8.21	1	A
Aroclor 1242	ND		ug/kg	38.7	5.22	1	A
Aroclor 1248	ND		ug/kg	38.7	5.81	1	A
Aroclor 1254	ND		ug/kg	38.7	4.24	1	A
Aroclor 1260	ND		ug/kg	38.7	7.15	1	A
Aroclor 1262	ND		ug/kg	38.7	4.92	1	A
Aroclor 1268	ND		ug/kg	38.7	4.01	1	A
PCBs, Total	ND		ug/kg	38.7	3.44	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/16/19 17:30
Analyst: HT
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/16/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/16/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.2	3.13	1	A
Aroclor 1221	ND		ug/kg	35.2	3.53	1	A
Aroclor 1232	ND		ug/kg	35.2	7.47	1	A
Aroclor 1242	ND		ug/kg	35.2	4.75	1	A
Aroclor 1248	ND		ug/kg	35.2	5.29	1	A
Aroclor 1254	ND		ug/kg	35.2	3.86	1	A
Aroclor 1260	ND		ug/kg	35.2	6.52	1	A
Aroclor 1262	ND		ug/kg	35.2	4.48	1	A
Aroclor 1268	ND		ug/kg	35.2	3.65	1	A
PCBs, Total	ND		ug/kg	35.2	3.13	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	38		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/16/19 17:06
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.4	3.24	1	A
Aroclor 1221	ND		ug/kg	36.4	3.65	1	A
Aroclor 1232	ND		ug/kg	36.4	7.72	1	A
Aroclor 1242	ND		ug/kg	36.4	4.91	1	A
Aroclor 1248	ND		ug/kg	36.4	5.46	1	A
Aroclor 1254	ND		ug/kg	36.4	3.99	1	A
Aroclor 1260	ND		ug/kg	36.4	6.73	1	A
Aroclor 1262	ND		ug/kg	36.4	4.63	1	A
Aroclor 1268	ND		ug/kg	36.4	3.77	1	A
PCBs, Total	ND		ug/kg	36.4	3.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 16:04
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/16/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/16/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.4	3.06	1	A
Aroclor 1221	ND		ug/kg	34.4	3.45	1	A
Aroclor 1232	ND		ug/kg	34.4	7.30	1	A
Aroclor 1242	70.2		ug/kg	34.4	4.64	1	B
Aroclor 1248	ND		ug/kg	34.4	5.17	1	A
Aroclor 1254	26.3	J	ug/kg	34.4	3.77	1	B
Aroclor 1260	11.0	J	ug/kg	34.4	6.37	1	A
Aroclor 1262	ND		ug/kg	34.4	4.38	1	A
Aroclor 1268	4.73	J	ug/kg	34.4	3.57	1	B
PCBs, Total	112	J	ug/kg	34.4	3.06	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	33		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/16/19 16:43
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.0	3.28	1	A
Aroclor 1221	ND		ug/kg	37.0	3.70	1	A
Aroclor 1232	ND		ug/kg	37.0	7.84	1	A
Aroclor 1242	ND		ug/kg	37.0	4.98	1	A
Aroclor 1248	ND		ug/kg	37.0	5.55	1	A
Aroclor 1254	ND		ug/kg	37.0	4.04	1	A
Aroclor 1260	ND		ug/kg	37.0	6.83	1	A
Aroclor 1262	ND		ug/kg	37.0	4.70	1	A
Aroclor 1268	ND		ug/kg	37.0	3.83	1	A
PCBs, Total	ND		ug/kg	37.0	3.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/16/19 16:55
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/16/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/16/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.9	3.10	1	A
Aroclor 1221	ND		ug/kg	34.9	3.50	1	A
Aroclor 1232	ND		ug/kg	34.9	7.40	1	A
Aroclor 1242	ND		ug/kg	34.9	4.71	1	A
Aroclor 1248	ND		ug/kg	34.9	5.24	1	A
Aroclor 1254	ND		ug/kg	34.9	3.82	1	A
Aroclor 1260	ND		ug/kg	34.9	6.46	1	A
Aroclor 1262	ND		ug/kg	34.9	4.44	1	A
Aroclor 1268	ND		ug/kg	34.9	3.62	1	A
PCBs, Total	ND		ug/kg	34.9	3.10	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 13:49
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	3.18	1	A
Aroclor 1221	ND		ug/kg	35.8	3.59	1	A
Aroclor 1232	ND		ug/kg	35.8	7.59	1	A
Aroclor 1242	ND		ug/kg	35.8	4.83	1	A
Aroclor 1248	ND		ug/kg	35.8	5.37	1	A
Aroclor 1254	ND		ug/kg	35.8	3.92	1	A
Aroclor 1260	ND		ug/kg	35.8	6.62	1	A
Aroclor 1262	ND		ug/kg	35.8	4.55	1	A
Aroclor 1268	ND		ug/kg	35.8	3.71	1	A
PCBs, Total	ND		ug/kg	35.8	3.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	35		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 01:27
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.2	3.04	1	A
Aroclor 1221	ND		ug/kg	34.2	3.43	1	A
Aroclor 1232	ND		ug/kg	34.2	7.26	1	A
Aroclor 1242	ND		ug/kg	34.2	4.62	1	A
Aroclor 1248	ND		ug/kg	34.2	5.14	1	A
Aroclor 1254	ND		ug/kg	34.2	3.75	1	A
Aroclor 1260	ND		ug/kg	34.2	6.33	1	A
Aroclor 1262	ND		ug/kg	34.2	4.35	1	A
Aroclor 1268	ND		ug/kg	34.2	3.55	1	A
PCBs, Total	ND		ug/kg	34.2	3.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 01:39
Analyst: HT
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/16/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/16/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.9	3.10	1	A
Aroclor 1221	ND		ug/kg	34.9	3.50	1	A
Aroclor 1232	ND		ug/kg	34.9	7.40	1	A
Aroclor 1242	ND		ug/kg	34.9	4.70	1	A
Aroclor 1248	ND		ug/kg	34.9	5.23	1	A
Aroclor 1254	ND		ug/kg	34.9	3.82	1	A
Aroclor 1260	ND		ug/kg	34.9	6.45	1	A
Aroclor 1262	ND		ug/kg	34.9	4.43	1	A
Aroclor 1268	ND		ug/kg	34.9	3.62	1	A
PCBs, Total	ND		ug/kg	34.9	3.10	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 16:16
Analyst: HT
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/16/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/16/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.6	3.08	1	A
Aroclor 1221	ND		ug/kg	34.6	3.47	1	A
Aroclor 1232	ND		ug/kg	34.6	7.35	1	A
Aroclor 1242	ND		ug/kg	34.6	4.67	1	A
Aroclor 1248	ND		ug/kg	34.6	5.20	1	A
Aroclor 1254	ND		ug/kg	34.6	3.79	1	A
Aroclor 1260	11.9	J	ug/kg	34.6	6.40	1	A
Aroclor 1262	ND		ug/kg	34.6	4.40	1	A
Aroclor 1268	ND		ug/kg	34.6	3.59	1	A
PCBs, Total	11.9	J	ug/kg	34.6	3.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 14:01
Analyst: HT
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.4	3.06	1	A
Aroclor 1221	ND		ug/kg	34.4	3.45	1	A
Aroclor 1232	ND		ug/kg	34.4	7.29	1	A
Aroclor 1242	ND		ug/kg	34.4	4.64	1	A
Aroclor 1248	ND		ug/kg	34.4	5.16	1	A
Aroclor 1254	ND		ug/kg	34.4	3.76	1	A
Aroclor 1260	17.3	J	ug/kg	34.4	6.36	1	A
Aroclor 1262	ND		ug/kg	34.4	4.37	1	A
Aroclor 1268	ND		ug/kg	34.4	3.56	1	A
PCBs, Total	17.3	J	ug/kg	34.4	3.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 13:36
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.6	3.07	1	A
Aroclor 1221	ND		ug/kg	34.6	3.47	1	A
Aroclor 1232	ND		ug/kg	34.6	7.33	1	A
Aroclor 1242	ND		ug/kg	34.6	4.66	1	A
Aroclor 1248	ND		ug/kg	34.6	5.19	1	A
Aroclor 1254	ND		ug/kg	34.6	3.78	1	A
Aroclor 1260	ND		ug/kg	34.6	6.39	1	A
Aroclor 1262	ND		ug/kg	34.6	4.39	1	A
Aroclor 1268	ND		ug/kg	34.6	3.58	1	A
PCBs, Total	ND		ug/kg	34.6	3.07	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 02:14
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.4	3.23	1	A
Aroclor 1221	ND		ug/kg	36.4	3.65	1	A
Aroclor 1232	ND		ug/kg	36.4	7.72	1	A
Aroclor 1242	ND		ug/kg	36.4	4.91	1	A
Aroclor 1248	ND		ug/kg	36.4	5.46	1	A
Aroclor 1254	ND		ug/kg	36.4	3.98	1	A
Aroclor 1260	ND		ug/kg	36.4	6.73	1	A
Aroclor 1262	ND		ug/kg	36.4	4.63	1	A
Aroclor 1268	ND		ug/kg	36.4	3.77	1	A
PCBs, Total	ND		ug/kg	36.4	3.23	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 02:26
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.11	1	A
Aroclor 1221	ND		ug/kg	35.0	3.51	1	A
Aroclor 1232	ND		ug/kg	35.0	7.42	1	A
Aroclor 1242	ND		ug/kg	35.0	4.72	1	A
Aroclor 1248	ND		ug/kg	35.0	5.25	1	A
Aroclor 1254	ND		ug/kg	35.0	3.83	1	A
Aroclor 1260	ND		ug/kg	35.0	6.47	1	A
Aroclor 1262	ND		ug/kg	35.0	4.45	1	A
Aroclor 1268	ND		ug/kg	35.0	3.63	1	A
PCBs, Total	ND		ug/kg	35.0	3.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 15:51
Analyst: HT
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	32.7	2.90	1	A
Aroclor 1221	ND		ug/kg	32.7	3.27	1	A
Aroclor 1232	ND		ug/kg	32.7	6.92	1	A
Aroclor 1242	ND		ug/kg	32.7	4.40	1	A
Aroclor 1248	ND		ug/kg	32.7	4.90	1	A
Aroclor 1254	ND		ug/kg	32.7	3.57	1	A
Aroclor 1260	ND		ug/kg	32.7	6.04	1	A
Aroclor 1262	ND		ug/kg	32.7	4.15	1	A
Aroclor 1268	4.53	J	ug/kg	32.7	3.38	1	B
PCBs, Total	4.53	J	ug/kg	32.7	2.90	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 02:38
Analyst: HT
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/16/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/16/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	3.36	1	A
Aroclor 1221	ND		ug/kg	37.8	3.79	1	A
Aroclor 1232	ND		ug/kg	37.8	8.02	1	A
Aroclor 1242	ND		ug/kg	37.8	5.10	1	A
Aroclor 1248	ND		ug/kg	37.8	5.67	1	A
Aroclor 1254	ND		ug/kg	37.8	4.14	1	A
Aroclor 1260	ND		ug/kg	37.8	6.99	1	A
Aroclor 1262	ND		ug/kg	37.8	4.80	1	A
Aroclor 1268	ND		ug/kg	37.8	3.92	1	A
PCBs, Total	ND		ug/kg	37.8	3.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/15/19 14:01
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 17:34
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	3.15	1	A
Aroclor 1221	ND		ug/kg	35.5	3.56	1	A
Aroclor 1232	ND		ug/kg	35.5	7.52	1	A
Aroclor 1242	ND		ug/kg	35.5	4.78	1	A
Aroclor 1248	ND		ug/kg	35.5	5.32	1	A
Aroclor 1254	ND		ug/kg	35.5	3.88	1	A
Aroclor 1260	ND		ug/kg	35.5	6.56	1	A
Aroclor 1262	ND		ug/kg	35.5	4.51	1	A
Aroclor 1268	ND		ug/kg	35.5	3.68	1	A
PCBs, Total	ND		ug/kg	35.5	3.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/16/19 17:54
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 09/14/19 01:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-16 Batch: WG1284066-1						
Aroclor 1016	ND		ug/kg	31.7	2.82	A
Aroclor 1221	ND		ug/kg	31.7	3.18	A
Aroclor 1232	ND		ug/kg	31.7	6.72	A
Aroclor 1242	ND		ug/kg	31.7	4.27	A
Aroclor 1248	ND		ug/kg	31.7	4.76	A
Aroclor 1254	ND		ug/kg	31.7	3.47	A
Aroclor 1260	ND		ug/kg	31.7	5.86	A
Aroclor 1262	ND		ug/kg	31.7	4.03	A
Aroclor 1268	ND		ug/kg	31.7	3.28	A
PCBs, Total	ND		ug/kg	31.7	2.82	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/15/19 12:22
Analyst: AWS

Extraction Method: EPA 3546
Extraction Date: 09/14/19 17:34
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 17 Batch: WG1284265-1						
Aroclor 1016	ND		ug/kg	32.2	2.86	A
Aroclor 1221	ND		ug/kg	32.2	3.23	A
Aroclor 1232	ND		ug/kg	32.2	6.83	A
Aroclor 1242	ND		ug/kg	32.2	4.34	A
Aroclor 1248	ND		ug/kg	32.2	4.84	A
Aroclor 1254	ND		ug/kg	32.2	3.53	A
Aroclor 1260	ND		ug/kg	32.2	5.96	A
Aroclor 1262	ND		ug/kg	32.2	4.09	A
Aroclor 1268	ND		ug/kg	32.2	3.34	A
PCBs, Total	ND		ug/kg	32.2	2.86	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	91		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-16 Batch: WG1284066-2 WG1284066-3									
Aroclor 1016	77		80		40-140	4		50	A
Aroclor 1260	43		46		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		98		30-150	A
Decachlorobiphenyl	44		46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		96		30-150	B
Decachlorobiphenyl	49		50		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 17 Batch: WG1284265-2 WG1284265-3									
Aroclor 1016	83		76		40-140	9		50	A
Aroclor 1260	86		76		40-140	12		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		81		30-150	A
Decachlorobiphenyl	93		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		76		30-150	B
Decachlorobiphenyl	93		89		30-150	B

PESTICIDES

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 07:20
Analyst: AMC
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.360	1	A
Lindane	ND		ug/kg	0.765	0.342	1	A
Alpha-BHC	ND		ug/kg	0.765	0.217	1	A
Beta-BHC	ND		ug/kg	1.84	0.696	1	A
Heptachlor	ND		ug/kg	0.918	0.412	1	A
Aldrin	ND		ug/kg	1.84	0.647	1	A
Heptachlor epoxide	ND		ug/kg	3.44	1.03	1	A
Endrin	ND		ug/kg	0.765	0.314	1	A
Endrin aldehyde	ND		ug/kg	2.30	0.804	1	A
Endrin ketone	ND		ug/kg	1.84	0.473	1	A
Dieldrin	1.29		ug/kg	1.15	0.574	1	B
4,4'-DDE	0.851	J	ug/kg	1.84	0.425	1	A
4,4'-DDD	1.25	J	ug/kg	1.84	0.655	1	B
4,4'-DDT	1.66	JIP	ug/kg	3.44	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.434	1	A
Endosulfan II	ND		ug/kg	1.84	0.614	1	A
Endosulfan sulfate	ND		ug/kg	0.765	0.364	1	A
Methoxychlor	ND		ug/kg	3.44	1.07	1	A
Toxaphene	ND		ug/kg	34.4	9.64	1	A
cis-Chlordane	7.17		ug/kg	2.30	0.640	1	A
trans-Chlordane	4.89	IP	ug/kg	2.30	0.606	1	B
Chlordane	76.0		ug/kg	14.9	6.08	1	B

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	94		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	57		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 07:32
Analyst: AMC
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.343	1	A
Lindane	ND		ug/kg	0.731	0.327	1	A
Alpha-BHC	ND		ug/kg	0.731	0.208	1	A
Beta-BHC	ND		ug/kg	1.75	0.665	1	A
Heptachlor	ND		ug/kg	0.877	0.393	1	A
Aldrin	ND		ug/kg	1.75	0.618	1	A
Heptachlor epoxide	ND	IP	ug/kg	3.29	0.986	1	B
Endrin	ND		ug/kg	0.731	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.19	0.767	1	A
Endrin ketone	ND		ug/kg	1.75	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.548	1	A
4,4'-DDE	ND		ug/kg	1.75	0.406	1	A
4,4'-DDD	ND		ug/kg	1.75	0.626	1	A
4,4'-DDT	5.33	IP	ug/kg	3.29	1.41	1	A
Endosulfan I	ND		ug/kg	1.75	0.414	1	A
Endosulfan II	ND		ug/kg	1.75	0.586	1	A
Endosulfan sulfate	ND		ug/kg	0.731	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.21	1	A
cis-Chlordane	17.8		ug/kg	2.19	0.611	1	A
trans-Chlordane	14.9		ug/kg	2.19	0.579	1	A
Chlordane	142		ug/kg	14.2	5.81	1	B

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	**225**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	67		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 07:45
Analyst: AMC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.342	1	A
Lindane	ND		ug/kg	0.728	0.325	1	A
Alpha-BHC	ND		ug/kg	0.728	0.207	1	A
Beta-BHC	ND		ug/kg	1.75	0.662	1	A
Heptachlor	ND		ug/kg	0.873	0.392	1	A
Aldrin	ND		ug/kg	1.75	0.615	1	A
Heptachlor epoxide	ND		ug/kg	3.27	0.982	1	B
Endrin	ND		ug/kg	0.728	0.298	1	A
Endrin aldehyde	ND		ug/kg	2.18	0.764	1	A
Endrin ketone	ND		ug/kg	1.75	0.450	1	A
Dieldrin	10.2		ug/kg	1.09	0.546	1	B
4,4'-DDE	2.98		ug/kg	1.75	0.404	1	B
4,4'-DDD	1.96		ug/kg	1.75	0.623	1	B
4,4'-DDT	8.03		ug/kg	3.27	1.40	1	B
Endosulfan I	ND		ug/kg	1.75	0.413	1	A
Endosulfan II	ND		ug/kg	1.75	0.584	1	A
Endosulfan sulfate	ND		ug/kg	0.728	0.346	1	A
Methoxychlor	ND		ug/kg	3.27	1.02	1	A
Toxaphene	ND		ug/kg	32.7	9.17	1	A
cis-Chlordane	6.78		ug/kg	2.18	0.608	1	A
trans-Chlordane	3.81	IP	ug/kg	2.18	0.576	1	B
Chlordane	75.3		ug/kg	14.2	5.78	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	97		30-150	B
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	46		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 07:58
Analyst: AMC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.331	1	A
Lindane	ND		ug/kg	0.704	0.314	1	A
Alpha-BHC	ND		ug/kg	0.704	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.640	1	A
Heptachlor	ND		ug/kg	0.844	0.379	1	A
Aldrin	ND		ug/kg	1.69	0.595	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.950	1	A
Endrin	ND		ug/kg	0.704	0.288	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.739	1	A
Endrin ketone	ND		ug/kg	1.69	0.435	1	A
Dieldrin	23.4		ug/kg	1.06	0.528	1	A
4,4'-DDE	41.7		ug/kg	1.69	0.390	1	B
4,4'-DDD	156	E	ug/kg	1.69	0.602	1	B
4,4'-DDT	ND		ug/kg	3.17	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.399	1	A
Endosulfan II	ND		ug/kg	1.69	0.564	1	A
Endosulfan sulfate	ND		ug/kg	0.704	0.335	1	A
Methoxychlor	ND		ug/kg	3.17	0.985	1	A
Toxaphene	ND		ug/kg	31.7	8.87	1	A
cis-Chlordane	28.6		ug/kg	2.11	0.588	1	B
trans-Chlordane	22.2		ug/kg	2.11	0.557	1	A
Chlordane	499	P	ug/kg	13.7	5.59	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	**464**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**502**	Q	30-150	A
Decachlorobiphenyl	57		30-150	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04 D
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 15:26
Analyst: AMC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDD	173		ug/kg	3.38	1.20	2	B

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 01:28
Analyst: AMC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.339	1	A
Lindane	ND		ug/kg	0.722	0.323	1	A
Alpha-BHC	ND		ug/kg	0.722	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.657	1	A
Heptachlor	ND		ug/kg	0.866	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.610	1	A
Heptachlor epoxide	ND		ug/kg	3.25	0.974	1	A
Endrin	ND		ug/kg	0.722	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.758	1	A
Endrin ketone	ND		ug/kg	1.73	0.446	1	A
Dieldrin	0.970	J	ug/kg	1.08	0.541	1	B
4,4'-DDE	0.650	JIP	ug/kg	1.73	0.401	1	A
4,4'-DDD	5.58		ug/kg	1.73	0.618	1	A
4,4'-DDT	1.53	J	ug/kg	3.25	1.39	1	B
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.579	1	A
Endosulfan sulfate	ND		ug/kg	0.722	0.344	1	A
Methoxychlor	ND		ug/kg	3.25	1.01	1	A
Toxaphene	ND		ug/kg	32.5	9.10	1	A
cis-Chlordane	ND	IP	ug/kg	2.16	0.604	1	A
trans-Chlordane	ND	IP	ug/kg	2.16	0.572	1	B
Chlordane	ND		ug/kg	14.1	5.74	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	89		30-150	B
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	71		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 04:12
Analyst: AMC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.332	1	A
Lindane	ND		ug/kg	0.706	0.316	1	A
Alpha-BHC	ND		ug/kg	0.706	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.642	1	A
Heptachlor	ND		ug/kg	0.847	0.380	1	A
Aldrin	ND		ug/kg	1.69	0.597	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.953	1	A
Endrin	ND		ug/kg	0.706	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.741	1	A
Endrin ketone	ND		ug/kg	1.69	0.436	1	A
Dieldrin	0.546	J	ug/kg	1.06	0.530	1	B
4,4'-DDE	ND	IP	ug/kg	1.69	0.392	1	A
4,4'-DDD	ND		ug/kg	1.69	0.604	1	A
4,4'-DDT	1.60	J	ug/kg	3.18	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.400	1	A
Endosulfan II	ND		ug/kg	1.69	0.566	1	A
Endosulfan sulfate	ND		ug/kg	0.706	0.336	1	A
Methoxychlor	ND		ug/kg	3.18	0.988	1	A
Toxaphene	ND		ug/kg	31.8	8.90	1	A
cis-Chlordane	2.68	IP	ug/kg	2.12	0.590	1	B
trans-Chlordane	3.86		ug/kg	2.12	0.559	1	A
Chlordane	ND		ug/kg	13.8	5.61	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	112		30-150	B
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	93		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 06:42
Analyst: AMC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.340	1	A
Lindane	ND		ug/kg	0.723	0.323	1	A
Alpha-BHC	ND		ug/kg	0.723	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.658	1	A
Heptachlor	ND	IP	ug/kg	0.867	0.389	1	B
Aldrin	ND		ug/kg	1.73	0.611	1	A
Heptachlor epoxide	4.65	IP	ug/kg	3.25	0.976	1	B
Endrin	ND		ug/kg	0.723	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.759	1	A
Endrin ketone	ND		ug/kg	1.73	0.447	1	A
Dieldrin	ND		ug/kg	1.08	0.542	1	A
4,4'-DDE	6.47		ug/kg	1.73	0.401	1	B
4,4'-DDD	18.3		ug/kg	1.73	0.619	1	B
4,4'-DDT	ND	IP	ug/kg	3.25	1.40	1	A
Endosulfan I	ND		ug/kg	1.73	0.410	1	A
Endosulfan II	ND		ug/kg	1.73	0.580	1	A
Endosulfan sulfate	ND		ug/kg	0.723	0.344	1	A
Methoxychlor	ND		ug/kg	3.25	1.01	1	A
Toxaphene	ND		ug/kg	32.5	9.11	1	A
cis-Chlordane	186	IPE	ug/kg	2.17	0.604	1	B
trans-Chlordane	199	E	ug/kg	2.17	0.572	1	A
Chlordane	1960		ug/kg	14.1	5.75	1	B

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	61		30-150	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07 D
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 15:15
Analyst: SL
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
cis-Chlordane	281	IP	ug/kg	10.8	3.02	5	B
trans-Chlordane	289		ug/kg	10.8	2.86	5	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 01:41
Analyst: AMC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.326	1	A
Lindane	ND		ug/kg	0.694	0.310	1	A
Alpha-BHC	ND		ug/kg	0.694	0.197	1	A
Beta-BHC	ND		ug/kg	1.66	0.632	1	A
Heptachlor	ND		ug/kg	0.833	0.373	1	A
Aldrin	ND		ug/kg	1.66	0.586	1	A
Heptachlor epoxide	ND		ug/kg	3.12	0.937	1	A
Endrin	ND		ug/kg	0.694	0.284	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.729	1	A
Endrin ketone	ND		ug/kg	1.66	0.429	1	A
Dieldrin	ND		ug/kg	1.04	0.520	1	A
4,4'-DDE	1.36	J	ug/kg	1.66	0.385	1	B
4,4'-DDD	4.85		ug/kg	1.66	0.594	1	A
4,4'-DDT	ND		ug/kg	3.12	1.34	1	B
Endosulfan I	ND		ug/kg	1.66	0.394	1	A
Endosulfan II	ND		ug/kg	1.66	0.557	1	A
Endosulfan sulfate	ND		ug/kg	0.694	0.330	1	A
Methoxychlor	ND		ug/kg	3.12	0.972	1	A
Toxaphene	ND		ug/kg	31.2	8.74	1	A
cis-Chlordane	ND		ug/kg	2.08	0.580	1	A
trans-Chlordane	ND		ug/kg	2.08	0.550	1	A
Chlordane	ND		ug/kg	13.5	5.52	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	75		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 01:53
Analyst: AMC
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.322	1	A
Lindane	ND		ug/kg	0.684	0.306	1	A
Alpha-BHC	ND		ug/kg	0.684	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.622	1	A
Heptachlor	ND		ug/kg	0.821	0.368	1	A
Aldrin	ND		ug/kg	1.64	0.578	1	A
Heptachlor epoxide	ND		ug/kg	3.08	0.924	1	A
Endrin	ND		ug/kg	0.684	0.280	1	A
Endrin aldehyde	ND		ug/kg	2.05	0.718	1	A
Endrin ketone	ND		ug/kg	1.64	0.423	1	A
Dieldrin	ND		ug/kg	1.03	0.513	1	A
4,4'-DDE	ND		ug/kg	1.64	0.380	1	A
4,4'-DDD	ND		ug/kg	1.64	0.586	1	A
4,4'-DDT	ND		ug/kg	3.08	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.388	1	A
Endosulfan II	ND		ug/kg	1.64	0.549	1	A
Endosulfan sulfate	ND		ug/kg	0.684	0.326	1	A
Methoxychlor	ND		ug/kg	3.08	0.958	1	A
Toxaphene	ND		ug/kg	30.8	8.62	1	A
cis-Chlordane	10.9		ug/kg	2.05	0.572	1	A
trans-Chlordane	9.71		ug/kg	2.05	0.542	1	A
Chlordane	79.6		ug/kg	13.3	5.44	1	B

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	110		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	79		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 07:07
Analyst: AMC
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.58	0.310	1	A
Lindane	ND		ug/kg	0.660	0.295	1	A
Alpha-BHC	ND		ug/kg	0.660	0.187	1	A
Beta-BHC	ND		ug/kg	1.58	0.600	1	A
Heptachlor	ND		ug/kg	0.792	0.355	1	A
Aldrin	ND		ug/kg	1.58	0.558	1	A
Heptachlor epoxide	2.01	JP	ug/kg	2.97	0.891	1	A
Endrin	ND		ug/kg	0.660	0.270	1	A
Endrin aldehyde	ND		ug/kg	1.98	0.693	1	A
Endrin ketone	ND		ug/kg	1.58	0.408	1	A
Dieldrin	1.50		ug/kg	0.990	0.495	1	A
4,4'-DDE	1.27	J	ug/kg	1.58	0.366	1	A
4,4'-DDD	ND		ug/kg	1.58	0.565	1	A
4,4'-DDT	6.24		ug/kg	2.97	1.27	1	A
Endosulfan I	ND		ug/kg	1.58	0.374	1	A
Endosulfan II	ND		ug/kg	1.58	0.529	1	A
Endosulfan sulfate	ND		ug/kg	0.660	0.314	1	A
Methoxychlor	ND		ug/kg	2.97	0.924	1	A
Toxaphene	ND		ug/kg	29.7	8.32	1	A
cis-Chlordane	25.4	P	ug/kg	1.98	0.552	1	A
trans-Chlordane	17.8		ug/kg	1.98	0.523	1	A
Chlordane	127		ug/kg	12.9	5.25	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	57		30-150	B
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	53		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 06:55
Analyst: AMC
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.326	1	A
Lindane	ND		ug/kg	0.694	0.310	1	A
Alpha-BHC	ND		ug/kg	0.694	0.197	1	A
Beta-BHC	ND		ug/kg	1.66	0.631	1	A
Heptachlor	ND		ug/kg	0.833	0.373	1	A
Aldrin	ND		ug/kg	1.66	0.586	1	A
Heptachlor epoxide	1.00	JIP	ug/kg	3.12	0.937	1	B
Endrin	ND		ug/kg	0.694	0.284	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.728	1	A
Endrin ketone	ND		ug/kg	1.66	0.429	1	A
Dieldrin	1.62		ug/kg	1.04	0.520	1	B
4,4'-DDE	1.52	J	ug/kg	1.66	0.385	1	B
4,4'-DDD	ND		ug/kg	1.66	0.594	1	A
4,4'-DDT	9.13		ug/kg	3.12	1.34	1	A
Endosulfan I	ND		ug/kg	1.66	0.393	1	A
Endosulfan II	ND		ug/kg	1.66	0.556	1	A
Endosulfan sulfate	ND		ug/kg	0.694	0.330	1	A
Methoxychlor	ND		ug/kg	3.12	0.971	1	A
Toxaphene	ND		ug/kg	31.2	8.74	1	A
cis-Chlordane	21.0	IP	ug/kg	2.08	0.580	1	B
trans-Chlordane	28.7		ug/kg	2.08	0.550	1	A
Chlordane	ND		ug/kg	13.5	5.52	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	87		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	73		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 06:30
Analyst: AMC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.323	1	A
Lindane	ND		ug/kg	0.687	0.307	1	A
Alpha-BHC	ND		ug/kg	0.687	0.195	1	A
Beta-BHC	ND		ug/kg	1.65	0.625	1	A
Heptachlor	ND		ug/kg	0.824	0.369	1	A
Aldrin	ND		ug/kg	1.65	0.580	1	A
Heptachlor epoxide	ND		ug/kg	3.09	0.927	1	A
Endrin	ND		ug/kg	0.687	0.282	1	A
Endrin aldehyde	ND		ug/kg	2.06	0.721	1	A
Endrin ketone	ND		ug/kg	1.65	0.424	1	A
Dieldrin	1.07		ug/kg	1.03	0.515	1	B
4,4'-DDE	134		ug/kg	1.65	0.381	1	B
4,4'-DDD	2.05	IP	ug/kg	1.65	0.588	1	A
4,4'-DDT	521	E	ug/kg	3.09	1.32	1	B
Endosulfan I	ND		ug/kg	1.65	0.389	1	A
Endosulfan II	ND		ug/kg	1.65	0.551	1	A
Endosulfan sulfate	ND		ug/kg	0.687	0.327	1	A
Methoxychlor	ND		ug/kg	3.09	0.961	1	A
Toxaphene	ND		ug/kg	30.9	8.65	1	A
cis-Chlordane	1.02	JIP	ug/kg	2.06	0.574	1	A
trans-Chlordane	ND		ug/kg	2.06	0.544	1	A
Chlordane	ND		ug/kg	13.4	5.46	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	95		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	54		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12 D
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 16:26
Analyst: AMC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDT	589		ug/kg	30.9	13.2	10	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 02:06
Analyst: AMC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.328	1	A
Lindane	ND		ug/kg	0.697	0.311	1	A
Alpha-BHC	ND		ug/kg	0.697	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.634	1	A
Heptachlor	ND		ug/kg	0.836	0.375	1	A
Aldrin	ND		ug/kg	1.67	0.589	1	A
Heptachlor epoxide	ND		ug/kg	3.14	0.941	1	A
Endrin	ND		ug/kg	0.697	0.286	1	A
Endrin aldehyde	ND		ug/kg	2.09	0.732	1	A
Endrin ketone	ND		ug/kg	1.67	0.431	1	A
Dieldrin	ND		ug/kg	1.04	0.523	1	B
4,4'-DDE	ND		ug/kg	1.67	0.387	1	A
4,4'-DDD	ND		ug/kg	1.67	0.596	1	A
4,4'-DDT	ND		ug/kg	3.14	1.34	1	A
Endosulfan I	ND		ug/kg	1.67	0.395	1	A
Endosulfan II	ND		ug/kg	1.67	0.559	1	A
Endosulfan sulfate	ND		ug/kg	0.697	0.332	1	A
Methoxychlor	ND		ug/kg	3.14	0.976	1	A
Toxaphene	ND		ug/kg	31.4	8.78	1	A
cis-Chlordane	ND		ug/kg	2.09	0.582	1	A
trans-Chlordane	ND		ug/kg	2.09	0.552	1	A
Chlordane	ND		ug/kg	13.6	5.54	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	104		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	91		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 04:24
Analyst: AMC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.345	1	A
Lindane	ND		ug/kg	0.734	0.328	1	A
Alpha-BHC	ND		ug/kg	0.734	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.668	1	A
Heptachlor	ND		ug/kg	0.881	0.395	1	A
Aldrin	ND		ug/kg	1.76	0.620	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.991	1	A
Endrin	ND		ug/kg	0.734	0.301	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.771	1	A
Endrin ketone	ND		ug/kg	1.76	0.454	1	A
Dieldrin	ND		ug/kg	1.10	0.551	1	A
4,4'-DDE	ND		ug/kg	1.76	0.408	1	A
4,4'-DDD	ND		ug/kg	1.76	0.629	1	A
4,4'-DDT	ND		ug/kg	3.30	1.42	1	A
Endosulfan I	ND		ug/kg	1.76	0.416	1	A
Endosulfan II	ND		ug/kg	1.76	0.589	1	A
Endosulfan sulfate	ND		ug/kg	0.734	0.350	1	A
Methoxychlor	ND		ug/kg	3.30	1.03	1	A
Toxaphene	ND		ug/kg	33.0	9.25	1	A
cis-Chlordane	ND		ug/kg	2.20	0.614	1	A
trans-Chlordane	ND		ug/kg	2.20	0.582	1	A
Chlordane	ND		ug/kg	14.3	5.84	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	97		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	63		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 08:10
Analyst: AMC
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.55	0.304	1	A
Lindane	ND		ug/kg	0.646	0.289	1	A
Alpha-BHC	ND		ug/kg	0.646	0.184	1	A
Beta-BHC	ND		ug/kg	1.55	0.588	1	A
Heptachlor	ND		ug/kg	0.775	0.348	1	A
Aldrin	ND		ug/kg	1.55	0.546	1	A
Heptachlor epoxide	ND		ug/kg	2.91	0.872	1	A
Endrin	ND		ug/kg	0.646	0.265	1	A
Endrin aldehyde	ND		ug/kg	1.94	0.678	1	A
Endrin ketone	ND		ug/kg	1.55	0.399	1	A
Dieldrin	ND		ug/kg	0.969	0.485	1	A
4,4'-DDE	ND		ug/kg	1.55	0.359	1	A
4,4'-DDD	ND		ug/kg	1.55	0.553	1	A
4,4'-DDT	ND		ug/kg	2.91	1.25	1	A
Endosulfan I	ND		ug/kg	1.55	0.366	1	A
Endosulfan II	ND		ug/kg	1.55	0.518	1	A
Endosulfan sulfate	ND		ug/kg	0.646	0.308	1	A
Methoxychlor	ND		ug/kg	2.91	0.905	1	A
Toxaphene	ND		ug/kg	29.1	8.14	1	A
cis-Chlordane	ND		ug/kg	1.94	0.540	1	A
trans-Chlordane	ND		ug/kg	1.94	0.512	1	A
Chlordane	ND		ug/kg	12.6	5.14	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	**12800**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	**399**	Q	30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 02:19
Analyst: AMC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.352	1	A
Lindane	ND		ug/kg	0.748	0.334	1	A
Alpha-BHC	ND		ug/kg	0.748	0.212	1	A
Beta-BHC	ND		ug/kg	1.80	0.681	1	A
Heptachlor	ND		ug/kg	0.898	0.402	1	A
Aldrin	ND		ug/kg	1.80	0.632	1	A
Heptachlor epoxide	ND		ug/kg	3.37	1.01	1	A
Endrin	ND		ug/kg	0.748	0.307	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.785	1	A
Endrin ketone	ND		ug/kg	1.80	0.462	1	A
Dieldrin	ND		ug/kg	1.12	0.561	1	A
4,4'-DDE	ND		ug/kg	1.80	0.415	1	A
4,4'-DDD	ND		ug/kg	1.80	0.640	1	A
4,4'-DDT	ND		ug/kg	3.37	1.44	1	A
Endosulfan I	ND		ug/kg	1.80	0.424	1	A
Endosulfan II	ND		ug/kg	1.80	0.600	1	A
Endosulfan sulfate	ND		ug/kg	0.748	0.356	1	A
Methoxychlor	ND		ug/kg	3.37	1.05	1	A
Toxaphene	ND		ug/kg	33.7	9.42	1	A
cis-Chlordane	ND		ug/kg	2.24	0.625	1	A
trans-Chlordane	ND		ug/kg	2.24	0.592	1	A
Chlordane	ND		ug/kg	14.6	5.95	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	109		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	67		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 12:31
Analyst: BM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 16:08
Cleanup Method: EPA 3620B
Cleanup Date: 09/16/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.331	1	A
Lindane	ND		ug/kg	0.704	0.315	1	A
Alpha-BHC	ND		ug/kg	0.704	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.641	1	A
Heptachlor	ND		ug/kg	0.845	0.379	1	A
Aldrin	ND		ug/kg	1.69	0.595	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.950	1	A
Endrin	ND		ug/kg	0.704	0.289	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.739	1	A
Endrin ketone	ND		ug/kg	1.69	0.435	1	A
Dieldrin	ND		ug/kg	1.06	0.528	1	A
4,4'-DDE	1.04	JP	ug/kg	1.69	0.391	1	A
4,4'-DDD	ND		ug/kg	1.69	0.603	1	A
4,4'-DDT	1.91	J	ug/kg	3.17	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.399	1	A
Endosulfan II	ND		ug/kg	1.69	0.565	1	A
Endosulfan sulfate	ND		ug/kg	0.704	0.335	1	A
Methoxychlor	ND		ug/kg	3.17	0.986	1	A
Toxaphene	ND		ug/kg	31.7	8.87	1	A
cis-Chlordane	ND		ug/kg	2.11	0.588	1	A
trans-Chlordane	ND		ug/kg	2.11	0.558	1	A
Chlordane	ND		ug/kg	13.7	5.60	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	70		30-150	B
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	80		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/19 01:16
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-16 Batch: WG1284053-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.642	0.287	A
Alpha-BHC	ND		ug/kg	0.642	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.584	A
Heptachlor	ND		ug/kg	0.770	0.345	A
Aldrin	ND		ug/kg	1.54	0.542	A
Heptachlor epoxide	ND		ug/kg	2.89	0.866	A
Endrin	ND		ug/kg	0.642	0.263	A
Endrin aldehyde	ND		ug/kg	1.92	0.674	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.963	0.481	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.549	A
4,4'-DDT	ND		ug/kg	2.89	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.364	A
Endosulfan II	ND		ug/kg	1.54	0.515	A
Endosulfan sulfate	ND		ug/kg	0.642	0.306	A
Methoxychlor	ND		ug/kg	2.89	0.898	A
Toxaphene	ND		ug/kg	28.9	8.09	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.508	A
Chlordane	ND		ug/kg	12.5	5.10	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/19 01:16
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/14/19 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-16 Batch: WG1284053-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	98		30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	71		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/19 11:57
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 09/14/19 16:08
Cleanup Method: EPA 3620B
Cleanup Date: 09/16/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 17 Batch: WG1285556-1						
Delta-BHC	ND		ug/kg	1.59	0.311	A
Lindane	ND		ug/kg	0.662	0.296	A
Alpha-BHC	ND		ug/kg	0.662	0.188	A
Beta-BHC	ND		ug/kg	1.59	0.602	A
Heptachlor	ND		ug/kg	0.794	0.356	A
Aldrin	ND		ug/kg	1.59	0.559	A
Heptachlor epoxide	ND		ug/kg	2.98	0.893	A
Endrin	ND		ug/kg	0.662	0.271	A
Endrin aldehyde	ND		ug/kg	1.98	0.695	A
Endrin ketone	ND		ug/kg	1.59	0.409	A
Dieldrin	ND		ug/kg	0.993	0.496	A
4,4'-DDE	ND		ug/kg	1.59	0.367	A
4,4'-DDD	ND		ug/kg	1.59	0.566	A
4,4'-DDT	ND		ug/kg	2.98	1.28	A
Endosulfan I	ND		ug/kg	1.59	0.375	A
Endosulfan II	ND		ug/kg	1.59	0.531	A
Endosulfan sulfate	ND		ug/kg	0.662	0.315	A
Methoxychlor	ND		ug/kg	2.98	0.926	A
Toxaphene	ND		ug/kg	29.8	8.34	A
cis-Chlordane	ND		ug/kg	1.98	0.553	A
trans-Chlordane	ND		ug/kg	1.98	0.524	A
Chlordane	ND		ug/kg	12.9	5.26	A

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/19 11:57
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 09/14/19 16:08
Cleanup Method: EPA 3620B
Cleanup Date: 09/16/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 17 Batch: WG1285556-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	65		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-16 Batch: WG1284053-2 WG1284053-3									
Delta-BHC	116		97		30-150	18		30	A
Lindane	114		88		30-150	26		30	A
Alpha-BHC	118		101		30-150	16		30	A
Beta-BHC	104		88		30-150	17		30	A
Heptachlor	113		95		30-150	17		30	A
Aldrin	106		91		30-150	15		30	A
Heptachlor epoxide	106		88		30-150	19		30	A
Endrin	107		96		30-150	11		30	A
Endrin aldehyde	59		63		30-150	7		30	A
Endrin ketone	75		79		30-150	5		30	A
Dieldrin	111		99		30-150	11		30	A
4,4'-DDE	104		96		30-150	8		30	A
4,4'-DDD	103		95		30-150	8		30	A
4,4'-DDT	103		96		30-150	7		30	A
Endosulfan I	98		89		30-150	10		30	A
Endosulfan II	94		90		30-150	4		30	A
Endosulfan sulfate	66		77		30-150	15		30	A
Methoxychlor	84		82		30-150	2		30	A
cis-Chlordane	87		78		30-150	11		30	A
trans-Chlordane	93		72		30-150	25		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-16 Batch: WG1284053-2 WG1284053-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		87		30-150	B
Decachlorobiphenyl	70		64		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		85		30-150	A
Decachlorobiphenyl	69		66		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 17 Batch: WG1285556-2 WG1285556-3									
Delta-BHC	117		90		30-150	26		30	A
Lindane	112		87		30-150	25		30	A
Alpha-BHC	119		94		30-150	23		30	A
Beta-BHC	106		83		30-150	24		30	A
Heptachlor	115		94		30-150	20		30	A
Aldrin	107		84		30-150	24		30	A
Heptachlor epoxide	108		80		30-150	30		30	A
Endrin	111		90		30-150	21		30	A
Endrin aldehyde	69		57		30-150	19		30	A
Endrin ketone	92		75		30-150	20		30	A
Dieldrin	116		91		30-150	24		30	A
4,4'-DDE	108		84		30-150	25		30	A
4,4'-DDD	111		90		30-150	21		30	A
4,4'-DDT	105		91		30-150	14		30	A
Endosulfan I	100		79		30-150	23		30	A
Endosulfan II	104		84		30-150	21		30	A
Endosulfan sulfate	95		74		30-150	25		30	A
Methoxychlor	93		75		30-150	21		30	A
cis-Chlordane	88		69		30-150	24		30	A
trans-Chlordane	96		70		30-150	**31**	Q	30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 17 Batch: WG1285556-2 WG1285556-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		84		30-150	B
Decachlorobiphenyl	70		61		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		78		30-150	A
Decachlorobiphenyl	69		63		30-150	A

METALS

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11400		mg/kg	9.34	2.52	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.67	0.355	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Arsenic, Total	2.57		mg/kg	0.934	0.194	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Barium, Total	185		mg/kg	0.934	0.162	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Beryllium, Total	0.205	J	mg/kg	0.467	0.031	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.934	0.092	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Calcium, Total	23800		mg/kg	9.34	3.27	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Chromium, Total	27.5		mg/kg	0.934	0.090	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Cobalt, Total	8.98		mg/kg	1.87	0.155	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Copper, Total	28.4		mg/kg	0.934	0.241	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Iron, Total	18600		mg/kg	4.67	0.843	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Lead, Total	97.0		mg/kg	4.67	0.250	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Magnesium, Total	12300		mg/kg	9.34	1.44	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Manganese, Total	267		mg/kg	0.934	0.148	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Mercury, Total	0.404		mg/kg	0.075	0.049	1	09/17/19 04:30	09/17/19 15:44	EPA 7471B	1,7471B	GD
Nickel, Total	19.1		mg/kg	2.34	0.226	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Potassium, Total	3140		mg/kg	234	13.4	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.87	0.241	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.934	0.264	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Sodium, Total	493		mg/kg	187	2.94	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.87	0.294	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Vanadium, Total	32.8		mg/kg	0.934	0.190	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC
Zinc, Total	129		mg/kg	4.67	0.274	2	09/16/19 22:20	09/17/19 17:42	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8320		mg/kg	8.80	2.38	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Antimony, Total	3.63	J	mg/kg	4.40	0.334	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Arsenic, Total	5.67		mg/kg	0.880	0.183	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Barium, Total	135		mg/kg	0.880	0.153	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Beryllium, Total	0.176	J	mg/kg	0.440	0.029	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.880	0.086	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Calcium, Total	25100		mg/kg	8.80	3.08	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Chromium, Total	22.5		mg/kg	0.880	0.084	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Cobalt, Total	7.82		mg/kg	1.76	0.146	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Copper, Total	59.9		mg/kg	0.880	0.227	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Iron, Total	16500		mg/kg	4.40	0.794	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Lead, Total	354		mg/kg	4.40	0.236	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Magnesium, Total	6870		mg/kg	8.80	1.35	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Manganese, Total	397		mg/kg	0.880	0.140	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Mercury, Total	1.00		mg/kg	0.071	0.046	1	09/17/19 04:30	09/17/19 16:04	EPA 7471B	1,7471B	GD
Nickel, Total	16.0		mg/kg	2.20	0.213	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Potassium, Total	2380		mg/kg	220	12.7	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.76	0.227	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.880	0.249	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Sodium, Total	242		mg/kg	176	2.77	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.76	0.277	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Vanadium, Total	28.4		mg/kg	0.880	0.178	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC
Zinc, Total	186		mg/kg	4.40	0.258	2	09/16/19 22:20	09/17/19 18:00	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11800		mg/kg	8.58	2.32	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.29	0.326	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Arsenic, Total	1.29		mg/kg	0.858	0.178	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Barium, Total	172		mg/kg	0.858	0.149	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Beryllium, Total	0.120	J	mg/kg	0.429	0.028	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.858	0.084	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Calcium, Total	15700		mg/kg	8.58	3.00	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Chromium, Total	24.9		mg/kg	0.858	0.082	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Cobalt, Total	10.6		mg/kg	1.72	0.142	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Copper, Total	29.9		mg/kg	0.858	0.221	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Iron, Total	19600		mg/kg	4.29	0.774	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Lead, Total	67.2		mg/kg	4.29	0.230	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Magnesium, Total	9540		mg/kg	8.58	1.32	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Manganese, Total	335		mg/kg	0.858	0.136	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.070	0.045	1	09/17/19 04:30	09/17/19 16:08	EPA 7471B	1,7471B	GD
Nickel, Total	17.0		mg/kg	2.14	0.208	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Potassium, Total	6420		mg/kg	214	12.3	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.72	0.221	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.858	0.243	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Sodium, Total	618		mg/kg	172	2.70	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.72	0.270	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Vanadium, Total	40.2		mg/kg	0.858	0.174	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC
Zinc, Total	202		mg/kg	4.29	0.251	2	09/16/19 22:20	09/17/19 18:04	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4420		mg/kg	8.67	2.34	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.34	0.330	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Arsenic, Total	2.13		mg/kg	0.867	0.180	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Barium, Total	197		mg/kg	0.867	0.151	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Beryllium, Total	0.052	J	mg/kg	0.434	0.029	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.867	0.085	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Calcium, Total	17400		mg/kg	8.67	3.04	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Chromium, Total	13.5		mg/kg	0.867	0.083	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Cobalt, Total	3.90		mg/kg	1.73	0.144	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Copper, Total	14.0		mg/kg	0.867	0.224	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Iron, Total	8010		mg/kg	4.34	0.783	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Lead, Total	126		mg/kg	4.34	0.232	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Magnesium, Total	2770		mg/kg	8.67	1.34	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Manganese, Total	113		mg/kg	0.867	0.138	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Mercury, Total	0.302		mg/kg	0.070	0.045	1	09/17/19 04:30	09/17/19 16:11	EPA 7471B	1,7471B	GD
Nickel, Total	8.43		mg/kg	2.17	0.210	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Potassium, Total	1180		mg/kg	217	12.5	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.73	0.224	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.867	0.245	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Sodium, Total	171	J	mg/kg	173	2.73	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.73	0.273	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Vanadium, Total	15.8		mg/kg	0.867	0.176	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC
Zinc, Total	254		mg/kg	4.34	0.254	2	09/16/19 22:20	09/17/19 18:33	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	20100		mg/kg	8.93	2.41	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.46	0.339	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.893	0.186	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Barium, Total	215		mg/kg	0.893	0.155	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.446	0.030	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.893	0.088	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Calcium, Total	1170		mg/kg	8.93	3.12	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Chromium, Total	37.6		mg/kg	0.893	0.086	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Cobalt, Total	18.7		mg/kg	1.78	0.148	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Copper, Total	19.4		mg/kg	0.893	0.230	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Iron, Total	33700		mg/kg	4.46	0.806	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Lead, Total	2.39	J	mg/kg	4.46	0.239	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Magnesium, Total	7860		mg/kg	8.93	1.38	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Manganese, Total	336		mg/kg	0.893	0.142	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.070	0.046	1	09/17/19 04:30	09/17/19 16:14	EPA 7471B	1,7471B	GD
Nickel, Total	25.5		mg/kg	2.23	0.216	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Potassium, Total	13600		mg/kg	223	12.8	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.78	0.230	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.893	0.253	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Sodium, Total	294		mg/kg	178	2.81	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.78	0.281	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Vanadium, Total	58.8		mg/kg	0.893	0.181	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC
Zinc, Total	80.5		mg/kg	4.46	0.262	2	09/16/19 22:20	09/17/19 18:37	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5770		mg/kg	8.84	2.39	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.42	0.336	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Arsenic, Total	4.03		mg/kg	0.884	0.184	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Barium, Total	682		mg/kg	0.884	0.154	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Beryllium, Total	0.071	J	mg/kg	0.442	0.029	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Cadmium, Total	1.64		mg/kg	0.884	0.087	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Calcium, Total	52900		mg/kg	8.84	3.09	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Chromium, Total	15.8		mg/kg	0.884	0.085	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Cobalt, Total	4.71		mg/kg	1.77	0.147	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Copper, Total	17.4		mg/kg	0.884	0.228	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Iron, Total	10500		mg/kg	4.42	0.798	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Lead, Total	669		mg/kg	4.42	0.237	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Magnesium, Total	14300		mg/kg	8.84	1.36	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Manganese, Total	208		mg/kg	0.884	0.140	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Mercury, Total	0.270		mg/kg	0.070	0.046	1	09/17/19 04:30	09/17/19 16:17	EPA 7471B	1,7471B	GD
Nickel, Total	8.74		mg/kg	2.21	0.214	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Potassium, Total	1540		mg/kg	221	12.7	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.77	0.228	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.884	0.250	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Sodium, Total	372		mg/kg	177	2.78	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.77	0.278	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Vanadium, Total	26.5		mg/kg	0.884	0.179	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC
Zinc, Total	840		mg/kg	4.42	0.259	2	09/16/19 22:20	09/17/19 18:42	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11100		mg/kg	8.72	2.35	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.36	0.331	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Arsenic, Total	2.82		mg/kg	0.872	0.181	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Barium, Total	271		mg/kg	0.872	0.152	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Beryllium, Total	0.174	J	mg/kg	0.436	0.029	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.872	0.085	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Calcium, Total	8200		mg/kg	8.72	3.05	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Chromium, Total	20.3		mg/kg	0.872	0.084	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Cobalt, Total	8.54		mg/kg	1.74	0.145	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Copper, Total	21.7		mg/kg	0.872	0.225	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Iron, Total	18400		mg/kg	4.36	0.787	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Lead, Total	117		mg/kg	4.36	0.234	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Magnesium, Total	4810		mg/kg	8.72	1.34	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Manganese, Total	232		mg/kg	0.872	0.139	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Mercury, Total	0.238		mg/kg	0.071	0.046	1	09/17/19 04:30	09/17/19 16:21	EPA 7471B	1,7471B	GD
Nickel, Total	14.4		mg/kg	2.18	0.211	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Potassium, Total	3930		mg/kg	218	12.6	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.74	0.225	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.872	0.247	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Sodium, Total	909		mg/kg	174	2.75	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.74	0.275	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Vanadium, Total	28.4		mg/kg	0.872	0.177	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC
Zinc, Total	198		mg/kg	4.36	0.255	2	09/16/19 22:20	09/17/19 18:46	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8820		mg/kg	8.49	2.29	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.24	0.323	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Arsenic, Total	0.501	J	mg/kg	0.849	0.177	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Barium, Total	69.2		mg/kg	0.849	0.148	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Beryllium, Total	0.153	J	mg/kg	0.424	0.028	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.849	0.083	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Calcium, Total	1530		mg/kg	8.49	2.97	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Chromium, Total	19.5		mg/kg	0.849	0.082	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Cobalt, Total	10.9		mg/kg	1.70	0.141	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Copper, Total	19.8		mg/kg	0.849	0.219	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Iron, Total	15500		mg/kg	4.24	0.767	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Lead, Total	8.92		mg/kg	4.24	0.228	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Magnesium, Total	4040		mg/kg	8.49	1.31	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Manganese, Total	577		mg/kg	0.849	0.135	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.068	0.044	1	09/17/19 04:30	09/17/19 16:24	EPA 7471B	1,7471B	GD
Nickel, Total	21.5		mg/kg	2.12	0.206	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Potassium, Total	3270		mg/kg	212	12.2	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.70	0.219	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.849	0.240	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Sodium, Total	200		mg/kg	170	2.67	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.70	0.267	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Vanadium, Total	20.5		mg/kg	0.849	0.172	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC
Zinc, Total	28.8		mg/kg	4.24	0.249	2	09/16/19 22:20	09/17/19 18:51	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	21200		mg/kg	8.17	2.21	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.09	0.310	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.817	0.170	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Barium, Total	301		mg/kg	0.817	0.142	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Beryllium, Total	0.122	J	mg/kg	0.409	0.027	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.817	0.080	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Calcium, Total	546		mg/kg	8.17	2.86	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Chromium, Total	41.0		mg/kg	0.817	0.079	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Cobalt, Total	21.7		mg/kg	1.63	0.136	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Copper, Total	34.7		mg/kg	0.817	0.211	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Iron, Total	38300		mg/kg	4.09	0.738	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Lead, Total	7.07		mg/kg	4.09	0.219	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Magnesium, Total	9480		mg/kg	8.17	1.26	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Manganese, Total	423		mg/kg	0.817	0.130	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.068	0.044	1	09/17/19 04:30	09/17/19 16:27	EPA 7471B	1,7471B	GD
Nickel, Total	29.5		mg/kg	2.04	0.198	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Potassium, Total	15100		mg/kg	204	11.8	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.63	0.211	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.817	0.231	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Sodium, Total	219		mg/kg	163	2.57	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.63	0.257	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Vanadium, Total	68.1		mg/kg	0.817	0.166	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC
Zinc, Total	87.4		mg/kg	4.09	0.239	2	09/16/19 22:20	09/17/19 18:55	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9980		mg/kg	7.92	2.14	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	3.96	0.301	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Arsenic, Total	1.85		mg/kg	0.792	0.165	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Barium, Total	112		mg/kg	0.792	0.138	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Beryllium, Total	0.150	J	mg/kg	0.396	0.026	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.792	0.078	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Calcium, Total	21100		mg/kg	7.92	2.77	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Chromium, Total	26.0		mg/kg	0.792	0.076	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Cobalt, Total	9.41		mg/kg	1.58	0.132	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Copper, Total	46.9		mg/kg	0.792	0.204	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Iron, Total	18000		mg/kg	3.96	0.716	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Lead, Total	58.0		mg/kg	3.96	0.212	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Magnesium, Total	14000		mg/kg	7.92	1.22	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Manganese, Total	245		mg/kg	0.792	0.126	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Mercury, Total	0.070		mg/kg	0.066	0.043	1	09/17/19 04:30	09/17/19 16:37	EPA 7471B	1,7471B	GD
Nickel, Total	16.7		mg/kg	1.98	0.192	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Potassium, Total	5360		mg/kg	198	11.4	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.58	0.204	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.792	0.224	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Sodium, Total	396		mg/kg	158	2.50	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.58	0.250	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Vanadium, Total	34.3		mg/kg	0.792	0.161	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC
Zinc, Total	85.0		mg/kg	3.96	0.232	2	09/16/19 22:20	09/17/19 19:00	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10900		mg/kg	8.39	2.26	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.20	0.319	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Arsenic, Total	1.43		mg/kg	0.839	0.174	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Barium, Total	118		mg/kg	0.839	0.146	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Beryllium, Total	0.109	J	mg/kg	0.420	0.028	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.839	0.082	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Calcium, Total	20900		mg/kg	8.39	2.94	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Chromium, Total	25.3		mg/kg	0.839	0.081	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Cobalt, Total	10.3		mg/kg	1.68	0.139	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Copper, Total	50.3		mg/kg	0.839	0.216	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Iron, Total	20200		mg/kg	4.20	0.758	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Lead, Total	37.9		mg/kg	4.20	0.225	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Magnesium, Total	14400		mg/kg	8.39	1.29	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Manganese, Total	229		mg/kg	0.839	0.133	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Mercury, Total	0.079		mg/kg	0.067	0.044	1	09/17/19 04:30	09/17/19 16:41	EPA 7471B	1,7471B	GD
Nickel, Total	17.6		mg/kg	2.10	0.203	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Potassium, Total	5470		mg/kg	210	12.1	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.68	0.216	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.839	0.237	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Sodium, Total	272		mg/kg	168	2.64	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.68	0.264	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Vanadium, Total	41.6		mg/kg	0.839	0.170	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC
Zinc, Total	77.4		mg/kg	4.20	0.246	2	09/16/19 22:20	09/17/19 19:04	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4920		mg/kg	8.66	2.34	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.33	0.329	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Arsenic, Total	3.17		mg/kg	0.866	0.180	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Barium, Total	252		mg/kg	0.866	0.151	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Beryllium, Total	0.087	J	mg/kg	0.433	0.029	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Cadmium, Total	0.087	J	mg/kg	0.866	0.085	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Calcium, Total	27600		mg/kg	8.66	3.03	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Chromium, Total	8.33		mg/kg	0.866	0.083	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Cobalt, Total	4.36		mg/kg	1.73	0.144	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Copper, Total	9.82		mg/kg	0.866	0.224	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Iron, Total	7840		mg/kg	4.33	0.782	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Lead, Total	357		mg/kg	4.33	0.232	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Magnesium, Total	8810		mg/kg	8.66	1.33	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Manganese, Total	145		mg/kg	0.866	0.138	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.068	0.045	1	09/17/19 04:30	09/17/19 16:44	EPA 7471B	1,7471B	GD
Nickel, Total	5.86		mg/kg	2.17	0.210	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Potassium, Total	1500		mg/kg	217	12.5	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.73	0.224	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.866	0.245	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Sodium, Total	388		mg/kg	173	2.73	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.73	0.273	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Vanadium, Total	18.4		mg/kg	0.866	0.176	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC
Zinc, Total	151		mg/kg	4.33	0.254	2	09/16/19 22:20	09/17/19 19:53	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10800		mg/kg	8.56	2.31	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.28	0.325	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Arsenic, Total	0.676	J	mg/kg	0.856	0.178	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Barium, Total	166		mg/kg	0.856	0.149	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Beryllium, Total	0.043	J	mg/kg	0.428	0.028	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.856	0.084	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Calcium, Total	17500		mg/kg	8.56	2.99	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Chromium, Total	27.4		mg/kg	0.856	0.082	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Cobalt, Total	11.2		mg/kg	1.71	0.142	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Copper, Total	42.1		mg/kg	0.856	0.221	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Iron, Total	15600		mg/kg	4.28	0.773	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Lead, Total	2.11	J	mg/kg	4.28	0.229	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Magnesium, Total	5280		mg/kg	8.56	1.32	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Manganese, Total	203		mg/kg	0.856	0.136	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Mercury, Total	0.146		mg/kg	0.069	0.045	1	09/17/19 04:30	09/17/19 16:47	EPA 7471B	1,7471B	GD
Nickel, Total	20.2		mg/kg	2.14	0.207	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Potassium, Total	5960		mg/kg	214	12.3	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.71	0.221	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.856	0.242	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Sodium, Total	657		mg/kg	171	2.70	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.71	0.270	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Vanadium, Total	39.5		mg/kg	0.856	0.174	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC
Zinc, Total	39.2		mg/kg	4.28	0.251	2	09/16/19 22:20	09/17/19 19:57	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17100		mg/kg	8.49	2.29	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.24	0.323	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.849	0.177	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Barium, Total	285		mg/kg	0.849	0.148	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Beryllium, Total	0.170	J	mg/kg	0.424	0.028	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.849	0.083	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Calcium, Total	402		mg/kg	8.49	2.97	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Chromium, Total	50.9		mg/kg	0.849	0.082	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Cobalt, Total	11.3		mg/kg	1.70	0.141	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Copper, Total	92.1		mg/kg	0.849	0.219	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Iron, Total	33900		mg/kg	4.24	0.767	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Lead, Total	5.16		mg/kg	4.24	0.228	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Magnesium, Total	7250		mg/kg	8.49	1.31	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Manganese, Total	224		mg/kg	0.849	0.135	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.070	0.045	1	09/17/19 04:30	09/17/19 16:51	EPA 7471B	1,7471B	GD
Nickel, Total	44.1		mg/kg	2.12	0.205	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Potassium, Total	10500		mg/kg	212	12.2	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.70	0.219	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.849	0.240	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Sodium, Total	396		mg/kg	170	2.67	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.70	0.267	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Vanadium, Total	46.2		mg/kg	0.849	0.172	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC
Zinc, Total	64.7		mg/kg	4.24	0.249	2	09/16/19 22:20	09/17/19 20:01	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Lab Number: L1941584
Project Number: 10567 PHASE3.1
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1220		mg/kg	7.85	2.12	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	3.93	0.298	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Arsenic, Total	1.30		mg/kg	0.785	0.163	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Barium, Total	22.7		mg/kg	0.785	0.137	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Beryllium, Total	0.047	J	mg/kg	0.393	0.026	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.785	0.077	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Calcium, Total	2130		mg/kg	7.85	2.75	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Chromium, Total	5.01		mg/kg	0.785	0.075	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Cobalt, Total	1.61		mg/kg	1.57	0.130	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Copper, Total	8.62		mg/kg	0.785	0.203	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Iron, Total	4570		mg/kg	3.93	0.709	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Lead, Total	6.97		mg/kg	3.93	0.210	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Magnesium, Total	694		mg/kg	7.85	1.21	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Manganese, Total	69.2		mg/kg	0.785	0.125	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.065	0.042	1	09/17/19 04:30	09/17/19 16:54	EPA 7471B	1,7471B	GD
Nickel, Total	4.65		mg/kg	1.96	0.190	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Potassium, Total	308		mg/kg	196	11.3	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.57	0.203	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.785	0.222	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Sodium, Total	351		mg/kg	157	2.47	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.57	0.247	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Vanadium, Total	8.94		mg/kg	0.785	0.159	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC
Zinc, Total	62.4		mg/kg	3.93	0.230	2	09/16/19 22:20	09/17/19 20:06	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	25300		mg/kg	8.99	2.43	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.49	0.342	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.899	0.187	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Barium, Total	267		mg/kg	0.899	0.156	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Beryllium, Total	0.099	J	mg/kg	0.449	0.030	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.899	0.088	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Calcium, Total	1320		mg/kg	8.99	3.15	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Chromium, Total	54.4		mg/kg	0.899	0.086	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Cobalt, Total	18.1		mg/kg	1.80	0.149	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Copper, Total	54.3		mg/kg	0.899	0.232	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Iron, Total	39200		mg/kg	4.49	0.812	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Lead, Total	3.77	J	mg/kg	4.49	0.241	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Magnesium, Total	11500		mg/kg	8.99	1.38	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Manganese, Total	280		mg/kg	0.899	0.143	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.072	0.047	1	09/17/19 04:30	09/17/19 16:57	EPA 7471B	1,7471B	GD
Nickel, Total	32.7		mg/kg	2.25	0.218	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Potassium, Total	18000		mg/kg	225	12.9	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.80	0.232	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.899	0.254	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Sodium, Total	371		mg/kg	180	2.83	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.80	0.283	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Vanadium, Total	84.2		mg/kg	0.899	0.182	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC
Zinc, Total	106		mg/kg	4.49	0.263	2	09/16/19 22:20	09/17/19 20:10	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11000		mg/kg	8.45	2.28	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.23	0.321	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Arsenic, Total	2.55		mg/kg	0.845	0.176	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Barium, Total	150		mg/kg	0.845	0.147	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Beryllium, Total	0.152	J	mg/kg	0.423	0.028	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.845	0.083	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Calcium, Total	13700		mg/kg	8.45	2.96	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Chromium, Total	25.2		mg/kg	0.845	0.081	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Cobalt, Total	10.2		mg/kg	1.69	0.140	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Copper, Total	33.4		mg/kg	0.845	0.218	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Iron, Total	20000		mg/kg	4.23	0.763	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Lead, Total	404		mg/kg	4.23	0.226	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Magnesium, Total	5340		mg/kg	8.45	1.30	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Manganese, Total	300		mg/kg	0.845	0.134	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Mercury, Total	0.145		mg/kg	0.068	0.045	1	09/17/19 04:30	09/17/19 17:00	EPA 7471B	1,7471B	GD
Nickel, Total	15.9		mg/kg	2.11	0.204	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Potassium, Total	5170		mg/kg	211	12.2	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.69	0.218	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.845	0.239	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Sodium, Total	410		mg/kg	169	2.66	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.69	0.266	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Vanadium, Total	36.9		mg/kg	0.845	0.172	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC
Zinc, Total	64.7		mg/kg	4.23	0.248	2	09/16/19 22:20	09/17/19 20:15	EPA 3050B	1,6010D	MC

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-17 Batch: WG1284789-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Barium, Total	ND		mg/kg	0.400	0.070	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Iron, Total	0.372	J	mg/kg	2.00	0.361	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Lead, Total	ND		mg/kg	2.00	0.107	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Potassium, Total	ND		mg/kg	100	5.76	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Silver, Total	ND		mg/kg	0.400	0.113	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Sodium, Total	ND		mg/kg	80.0	1.26	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/16/19 22:20	09/17/19 16:47	1,6010D	MC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-17 Batch: WG1284870-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/17/19 04:30	09/17/19 15:38	1,7471B	GD

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-17 Batch: WG1284789-2 SRM Lot Number: D105-540								
Aluminum, Total	69		-		51-149	-		
Antimony, Total	146		-		19-249	-		
Arsenic, Total	102		-		70-130	-		
Barium, Total	92		-		75-125	-		
Beryllium, Total	99		-		75-125	-		
Cadmium, Total	98		-		75-125	-		
Calcium, Total	89		-		73-127	-		
Chromium, Total	92		-		70-130	-		
Cobalt, Total	98		-		75-125	-		
Copper, Total	96		-		75-125	-		
Iron, Total	87		-		38-162	-		
Lead, Total	94		-		71-128	-		
Magnesium, Total	85		-		63-137	-		
Manganese, Total	95		-		76-124	-		
Nickel, Total	99		-		70-131	-		
Potassium, Total	81		-		60-140	-		
Selenium, Total	102		-		63-137	-		
Silver, Total	94		-		69-131	-		
Sodium, Total	97		-		37-162	-		
Thallium, Total	95		-		68-132	-		
Vanadium, Total	92		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-17 Batch: WG1284789-2 SRM Lot Number: D105-540					
Zinc, Total	98	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-17 Batch: WG1284870-2 SRM Lot Number: D105-540					
Mercury, Total	85	-	60-141	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-17 QC Batch ID: WG1284789-3 QC Sample: L1941584-01 Client ID: WC-A-3 (0-5)												
Aluminum, Total	11400	178	12000	**336**	Q	-	-		75-125	-		20
Antimony, Total	ND	44.6	37.4	84		-	-		75-125	-		20
Arsenic, Total	2.57	10.7	13.6	103		-	-		75-125	-		20
Barium, Total	185	178	286	**57**	Q	-	-		75-125	-		20
Beryllium, Total	0.205J	4.46	4.27	96		-	-		75-125	-		20
Cadmium, Total	ND	4.55	3.79	83		-	-		75-125	-		20
Calcium, Total	23800	892	12500	**0**	Q	-	-		75-125	-		20
Chromium, Total	27.5	17.8	40.8	**74**	Q	-	-		75-125	-		20
Cobalt, Total	8.98	44.6	48.5	89		-	-		75-125	-		20
Copper, Total	28.4	22.3	52.4	108		-	-		75-125	-		20
Iron, Total	18600	89.2	17900	**0**	Q	-	-		75-125	-		20
Lead, Total	97.0	45.5	147	110		-	-		75-125	-		20
Magnesium, Total	12300	892	6240	**0**	Q	-	-		75-125	-		20
Manganese, Total	267	44.6	318	114		-	-		75-125	-		20
Nickel, Total	19.1	44.6	57.0	85		-	-		75-125	-		20
Potassium, Total	3140	892	4260	**126**	Q	-	-		75-125	-		20
Selenium, Total	ND	10.7	9.35	87		-	-		75-125	-		20
Silver, Total	ND	26.8	25.8	96		-	-		75-125	-		20
Sodium, Total	493	892	1410	103		-	-		75-125	-		20
Thallium, Total	ND	10.7	8.69	81		-	-		75-125	-		20
Vanadium, Total	32.8	44.6	76.2	97		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-17 QC Batch ID: WG1284789-3 QC Sample: L1941584-01 Client ID: WC-A-3 (0-5)										
Zinc, Total	129	44.6	140	**25**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-17 QC Batch ID: WG1284870-3 QC Sample: L1941584-01 Client ID: WC-A-3 (0-5)										
Mercury, Total	0.404	0.149	0.498	**63**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-17 QC Batch ID: WG1284789-4 QC Sample: L1941584-01 Client ID: WC-A-3 (0-5)						
Aluminum, Total	11400	13300	mg/kg	15		20
Antimony, Total	ND	0.593J	mg/kg	NC		20
Arsenic, Total	2.57	2.84	mg/kg	10		20
Barium, Total	185	123	mg/kg	**40**	Q	20
Beryllium, Total	0.205J	0.241J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	23800	11500	mg/kg	**70**	Q	20
Chromium, Total	27.5	28.5	mg/kg	4		20
Cobalt, Total	8.98	10.7	mg/kg	17		20
Copper, Total	28.4	32.7	mg/kg	14		20
Iron, Total	18600	21800	mg/kg	16		20
Lead, Total	97.0	104	mg/kg	7		20
Magnesium, Total	12300	6140	mg/kg	**67**	Q	20
Manganese, Total	267	286	mg/kg	7		20
Nickel, Total	19.1	20.7	mg/kg	8		20
Potassium, Total	3140	3870	mg/kg	**21**	Q	20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	493	514	mg/kg	4		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-17 QC Batch ID: WG1284789-4 QC Sample: L1941584-01 Client ID: WC-A-3 (0-5)						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	32.8	38.2	mg/kg	15		20
Zinc, Total	129	97.1	mg/kg	**28**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-17 QC Batch ID: WG1284870-4 QC Sample: L1941584-01 Client ID: WC-A-3 (0-5)						
Mercury, Total	0.404	0.506	mg/kg	**22**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-01
Client ID: WC-A-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.3		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	09/12/19 15:15	09/13/19 12:54	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-02
Client ID: WC-A-4 (0-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.8		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/12/19 15:15	09/13/19 12:55	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-03
Client ID: WC-B-4 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.4		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	0.25	J	mg/kg	1.0	0.22	1	09/12/19 15:15	09/13/19 12:56	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-04
Client ID: B-4 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.5		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/12/19 15:15	09/13/19 12:57	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-05
Client ID: B-4 (7-8)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/12/19 15:15	09/13/19 13:00	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-06
Client ID: WC-B-3 (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.8		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/12/19 15:15	09/13/19 13:01	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-07
Client ID: B-9 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/12/19 15:15	09/13/19 13:04	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-08
Client ID: B-9 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 09:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.0		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	09/12/19 15:15	09/13/19 13:05	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-09
Client ID: B-14 (8-9)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.4		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	09/12/19 15:15	09/13/19 13:06	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-10
Client ID: B-14 (2-3)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 10:40
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.6		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	0.98	0.21	1	09/12/19 15:15	09/13/19 13:07	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-11
Client ID: B-13 (3-4)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.1		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	0.98	0.21	1	09/12/19 15:15	09/13/19 13:08	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-12
Client ID: B-13 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 11:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/12/19 15:15	09/13/19 13:09	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-13
Client ID: B-8 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.6		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/12/19 15:15	09/13/19 13:10	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-14
Client ID: B-8 (5-6)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:05
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.6		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/12/19 15:15	09/13/19 13:11	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-15
Client ID: B-3 (4-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:15
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.2		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	0.94	0.20	1	09/12/19 15:15	09/13/19 13:12	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-16
Client ID: B-3 (6-7)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 12:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	09/12/19 08:50	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/12/19 15:15	09/13/19 13:29	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941584-17
Client ID: DUP
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 00:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.7		%	0.100	NA	1	-	09/13/19 08:26	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/15/19 13:20	09/16/19 16:17	1,9010C/9012B	JO

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1
Lab Number: L1941584
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG1283363-1										
Cyanide, Total	ND		mg/kg	0.88	0.19	1	09/12/19 15:15	09/13/19 12:32	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 11-16 Batch: WG1283364-1										
Cyanide, Total	ND		mg/kg	0.88	0.19	1	09/12/19 15:15	09/13/19 12:33	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 17 Batch: WG1284337-1										
Cyanide, Total	ND		mg/kg	0.83	0.18	1	09/15/19 13:20	09/16/19 15:50	1,9010C/9012B	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1283363-2 WG1283363-3								
Cyanide, Total	**52**	Q	**60**	Q	80-120	14		35
General Chemistry - Westborough Lab Associated sample(s): 11-16 Batch: WG1283364-2 WG1283364-3								
Cyanide, Total	**51**	Q	**61**	Q	80-120	18		35
General Chemistry - Westborough Lab Associated sample(s): 17 Batch: WG1284337-2 WG1284337-3								
Cyanide, Total	**54**	Q	**72**	Q	80-120	**44**	Q	35

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 (4-5) QC Batch ID: WG1283363-4 WG1283363-5 QC Sample: L1941584-04 Client ID: B-4												
Cyanide, Total	ND	10	10	96		9.8	92		75-125	2		35
General Chemistry - Westborough Lab Associated sample(s): 17 QC Batch ID: WG1284337-4 WG1284337-5 QC Sample: L1942076-01 Client ID: MS Sample												
Cyanide, Total	ND	10	10	95		10	93		75-125	0		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567 PHASE3.1

Lab Number: L1941584

Report Date: 10/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-16 QC Batch ID: WG1283226-1 QC Sample: L1941584-01 Client ID: WC-A-3 (0-5)						
Solids, Total	84.3	82.3	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 17 QC Batch ID: WG1283694-1 QC Sample: L1941772-01 Client ID: DUP Sample						
Solids, Total	87.7	87.1	%	1		20

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941584-01A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-01B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-01C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-01D	Glass 60ml unpreserved split	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L1941584-01E	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-01F	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-01X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-01Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-01Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-02A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-02B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-02C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-02D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L1941584-02F	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-02X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-02Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260H(14),NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941584-02Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-03A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-03B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-03C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-03D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L1941584-03F	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-03X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-03Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-03Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-04A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-04B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-04C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-04D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L1941584-04F	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941584-04G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-04X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-04Y	Vial Water preserved split	A	NA		4.2	Y	Absent	13-SEP-19 04:07	NYTCL-8260HLW(14)
L1941584-04Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-05A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-05B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-05C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941584-05D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L1941584-05F	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941584-05G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-05X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-05Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-05Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-06A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-06B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-06C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-06D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L1941584-06F	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-06X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-06Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-06Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-07A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-07B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-07C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-07D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941584-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L1941584-07F	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941584-07G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-07X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-07Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-07Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-08A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-08B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-08C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-08D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),HG-T(28),FE-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L1941584-08F	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941584-08G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-08X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-08Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-08Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-09A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-09B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-09C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-09D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941584-09E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L1941584-09F	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941584-09G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-09X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-09Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-09Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 13:56	NYTCL-8260HLW(14)
L1941584-10A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-10B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-10C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-10D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-10E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941584-10F	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(28)
L1941584-10G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-10X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-10Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260HLW(14)
L1941584-10Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260HLW(14)
L1941584-11A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-11B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-11C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-11D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941584-11E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L1941584-11G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-11H	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		HOLD-537(28)
L1941584-11X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-11Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260HLW(14)
L1941584-11Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260HLW(14)
L1941584-12A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-12B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-12C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-12D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-12E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L1941584-12G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-12H	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		HOLD-537(28)
L1941584-12X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1941584-12Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260HLW(14)
L1941584-12Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260HLW(14)
L1941584-13A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941584-13B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941584-13C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941584-13D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941584-13E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L1941584-13G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-13H	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		HOLD-537(28)
L1941584-13X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941584-13Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941584-13Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260HLW(14),NYTCL-8260H(14)
L1941584-14A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-14B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-14C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-14D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-14E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L1941584-14G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-14H	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		HOLD-537(28)
L1941584-14X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-14Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-14Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-15A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-15B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-15C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-15D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941584-15E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L1941584-15G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-15H	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		HOLD-537(28)
L1941584-15X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-15Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-15Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-16A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-16B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-16C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-16D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-16E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L1941584-16G	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1941584-16H	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		HOLD-537(28)
L1941584-16X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-16Y	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-16Z	Vial Water preserved split	A	NA		4.2	Y	Absent	12-SEP-19 14:55	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-17A	1 Vial MeOH/2 Vial Water	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-17B	1 Vial MeOH/2 Vial Water	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-17C	1 Vial MeOH/2 Vial Water	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-17D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1941584-17E	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		HOLD-537(28),A2-NY-537-ISOTOPE(28)
L1941584-17F	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567 PHASE3.1

Lab Number: L1941584
Report Date: 10/18/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941584-17G	Glass 120ml unpreserved split	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941584-17X	1 Vial MeOH/2 Vial Water	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-17Y	1 Vial MeOH/2 Vial Water	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941584-17Z	1 Vial MeOH/2 Vial Water	A	NA		4.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name:	33 CENTRE AVE	**Lab Number:**	L1941584
Project Number:	10567 PHASE3.1	**Report Date:**	10/18/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1941584
Project Number:	10567 PHASE3.1	**Report Date:**	10/18/19

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

Terms

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1941584
Project Number:	10567 PHASE3.1	**Report Date:**	10/18/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

122 Determination of Selected Perfluorintated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS). EPA Method 537, EPA/600/R-08/092. Version 1.1, September 2009.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 09/12/19

ALPHA Job #: L1941584

Client Information
Client: SESI
Address: 12A Maple Ave
Pine Brook, NJ
Phone: 973-808-9050
Fax:
Email: jem@sesi.org

Project Information
Project Name: 33 Centre Ave
Project Location: New Rochelle, NY
Project #: 10567 Phase 3.1
(Use Project name as Project #) ☐
Project Manager: Jesse, M.
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☑ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☑ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☑ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
TCL+30 iTAL | TCL+30 TAL PFAS PFOA

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+30 iTAL	TCL+30 TAL PFAS PFOA	Sample Specific Comments
41584-01	WC-A-3(0-5)	9/11/19	9:00	Soil	T.P	✓		
-02	WC-A-4(0-6)	9/11/19	9:30			✓		
-03	WC-B-4(0-5)		12:40			✓		
-04	B-4 (4-5)		9:10				✓	
-05	B-4 (7-8)		9:05				✓	
-06	WC-B-3(0-5)		10:30			✓		
-07	B-9(3-4)		9:40				✓	
-08	B-9 (6-7)		9:45				✓	
-09	B-14(8-9)		10:45				✓	
-10	B-14(2-3)		10:40				✓	

Container Type: 4P | 4P
Preservative: / | /

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Tanji Patel	9/11/19 3:30		9/11/19 16:00
FedEx Ground	9/11/19 1800		9/11/19 2005
FedEx AAL	9/12/19 0205		9/12/19 0205

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 09/12/19

ALPHA Job #: L1941584

Client Information
Client: SESI
Address: 12A Maple Ave
Pine Brook
Phone: 973-808-9050
Fax:
Email: jam@sesi.org

Project Information
Project Name: 33 Centre Ave
Project Location: New Rochelle, NY
Project #: 10567 Phase 3.1
(Use Project name as Project #) ☐
Project Manager: Jesse, M.
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☑ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☑ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☑ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
TCL+30 TAL
~~TCL+30 TAL + Tentatively Identified Compounds~~

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+30 TAL	Sample Specific Comments
41584-11	B-13(3-4)	9/11/19	11:00	Soil	T.P	✓	
-12	B-13(6-7)		11:05			✓	
-13	B-8(4-5)		12:00			✓	
-14	B-8(5-6)		12:05			✓	
-15	B-3(4-5)		12:15			✓	
-16	B-3(6-7)		12:20			✓	

Container Type: P / G
Preservative: /

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Taj Patel	9/11/19 3:30	[illegible]	9/11/19 1600
Reg Vog/Ant	9/11/19 1800	[illegible]	9/11/19 2005
[illegible] AAL	9/12/19 0205	[illegible]	9/12/19 0205

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1944968
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	CENTER AVE
Project Number:	10567
Report Date:	10/11/19

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

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

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

Project Name: CENTER AVE
Project Number: 10567

Lab Number: L1944968
Report Date: 10/11/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1944968-01	FP-1 (2-4)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/27/19 10:00	09/27/19
L1944968-02	FP-1 (4-6)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/27/19 10:10	09/27/19
L1944968-03	FP-1 (6-7)	SOIL	33 CENTRE AVE., NEW ROCHELLE, NY	09/27/19 10:20	09/27/19

Project Name:	CENTER AVE	**Lab Number:**	L1944968
Project Number:	10567	**Report Date:**	10/11/19

Case Narrative

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

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

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

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

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

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

Project Name: CENTER AVE
Project Number: 10567
Lab Number: L1944968
Report Date: 10/11/19

Case Narrative (continued)

Report Submission

October 11, 2019: This final report includes the results of all requested analyses.

October 04, 2019: This is a preliminary report.

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

Volatile Organics

L1944968-01: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

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

Authorized Signature: Caitlin Walukevich

Title: Technical Director/Representative Date: 10/11/19

ORGANICS

VOLATILES

Project Name: CENTER AVE
Project Number: 10567
Lab Number: L1944968
Report Date: 10/11/19

SAMPLE RESULTS

Lab ID: L1944968-01
Client ID: FP-1 (2-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/27/19 10:00
Date Received: 09/27/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/04/19 01:05
Analyst: MV
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	300	140	1
1,1-Dichloroethane	ND		ug/kg	59	8.6	1
Chloroform	16	J	ug/kg	89	8.3	1
Carbon tetrachloride	ND		ug/kg	59	14.	1
1,2-Dichloropropane	ND		ug/kg	59	7.4	1
Dibromochloromethane	ND		ug/kg	59	8.3	1
1,1,2-Trichloroethane	ND		ug/kg	59	16.	1
Tetrachloroethene	ND		ug/kg	30	12.	1
Chlorobenzene	ND		ug/kg	30	7.5	1
Trichlorofluoromethane	ND		ug/kg	240	41.	1
1,2-Dichloroethane	ND		ug/kg	59	15.	1
1,1,1-Trichloroethane	ND		ug/kg	30	9.9	1
Bromodichloromethane	ND		ug/kg	30	6.4	1
trans-1,3-Dichloropropene	ND		ug/kg	59	16.	1
cis-1,3-Dichloropropene	ND		ug/kg	30	9.4	1
1,3-Dichloropropene, Total	ND		ug/kg	30	9.4	1
1,1-Dichloropropene	ND		ug/kg	30	9.4	1
Bromoform	ND		ug/kg	240	14.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	30	9.8	1
Benzene	ND		ug/kg	30	9.8	1
Toluene	ND		ug/kg	59	32.	1
Ethylbenzene	ND		ug/kg	59	8.3	1
Chloromethane	ND		ug/kg	240	55.	1
Bromomethane	ND		ug/kg	120	34.	1
Vinyl chloride	ND		ug/kg	59	20.	1
Chloroethane	ND		ug/kg	120	27.	1
1,1-Dichloroethene	ND		ug/kg	59	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	89	8.1	1

Project Name: CENTER AVE **Lab Number:** L1944968

Project Number: 10567 **Report Date:** 10/11/19

SAMPLE RESULTS

Lab ID: L1944968-01 Date Collected: 09/27/19 10:00

Client ID: FP-1 (2-4) Date Received: 09/27/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	30	8.1	1
1,2-Dichlorobenzene	ND		ug/kg	120	8.5	1
1,3-Dichlorobenzene	ND		ug/kg	120	8.8	1
1,4-Dichlorobenzene	ND		ug/kg	120	10.	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	ND		ug/kg	120	33.	1
o-Xylene	ND		ug/kg	59	17.	1
Xylenes, Total	ND		ug/kg	59	17.	1
cis-1,2-Dichloroethene	ND		ug/kg	59	10.	1
1,2-Dichloroethene, Total	ND		ug/kg	59	8.1	1
Dibromomethane	ND		ug/kg	120	14.	1
Styrene	ND		ug/kg	59	12.	1
Dichlorodifluoromethane	ND		ug/kg	590	54.	1
Acetone	ND		ug/kg	590	280	1
Carbon disulfide	ND		ug/kg	590	270	1
2-Butanone	ND		ug/kg	590	130	1
Vinyl acetate	ND		ug/kg	590	130	1
4-Methyl-2-pentanone	ND		ug/kg	590	76.	1
1,2,3-Trichloropropane	ND		ug/kg	120	7.5	1
2-Hexanone	ND		ug/kg	590	70.	1
Bromochloromethane	ND		ug/kg	120	12.	1
2,2-Dichloropropane	ND		ug/kg	120	12.	1
1,2-Dibromoethane	ND		ug/kg	59	16.	1
1,3-Dichloropropane	ND		ug/kg	120	9.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	30	7.8	1
Bromobenzene	ND		ug/kg	120	8.6	1
n-Butylbenzene	ND		ug/kg	59	9.9	1
sec-Butylbenzene	ND		ug/kg	59	8.6	1
tert-Butylbenzene	ND		ug/kg	120	7.0	1
o-Chlorotoluene	ND		ug/kg	120	11.	1
p-Chlorotoluene	ND		ug/kg	120	6.4	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	180	59.	1
Hexachlorobutadiene	ND		ug/kg	240	10.	1
Isopropylbenzene	ND		ug/kg	59	6.4	1
p-Isopropyltoluene	7.0	J	ug/kg	59	6.4	1
Naphthalene	210	J	ug/kg	240	38.	1
Acrylonitrile	ND		ug/kg	240	68.	1

Project Name: CENTER AVE
Project Number: 10567
Lab Number: L1944968
Report Date: 10/11/19

SAMPLE RESULTS

Lab ID: L1944968-01
Client ID: FP-1 (2-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/27/19 10:00
Date Received: 09/27/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	59	10.	1
1,2,3-Trichlorobenzene	ND		ug/kg	120	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	16.	1
1,3,5-Trimethylbenzene	ND		ug/kg	120	11.	1
1,2,4-Trimethylbenzene	25	J	ug/kg	120	20.	1
1,4-Dioxane	ND		ug/kg	4700	2100	1
p-Diethylbenzene	27	J	ug/kg	120	10.	1
p-Ethyltoluene	ND		ug/kg	120	23.	1
1,2,4,5-Tetramethylbenzene	100	J	ug/kg	120	11.	1
Ethyl ether	ND		ug/kg	120	20.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	300	84.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	96		70-130

Project Name: CENTER AVE
Project Number: 10567
Lab Number: L1944968
Report Date: 10/11/19

SAMPLE RESULTS

Lab ID: L1944968-03
Client ID: FP-1 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/27/19 10:20
Date Received: 09/27/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/04/19 00:37
Analyst: MV
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.99	0.14	1
Chloroform	0.20	J	ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.99	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.99	0.12	1
Dibromochloromethane	ND		ug/kg	0.99	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	0.26	1
Tetrachloroethene	ND		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.99	0.54	1
Ethylbenzene	ND		ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	3.9	0.92	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.99	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: CENTER AVE **Lab Number:** L1944968

Project Number: 10567 **Report Date:** 10/11/19

SAMPLE RESULTS

Lab ID: L1944968-03 Date Collected: 09/27/19 10:20

Client ID: FP-1 (6-7) Date Received: 09/27/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.49	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.99	0.29	1
Xylenes, Total	ND		ug/kg	0.99	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.99	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.23	1
Styrene	ND		ug/kg	0.99	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.90	1
Acetone	17		ug/kg	9.9	4.7	1
Carbon disulfide	ND		ug/kg	9.9	4.5	1
2-Butanone	ND		ug/kg	9.9	2.2	1
Vinyl acetate	ND		ug/kg	9.9	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.9	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.99	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.99	0.16	1
sec-Butylbenzene	ND		ug/kg	0.99	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.98	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.17	1
Isopropylbenzene	ND		ug/kg	0.99	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.11	1
Naphthalene	0.91	J	ug/kg	3.9	0.64	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: CENTER AVE
Project Number: 10567
Lab Number: L1944968
Report Date: 10/11/19

SAMPLE RESULTS

Lab ID: L1944968-03
Client ID: FP-1 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/27/19 10:20
Date Received: 09/27/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.99	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	79	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.17	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	0.24	J	ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: CENTER AVE
Project Number: 10567
Lab Number: L1944968
Report Date: 10/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/03/19 18:43
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1292182-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.30	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: CENTER AVE
Project Number: 10567
Lab Number: L1944968
Report Date: 10/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/03/19 18:43
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1292182-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: CENTER AVE
Project Number: 10567
Lab Number: L1944968
Report Date: 10/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/03/19 18:43
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1292182-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	95		70-130

Project Name: CENTER AVE
Project Number: 10567

Lab Number: L1944968
Report Date: 10/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/03/19 18:43
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1292194-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	15	J	ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: CENTER AVE
Project Number: 10567
Lab Number: L1944968
Report Date: 10/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/03/19 18:43
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1292194-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: CENTER AVE
Project Number: 10567
Lab Number: L1944968
Report Date: 10/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/03/19 18:43
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1292194-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CENTER AVE
Project Number: 10567

Lab Number: L1944968
Report Date: 10/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1292182-3 WG1292182-4								
Methylene chloride	109		107		70-130	2		30
1,1-Dichloroethane	111		109		70-130	2		30
Chloroform	100		99		70-130	1		30
Carbon tetrachloride	102		101		70-130	1		30
1,2-Dichloropropane	115		114		70-130	1		30
Dibromochloromethane	102		101		70-130	1		30
1,1,2-Trichloroethane	104		100		70-130	4		30
Tetrachloroethene	114		110		70-130	4		30
Chlorobenzene	109		105		70-130	4		30
Trichlorofluoromethane	91		88		70-139	3		30
1,2-Dichloroethane	97		96		70-130	1		30
1,1,1-Trichloroethane	104		102		70-130	2		30
Bromodichloromethane	106		106		70-130	0		30
trans-1,3-Dichloropropene	102		101		70-130	1		30
cis-1,3-Dichloropropene	117		116		70-130	1		30
1,1-Dichloropropene	111		109		70-130	2		30
Bromoform	99		98		70-130	1		30
1,1,2,2-Tetrachloroethane	96		96		70-130	0		30
Benzene	115		113		70-130	2		30
Toluene	108		104		70-130	4		30
Ethylbenzene	106		103		70-130	3		30
Chloromethane	117		112		52-130	4		30
Bromomethane	79		77		57-147	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CENTER AVE
Project Number: 10567

Lab Number: L1944968
Report Date: 10/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1292182-3 WG1292182-4								
Vinyl chloride	88		83		67-130	6		30
Chloroethane	74		68		50-151	8		30
1,1-Dichloroethene	91		113		65-135	22		30
trans-1,2-Dichloroethene	118		115		70-130	3		30
Trichloroethene	115		112		70-130	3		30
1,2-Dichlorobenzene	102		101		70-130	1		30
1,3-Dichlorobenzene	104		101		70-130	3		30
1,4-Dichlorobenzene	104		100		70-130	4		30
Methyl tert butyl ether	107		105		66-130	2		30
p/m-Xylene	112		108		70-130	4		30
o-Xylene	111		107		70-130	4		30
cis-1,2-Dichloroethene	116		112		70-130	4		30
Dibromomethane	109		106		70-130	3		30
Styrene	105		101		70-130	4		30
Dichlorodifluoromethane	96		92		30-146	4		30
Acetone	105		99		54-140	6		30
Carbon disulfide	108		108		59-130	0		30
2-Butanone	105		114		70-130	8		30
Vinyl acetate	104		103		70-130	1		30
4-Methyl-2-pentanone	102		102		70-130	0		30
1,2,3-Trichloropropane	91		87		68-130	4		30
2-Hexanone	87		88		70-130	1		30
Bromochloromethane	118		112		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CENTER AVE
Project Number: 10567

Lab Number: L1944968
Report Date: 10/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1292182-3 WG1292182-4								
2,2-Dichloropropane	108		105		70-130	3		30
1,2-Dibromoethane	105		104		70-130	1		30
1,3-Dichloropropane	103		100		69-130	3		30
1,1,1,2-Tetrachloroethane	105		104		70-130	1		30
Bromobenzene	103		102		70-130	1		30
n-Butylbenzene	100		96		70-130	4		30
sec-Butylbenzene	101		98		70-130	3		30
tert-Butylbenzene	103		99		70-130	4		30
o-Chlorotoluene	84		82		70-130	2		30
p-Chlorotoluene	101		98		70-130	3		30
1,2-Dibromo-3-chloropropane	88		88		68-130	0		30
Hexachlorobutadiene	106		101		67-130	5		30
Isopropylbenzene	104		100		70-130	4		30
p-Isopropyltoluene	105		102		70-130	3		30
Naphthalene	103		103		70-130	0		30
Acrylonitrile	115		116		70-130	1		30
n-Propylbenzene	101		97		70-130	4		30
1,2,3-Trichlorobenzene	107		106		70-130	1		30
1,2,4-Trichlorobenzene	113		111		70-130	2		30
1,3,5-Trimethylbenzene	102		100		70-130	2		30
1,2,4-Trimethylbenzene	103		100		70-130	3		30
1,4-Dioxane	103		101		65-136	2		30
p-Diethylbenzene	108		104		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CENTER AVE
Project Number: 10567

Lab Number: L1944968
Report Date: 10/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1292182-3 WG1292182-4								
p-Ethyltoluene	104		100		70-130	4		30
1,2,4,5-Tetramethylbenzene	107		104		70-130	3		30
Ethyl ether	77		71		67-130	8		30
trans-1,4-Dichloro-2-butene	93		82		70-130	13		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	80		83		70-130
Toluene-d8	98		96		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	96		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CENTER AVE

Project Number: 10567

Lab Number: L1944968

Report Date: 10/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1292194-3 WG1292194-4								
Methylene chloride	109		107		70-130	2		30
1,1-Dichloroethane	111		109		70-130	2		30
Chloroform	100		99		70-130	1		30
Carbon tetrachloride	102		101		70-130	1		30
1,2-Dichloropropane	115		114		70-130	1		30
Dibromochloromethane	102		101		70-130	1		30
1,1,2-Trichloroethane	104		100		70-130	4		30
Tetrachloroethene	114		110		70-130	4		30
Chlorobenzene	109		105		70-130	4		30
Trichlorofluoromethane	91		88		70-139	3		30
1,2-Dichloroethane	97		96		70-130	1		30
1,1,1-Trichloroethane	104		102		70-130	2		30
Bromodichloromethane	106		106		70-130	0		30
trans-1,3-Dichloropropene	102		101		70-130	1		30
cis-1,3-Dichloropropene	117		116		70-130	1		30
1,1-Dichloropropene	111		109		70-130	2		30
Bromoform	99		98		70-130	1		30
1,1,2,2-Tetrachloroethane	96		96		70-130	0		30
Benzene	115		113		70-130	2		30
Toluene	108		104		70-130	4		30
Ethylbenzene	106		103		70-130	3		30
Chloromethane	117		112		52-130	4		30
Bromomethane	79		77		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CENTER AVE

Project Number: 10567

Lab Number: L1944968

Report Date: 10/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1292194-3 WG1292194-4								
Vinyl chloride	88		83		67-130	6		30
Chloroethane	74		68		50-151	8		30
1,1-Dichloroethene	91		113		65-135	22		30
trans-1,2-Dichloroethene	118		115		70-130	3		30
Trichloroethene	115		112		70-130	3		30
1,2-Dichlorobenzene	102		101		70-130	1		30
1,3-Dichlorobenzene	104		101		70-130	3		30
1,4-Dichlorobenzene	104		100		70-130	4		30
Methyl tert butyl ether	107		105		66-130	2		30
p/m-Xylene	112		108		70-130	4		30
o-Xylene	111		107		70-130	4		30
cis-1,2-Dichloroethene	116		112		70-130	4		30
Dibromomethane	109		106		70-130	3		30
Styrene	105		101		70-130	4		30
Dichlorodifluoromethane	96		92		30-146	4		30
Acetone	105		99		54-140	6		30
Carbon disulfide	108		108		59-130	0		30
2-Butanone	105		114		70-130	8		30
Vinyl acetate	104		103		70-130	1		30
4-Methyl-2-pentanone	102		102		70-130	0		30
1,2,3-Trichloropropane	91		87		68-130	4		30
2-Hexanone	87		88		70-130	1		30
Bromochloromethane	118		112		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CENTER AVE

Project Number: 10567

Lab Number: L1944968

Report Date: 10/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1292194-3 WG1292194-4								
2,2-Dichloropropane	108		105		70-130	3		30
1,2-Dibromoethane	105		104		70-130	1		30
1,3-Dichloropropane	103		100		69-130	3		30
1,1,1,2-Tetrachloroethane	105		104		70-130	1		30
Bromobenzene	103		102		70-130	1		30
n-Butylbenzene	100		96		70-130	4		30
sec-Butylbenzene	101		98		70-130	3		30
tert-Butylbenzene	103		99		70-130	4		30
o-Chlorotoluene	84		82		70-130	2		30
p-Chlorotoluene	101		98		70-130	3		30
1,2-Dibromo-3-chloropropane	88		88		68-130	0		30
Hexachlorobutadiene	106		101		67-130	5		30
Isopropylbenzene	104		100		70-130	4		30
p-Isopropyltoluene	105		102		70-130	3		30
Naphthalene	103		103		70-130	0		30
Acrylonitrile	115		116		70-130	1		30
n-Propylbenzene	101		97		70-130	4		30
1,2,3-Trichlorobenzene	107		106		70-130	1		30
1,2,4-Trichlorobenzene	113		111		70-130	2		30
1,3,5-Trimethylbenzene	102		100		70-130	2		30
1,2,4-Trimethylbenzene	103		100		70-130	3		30
1,4-Dioxane	103		101		65-136	2		30
p-Diethylbenzene	108		104		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CENTER AVE
Project Number: 10567

Lab Number: L1944968
Report Date: 10/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1292194-3 WG1292194-4								
p-Ethyltoluene	104		100		70-130	4		30
1,2,4,5-Tetramethylbenzene	107		104		70-130	3		30
Ethyl ether	77		71		67-130	8		30
trans-1,4-Dichloro-2-butene	93		82		70-130	13		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	80		83		70-130
Toluene-d8	98		96		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	96		97		70-130

SEMIVOLATILES

Project Name: CENTER AVE
Project Number: 10567
Lab Number: L1944968
Report Date: 10/11/19

SAMPLE RESULTS

Lab ID: L1944968-01
Client ID: FP-1 (2-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 09/27/19 10:00
Date Received: 09/27/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/03/19 17:37
Analyst: RC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/01/19 13:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	310		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	2400		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	160	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	310		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: CENTER AVE **Lab Number:** L1944968

Project Number: 10567 **Report Date:** 10/11/19

SAMPLE RESULTS

Lab ID: L1944968-01 Date Collected: 09/27/19 10:00

Client ID: FP-1 (2-4) Date Received: 09/27/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	1200		ug/kg	110	21.	1
Benzo(a)pyrene	1200		ug/kg	150	46.	1
Benzo(b)fluoranthene	1200		ug/kg	110	32.	1
Benzo(k)fluoranthene	860		ug/kg	110	30.	1
Chrysene	1300		ug/kg	110	19.	1
Acenaphthylene	270		ug/kg	150	29.	1
Anthracene	510		ug/kg	110	36.	1
Benzo(ghi)perylene	980		ug/kg	150	22.	1
Fluorene	240		ug/kg	190	18.	1
Phenanthrene	1400		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	260		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	1000		ug/kg	150	26.	1
Pyrene	2500		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	82	J	ug/kg	190	18.	1
2-Methylnaphthalene	200	J	ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: CENTER AVE **Lab Number:** L1944968

Project Number: 10567 **Report Date:** 10/11/19

SAMPLE RESULTS

Lab ID: L1944968-01 Date Collected: 09/27/19 10:00

Client ID: FP-1 (2-4) Date Received: 09/27/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**23**	Q	25-120
Phenol-d6	26		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	**25**	Q	30-120
2,4,6-Tribromophenol	23		10-136
4-Terphenyl-d14	28		18-120

Project Name: CENTER AVE
Project Number: 10567
Lab Number: L1944968
Report Date: 10/11/19

SAMPLE RESULTS

Lab ID: L1944968-03
Client ID: FP-1 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/27/19 10:20
Date Received: 09/27/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/03/19 18:00
Analyst: RC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/01/19 13:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	51	J	ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	1800		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	41	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	110	J	ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: CENTER AVE **Lab Number:** L1944968

Project Number: 10567 **Report Date:** 10/11/19

SAMPLE RESULTS

Lab ID: L1944968-03 Date Collected: 09/27/19 10:20

Client ID: FP-1 (6-7) Date Received: 09/27/19

Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	1000		ug/kg	110	20.	1
Benzo(a)pyrene	970		ug/kg	140	43.	1
Benzo(b)fluoranthene	1200		ug/kg	110	30.	1
Benzo(k)fluoranthene	440		ug/kg	110	28.	1
Chrysene	990		ug/kg	110	18.	1
Acenaphthylene	260		ug/kg	140	27.	1
Anthracene	240		ug/kg	110	34.	1
Benzo(ghi)perylene	750		ug/kg	140	21.	1
Fluorene	69	J	ug/kg	180	17.	1
Phenanthrene	840		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	160		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	780		ug/kg	140	25.	1
Pyrene	1700		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	36	J	ug/kg	180	17.	1
2-Methylnaphthalene	36	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: CENTER AVE
Project Number: 10567
Lab Number: L1944968
Report Date: 10/11/19

SAMPLE RESULTS

Lab ID: L1944968-03
Client ID: FP-1 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Date Collected: 09/27/19 10:20
Date Received: 09/27/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	85	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	95		25-120
Phenol-d6	99		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	75		18-120

Project Name: CENTER AVE
Project Number: 10567

Lab Number: L1944968
Report Date: 10/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/03/19 01:26
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/01/19 13:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG1290787-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: CENTER AVE
Project Number: 10567

Lab Number: L1944968
Report Date: 10/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/03/19 01:26
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/01/19 13:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG1290787-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: CENTER AVE
Project Number: 10567

Lab Number: L1944968
Report Date: 10/11/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/03/19 01:26
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/01/19 13:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG1290787-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	102		25-120
Phenol-d6	106		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	98		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: CENTER AVE

Project Number: 10567

Lab Number: L1944968

Report Date: 10/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG1290787-2 WG1290787-3								
Acenaphthene	76		88		31-137	15		50
1,2,4-Trichlorobenzene	74		74		38-107	0		50
Hexachlorobenzene	79		93		40-140	16		50
Bis(2-chloroethyl)ether	77		82		40-140	6		50
2-Chloronaphthalene	69		90		40-140	26		50
1,2-Dichlorobenzene	80		79		40-140	1		50
1,3-Dichlorobenzene	72		72		40-140	0		50
1,4-Dichlorobenzene	79		84		28-104	6		50
3,3'-Dichlorobenzidine	69		85		40-140	21		50
2,4-Dinitrotoluene	90		105		40-132	15		50
2,6-Dinitrotoluene	82		97		40-140	17		50
Fluoranthene	79		89		40-140	12		50
4-Chlorophenyl phenyl ether	82		84		40-140	2		50
4-Bromophenyl phenyl ether	79		89		40-140	12		50
Bis(2-chloroisopropyl)ether	65		65		40-140	0		50
Bis(2-chloroethoxy)methane	90		91		40-117	1		50
Hexachlorobutadiene	67		78		40-140	15		50
Hexachlorocyclopentadiene	56		72		40-140	25		50
Hexachloroethane	72		72		40-140	0		50
Isophorone	82		85		40-140	4		50
Naphthalene	76		87		40-140	13		50
Nitrobenzene	90		83		40-140	8		50
NDPA/DPA	81		101		36-157	22		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: CENTER AVE
Project Number: 10567

Lab Number: L1944968
Report Date: 10/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG1290787-2 WG1290787-3								
n-Nitrosodi-n-propylamine	88		87		32-121	1		50
Bis(2-ethylhexyl)phthalate	97		102		40-140	5		50
Butyl benzyl phthalate	94		106		40-140	12		50
Di-n-butylphthalate	96		108		40-140	12		50
Di-n-octylphthalate	106		114		40-140	7		50
Diethyl phthalate	82		99		40-140	19		50
Dimethyl phthalate	74		90		40-140	20		50
Benzo(a)anthracene	85		100		40-140	16		50
Benzo(a)pyrene	77		88		40-140	13		50
Benzo(b)fluoranthene	81		84		40-140	4		50
Benzo(k)fluoranthene	80		90		40-140	12		50
Chrysene	75		85		40-140	13		50
Acenaphthylene	72		86		40-140	18		50
Anthracene	80		93		40-140	15		50
Benzo(ghi)perylene	83		100		40-140	19		50
Fluorene	91		92		40-140	1		50
Phenanthrene	77		90		40-140	16		50
Dibenzo(a,h)anthracene	87		109		40-140	22		50
Indeno(1,2,3-cd)pyrene	94		114		40-140	19		50
Pyrene	89		87		35-142	2		50
Biphenyl	77		99		37-127	25		50
4-Chloroaniline	60		66		40-140	10		50
2-Nitroaniline	85		101		47-134	17		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: CENTER AVE
Project Number: 10567

Lab Number: L1944968
Report Date: 10/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG1290787-2 WG1290787-3								
3-Nitroaniline	76		86		26-129	12		50
4-Nitroaniline	88		92		41-125	4		50
Dibenzofuran	78		92		40-140	16		50
2-Methylnaphthalene	72		86		40-140	18		50
1,2,4,5-Tetrachlorobenzene	74		93		40-117	23		50
Acetophenone	86		90		14-144	5		50
2,4,6-Trichlorophenol	86		97		30-130	12		50
p-Chloro-m-cresol	88		98		26-103	11		50
2-Chlorophenol	90		92		25-102	2		50
2,4-Dichlorophenol	89		86		30-130	3		50
2,4-Dimethylphenol	81		83		30-130	2		50
2-Nitrophenol	87		89		30-130	2		50
4-Nitrophenol	97		112		11-114	14		50
2,4-Dinitrophenol	71		79		4-130	11		50
4,6-Dinitro-o-cresol	106		118		10-130	11		50
Pentachlorophenol	73		92		17-109	23		50
Phenol	80		88		26-90	10		50
2-Methylphenol	92		94		30-130.	2		50
3-Methylphenol/4-Methylphenol	87		91		30-130	4		50
2,4,5-Trichlorophenol	82		95		30-130	15		50
Benzoic Acid	37		33		10-110	11		50
Benzyl Alcohol	92		94		40-140	2		50
Carbazole	81		100		54-128	21		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: CENTER AVE

Project Number: 10567

Lab Number: L1944968

Report Date: 10/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG1290787-2 WG1290787-3								
1,4-Dioxane	64		66		40-140	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	85		88		25-120
Phenol-d6	87		98		10-120
Nitrobenzene-d5	81		83		23-120
2-Fluorobiphenyl	67		79		30-120
2,4,6-Tribromophenol	78		94		10-136
4-Terphenyl-d14	87		86		18-120

INORGANICS
&
MISCELLANEOUS

Project Name: CENTER AVE
Project Number: 10567
Lab Number: L1944968
Report Date: 10/11/19

SAMPLE RESULTS

Lab ID: L1944968-01
Client ID: FP-1 (2-4)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 09/27/19 10:00
Date Received: 09/27/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	09/28/19 09:28	121,2540G	RI

Project Name: CENTER AVE
Project Number: 10567
Lab Number: L1944968
Report Date: 10/11/19

SAMPLE RESULTS

Lab ID: L1944968-03
Client ID: FP-1 (6-7)
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 09/27/19 10:20
Date Received: 09/27/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.3		%	0.100	NA	1	-	09/28/19 12:53	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: CENTER AVE
Project Number: 10567

Lab Number: L1944968
Report Date: 10/11/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1289792-1 QC Sample: L1944859-01 Client ID: DUP Sample						
Solids, Total	88.3	89.8	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1289855-1 QC Sample: L1944980-03 Client ID: DUP Sample						
Solids, Total	80.9	80.1	%	1		20

Project Name: CENTER AVE
Project Number: 10567

Lab Number: L1944968
Report Date: 10/11/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1944968-01A	5 gram Encore Sampler	A	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L1944968-01B	5 gram Encore Sampler	A	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L1944968-01C	5 gram Encore Sampler	A	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L1944968-01D	Plastic 2oz unpreserved for TS	A	NA		4.5	Y	Absent		TS(7)
L1944968-01E	Glass 250ml/8oz unpreserved	A	NA		4.5	Y	Absent		NYTCL-8270(14)
L1944968-01X	Vial MeOH preserved split	A	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L1944968-01Y	Vial Water preserved split	A	NA		4.5	Y	Absent	28-SEP-19 12:03	NYTCL-8260HLW(14)
L1944968-01Z	Vial Water preserved split	A	NA		4.5	Y	Absent	28-SEP-19 12:03	NYTCL-8260HLW(14)
L1944968-02A	5 gram Encore Sampler	A	NA		4.5	Y	Absent		HOLD-8260HLW(14)
L1944968-02B	5 gram Encore Sampler	A	NA		4.5	Y	Absent		HOLD-8260HLW(14)
L1944968-02C	5 gram Encore Sampler	A	NA		4.5	Y	Absent		HOLD-8260HLW(14)
L1944968-02D	Glass 250ml/8oz unpreserved	A	NA		4.5	Y	Absent		HOLD-8270(14)
L1944968-02E	Glass 250ml/8oz unpreserved	A	NA		4.5	Y	Absent		HOLD-8270(14)
L1944968-02X	Vial MeOH preserved split	A	NA		4.5	Y	Absent		HOLD-8260HLW(14)
L1944968-02Y	Vial Water preserved split	A	NA		4.5	Y	Absent	28-SEP-19 12:03	HOLD-8260HLW(14)
L1944968-02Z	Vial Water preserved split	A	NA		4.5	Y	Absent	28-SEP-19 12:03	HOLD-8260HLW(14)
L1944968-03A	5 gram Encore Sampler	A	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L1944968-03B	5 gram Encore Sampler	A	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L1944968-03C	5 gram Encore Sampler	A	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L1944968-03D	Glass 250ml/8oz unpreserved	A	NA		4.5	Y	Absent		NYTCL-8270(14),TS(7)
L1944968-03E	Glass 250ml/8oz unpreserved	A	NA		4.5	Y	Absent		NYTCL-8270(14),TS(7)
L1944968-03X	Vial MeOH preserved split	A	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L1944968-03Y	Vial Water preserved split	A	NA		4.5	Y	Absent	28-SEP-19 12:03	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: CENTER AVE
Project Number: 10567

Lab Number: L1944968
Report Date: 10/11/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1944968-03Z	Vial Water preserved split	A	NA		4.5	Y	Absent	28-SEP-19 12:03	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name:	CENTER AVE	**Lab Number:**	L1944968
Project Number:	10567	**Report Date:**	10/11/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	CENTER AVE	**Lab Number:**	L1944968
Project Number:	10567	**Report Date:**	10/11/19

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

Terms

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CENTER AVE	**Lab Number:**	L1944968
Project Number:	10567	**Report Date:**	10/11/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 1 of 1

Date Rec'd in Lab: 9/28/19

ALPHA Job #: L1944968

Client Information
Client: SESI
Address: 12a Maple ave
Pine Brook, NJ
Phone: 973 808 0050
Fax:
Email: JAM@sesi.us

Project Information
Project Name: Center ave
Project Location: New Rochelle, NY
Project #: 10567
(Use Project name as Project #): ☒
Project Manager: Jesse Mausner
ALPHAQuote #:

Turn-Around Time
Standard ☒ 1 week Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other email, excel

Regulatory Requirement
☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☒ Other NY unrestricted

Billing Information
☒ Same as Client Info
PO # 10567
Phase 1

Site Information
Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

For EPH, selection is REQUIRED:
☐ Category 1
☐ Category 2

For VOC, selection is REQUIRED:
☐ 1,4-Dioxane
☐ 8011

Other project specific requirements/comments:
Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	HOLD	Sample Specific Comments	Total Bottle
44968 - 01	FP-1 (2-4)	9/27/19	1000	Soil	PR	X	X			
-02	FP-1 (4-6)		1010					X		
-03	FP-1 (6-7)		1020			X	X			

Container Type: E,B | G | E,G
Preservative:

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	9/27/19		9/27/19 1440
	9/27/19 1940		9/27/19 2140
	9/28/19 0130		9/28/19 01:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)

JOB: L1951248 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
0700: PCBs Cover Page - OK
0710: PCBs Sample Results - OK
0720: PCBs Method Blank Report - OK
0730: PCBs LCS Report - OK
0900: Pesticides Cover Page - OK
0910: Pesticides Sample Results - OK
0920: Pesticides Method Blank Report - OK
0930: Pesticides LCS Report - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1040: Metals Matrix Spike Report - OK
1050: Metals Duplicate Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1210: Wet Chemistry Method Blank Report - OK
1220: Wet Chemistry LCS Report - OK
1240: Wet Chemistry Matrix Spike Report - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK

No results found for sample L1951248-01 for product A2-NY-537-ISOTOPE
No results found for sample L1951248-02 for product A2-NY-537-ISOTOPE
No results found for sample L1951248-03 for product A2-NY-537-ISOTOPE
No results found for sample L1951248-04 for product A2-NY-537-ISOTOPE
No results found for sample L1951248-05 for product A2-NY-537-ISOTOPE
No results found for sample L1951248-06 for product A2-NY-537-ISOTOPE

ANALYTICAL REPORT

Lab Number:	L1951248
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	33 CENTRE AVE
Project Number:	10567
Report Date:	11/04/19

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

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

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1951248-01	B-19 (4'-5')	SOIL	NEW ROCHELLE, NY	10/30/19 09:50	10/30/19
L1951248-02	B-19 (5.5'-6.5')	SOIL	NEW ROCHELLE, NY	10/30/19 10:05	10/30/19
L1951248-03	B-12 (3'-4')	SOIL	NEW ROCHELLE, NY	10/30/19 10:25	10/30/19
L1951248-04	B-12 (8'-9')	SOIL	NEW ROCHELLE, NY	10/30/19 10:35	10/30/19
L1951248-05	B-18 (2'-3')	SOIL	NEW ROCHELLE, NY	10/30/19 11:00	10/30/19
L1951248-06	B-17 (1.5'-2.5')	SOIL	NEW ROCHELLE, NY	10/30/19 11:35	10/30/19
L1951248-07	WC-B2 (0'-5') COMP	SOIL	NEW ROCHELLE, NY	10/30/19 11:45	10/30/19
L1951248-08	WC-B2 (3')-VOCS	SOIL	NEW ROCHELLE, NY	10/30/19 10:50	10/30/19
L1951248-09	WC-B2-(5'-10')-COMP	SOIL	NEW ROCHELLE, NY	10/30/19 11:55	10/30/19
L1951248-10	WC-B2-(8')-VOCS	SOIL	NEW ROCHELLE, NY	10/30/19 11:55	10/30/19

Project Name:	33 CENTRE AVE	**Lab Number:**	L1951248
Project Number:	10567	**Report Date:**	11/04/19

Case Narrative

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

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

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

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

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

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

Project Name:	33 CENTRE AVE	**Lab Number:**	L1951248
Project Number:	10567	**Report Date:**	11/04/19

Case Narrative (continued)

Report Submission

November 04, 2019: This preliminary report includes the results of the Volatile Organics analysis performed on L1951248-08 and -10; the results of the Semivolatile Organics analysis performed on L1951248-09; and the results of the Metals analysis performed on L1951248-07 and -09.

October 31, 2019: This is a preliminary report.

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

Sample Receipt

L1951248-09: The collection date and time on the chain of custody was 30-OCT-19 11:55; however, the collection date/time on the container label was 30-OCT-19 11:15. At the client's request, the collection date/time is reported as 30-OCT-19 11:55.

Volatile Organics

L1951248-04: The sample was analyzed as a High Level Methanol in order to quantitate results within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported.

Semivolatile Organics

The WG1303105-2/-3 LCS/LCSD recoveries, associated with L1951248-09, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

Total Metals

L1951248-01 through -07, and -09: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Project Name: 33 CENTRE AVE **Lab Number:** L1951248
Project Number: 10567 **Report Date:** 11/04/19

Case Narrative (continued)

The WG1302826-3 MS recoveries for aluminum (1160%), chromium (187%), copper (69%), iron (2420%), and manganese (269%), performed on L1951248-01, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG1302826-3 MS recovery, performed on L1951248-01, is outside the acceptance criteria for nickel (152%). A post digestion spike was performed and yielded an unacceptable recovery for nickel (79%). The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.
The WG1302826-3 MS recoveries, performed on L1951248-01, are outside the acceptance criteria for magnesium (297%) and sodium (4%). A post digestion spike was performed and was within acceptance criteria.
The WG1302850-3 MS recovery, performed on L1951248-01, is outside the acceptance criteria for mercury (129%). A post digestion spike was performed and was within acceptance criteria.
The WG1302826-4 Laboratory Duplicate RPDs for calcium (45%), chromium (28%), lead (39%), nickel (21%) and sodium (54%), performed on L1951248-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

Cyanide, Total
The WG1302781-2/-3 LCS/LCSD recoveries (58%/75%), associated with L1951248-01 through -06, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.
The WG1302927-2/-3 LCS/LCSD recoveries (64%/67%), associated with L1951248-07 and -09, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 11/04/19

ORGANICS

VOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/31/19 09:32
Analyst: MV
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	0.39	J	ug/kg	1.1	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	0.51	J	ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.2	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	0.62	J	ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	4.9		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	0.27	J	ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	0.27	J	ug/kg	1.1	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.97	1
Acetone	13		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.8	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.2	0.69	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	85	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

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

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/31/19 09:58
Analyst: MV
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	2.0		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	1.6		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	1.9		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	1.2		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 33 CENTRE AVE **Lab Number:** L1951248

Project Number: 10567 **Report Date:** 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-02 Date Collected: 10/30/19 10:05

Client ID: B-19 (5.5'-6.5') Date Received: 10/30/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	63		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	0.29	J	ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.29	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	20		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	3.4	J	ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.66	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	81	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/31/19 10:24
Analyst: MV
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.91	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.91	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.91	0.11	1
Dibromochloromethane	ND		ug/kg	0.91	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	0.24	1
Tetrachloroethene	3.0		ug/kg	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.63	1
1,2-Dichloroethane	ND		ug/kg	0.91	0.23	1
1,1,1-Trichloroethane	0.72		ug/kg	0.45	0.15	1
Bromodichloromethane	ND		ug/kg	0.45	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.45	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.45	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	0.15	1
Benzene	ND		ug/kg	0.45	0.15	1
Toluene	ND		ug/kg	0.91	0.49	1
Ethylbenzene	ND		ug/kg	0.91	0.13	1
Chloromethane	ND		ug/kg	3.6	0.84	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.91	0.30	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.91	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	4.0		ug/kg	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.91	0.26	1
Xylenes, Total	ND		ug/kg	0.91	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.91	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.91	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.1	0.83	1
Acetone	ND		ug/kg	9.1	4.4	1
Carbon disulfide	ND		ug/kg	9.1	4.1	1
2-Butanone	ND		ug/kg	9.1	2.0	1
Vinyl acetate	ND		ug/kg	9.1	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.1	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.91	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.45	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.91	0.15	1
sec-Butylbenzene	ND		ug/kg	0.91	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.90	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.91	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.91	0.10	1
Naphthalene	ND		ug/kg	3.6	0.59	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.91	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	72	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.5	1.3	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/31/19 10:49
Analyst: MV
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	0.20	J	ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	0.31	J	ug/kg	1.1	0.29	1
Tetrachloroethene	1.6		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	16		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	0.42	J	ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	340	E	ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	5.2	J	ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/31/19 12:55
Analyst: MV
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	380	170	1
1,1-Dichloroethane	ND		ug/kg	75	11.	1
Chloroform	ND		ug/kg	110	10.	1
Carbon tetrachloride	ND		ug/kg	75	17.	1
1,2-Dichloropropane	ND		ug/kg	75	9.4	1
Dibromochloromethane	ND		ug/kg	75	10.	1
1,1,2-Trichloroethane	ND		ug/kg	75	20.	1
Tetrachloroethene	ND		ug/kg	38	15.	1
Chlorobenzene	ND		ug/kg	38	9.6	1
Trichlorofluoromethane	ND		ug/kg	300	52.	1
1,2-Dichloroethane	ND		ug/kg	75	19.	1
1,1,1-Trichloroethane	13	J	ug/kg	38	12.	1
Bromodichloromethane	ND		ug/kg	38	8.2	1
trans-1,3-Dichloropropene	ND		ug/kg	75	20.	1
cis-1,3-Dichloropropene	ND		ug/kg	38	12.	1
1,3-Dichloropropene, Total	ND		ug/kg	38	12.	1
1,1-Dichloropropene	ND		ug/kg	38	12.	1
Bromoform	ND		ug/kg	300	18.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	38	12.	1
Benzene	ND		ug/kg	38	12.	1
Toluene	ND		ug/kg	75	41.	1
Ethylbenzene	ND		ug/kg	75	11.	1
Chloromethane	ND		ug/kg	300	70.	1
Bromomethane	ND		ug/kg	150	44.	1
Vinyl chloride	ND		ug/kg	75	25.	1
Chloroethane	ND		ug/kg	150	34.	1
1,1-Dichloroethene	ND		ug/kg	75	18.	1
trans-1,2-Dichloroethene	ND		ug/kg	110	10.	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	290		ug/kg	38	10.	1
1,2-Dichlorobenzene	ND		ug/kg	150	11.	1
1,3-Dichlorobenzene	ND		ug/kg	150	11.	1
1,4-Dichlorobenzene	ND		ug/kg	150	13.	1
Methyl tert butyl ether	ND		ug/kg	150	15.	1
p/m-Xylene	ND		ug/kg	150	42.	1
o-Xylene	ND		ug/kg	75	22.	1
Xylenes, Total	ND		ug/kg	75	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	75	13.	1
1,2-Dichloroethene, Total	ND		ug/kg	75	10.	1
Dibromomethane	ND		ug/kg	150	18.	1
Styrene	ND		ug/kg	75	15.	1
Dichlorodifluoromethane	ND		ug/kg	750	69.	1
Acetone	5100		ug/kg	750	360	1
Carbon disulfide	ND		ug/kg	750	340	1
2-Butanone	ND		ug/kg	750	170	1
Vinyl acetate	ND		ug/kg	750	160	1
4-Methyl-2-pentanone	ND		ug/kg	750	96.	1
1,2,3-Trichloropropane	ND		ug/kg	150	9.6	1
2-Hexanone	ND		ug/kg	750	89.	1
Bromochloromethane	ND		ug/kg	150	15.	1
2,2-Dichloropropane	ND		ug/kg	150	15.	1
1,2-Dibromoethane	ND		ug/kg	75	21.	1
1,3-Dichloropropane	ND		ug/kg	150	12.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	38	9.9	1
Bromobenzene	ND		ug/kg	150	11.	1
n-Butylbenzene	ND		ug/kg	75	12.	1
sec-Butylbenzene	ND		ug/kg	75	11.	1
tert-Butylbenzene	ND		ug/kg	150	8.9	1
o-Chlorotoluene	ND		ug/kg	150	14.	1
p-Chlorotoluene	ND		ug/kg	150	8.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	220	75.	1
Hexachlorobutadiene	ND		ug/kg	300	13.	1
Isopropylbenzene	ND		ug/kg	75	8.2	1
p-Isopropyltoluene	ND		ug/kg	75	8.2	1
Naphthalene	ND		ug/kg	300	49.	1
Acrylonitrile	ND		ug/kg	300	86.	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	75	13.	1
1,2,3-Trichlorobenzene	ND		ug/kg	150	24.	1
1,2,4-Trichlorobenzene	ND		ug/kg	150	20.	1
1,3,5-Trimethylbenzene	ND		ug/kg	150	14.	1
1,2,4-Trimethylbenzene	ND		ug/kg	150	25.	1
1,4-Dioxane	ND		ug/kg	6000	2600	1
p-Diethylbenzene	ND		ug/kg	150	13.	1
p-Ethyltoluene	ND		ug/kg	150	29.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	150	14.	1
Ethyl ether	ND		ug/kg	150	26.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	380	110	1
Tentatively Identified Compounds						
Total TIC Compounds	4010	J	ug/kg			1
Unknown	1960	J	ug/kg			1
Unknown	1420	J	ug/kg			1
Unknown Alkane	413	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	217	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/31/19 11:14
Analyst: MV
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	0.16	J	ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	6.9		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 33 CENTRE AVE **Lab Number:** L1951248

Project Number: 10567 **Report Date:** 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-05 Date Collected: 10/30/19 11:00

Client ID: B-18 (2'-3') Date Received: 10/30/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.81		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.66	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	81	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/31/19 11:39
Analyst: MV
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	0.27	J	ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	1.0		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	1.1		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	ND		ug/kg	0.50	0.16	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.4		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.91	1
Acetone	10		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.5	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.65	1
Acrylonitrile	ND		ug/kg	4.0	1.1	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	80	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-08
Client ID: WC-B2 (3')-VOCS
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/31/19 15:30
Analyst: AD
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	6.8		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	0.37	J	ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-08
Client ID: WC-B2 (3')-VOCS
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	2.0		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.97	1
Acetone	ND		ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.12	1
Naphthalene	ND		ug/kg	4.2	0.69	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-08
Client ID: WC-B2 (3')-VOCS
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

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

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-10
Client ID: WC-B2-(8')-VOCS
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/31/19 21:28
Analyst: JC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	13	6.2	1
1,1-Dichloroethane	ND		ug/kg	2.7	0.39	1
Chloroform	ND		ug/kg	4.0	0.38	1
Carbon tetrachloride	ND		ug/kg	2.7	0.62	1
1,2-Dichloropropane	ND		ug/kg	2.7	0.34	1
Dibromochloromethane	ND		ug/kg	2.7	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	2.7	0.72	1
Tetrachloroethene	ND		ug/kg	1.3	0.53	1
Chlorobenzene	ND		ug/kg	1.3	0.34	1
Trichlorofluoromethane	ND		ug/kg	11	1.9	1
1,2-Dichloroethane	ND		ug/kg	2.7	0.69	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.45	1
Bromodichloromethane	ND		ug/kg	1.3	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	0.73	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.42	1
1,3-Dichloropropene, Total	ND		ug/kg	1.3	0.42	1
1,1-Dichloropropene	ND		ug/kg	1.3	0.43	1
Bromoform	ND		ug/kg	11	0.66	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.45	1
Benzene	ND		ug/kg	1.3	0.45	1
Toluene	ND		ug/kg	2.7	1.4	1
Ethylbenzene	ND		ug/kg	2.7	0.38	1
Chloromethane	ND		ug/kg	11	2.5	1
Bromomethane	ND		ug/kg	5.4	1.6	1
Vinyl chloride	ND		ug/kg	2.7	0.90	1
Chloroethane	ND		ug/kg	5.4	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.7	0.64	1
trans-1,2-Dichloroethene	ND		ug/kg	4.0	0.37	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-10
Client ID: WC-B2-(8')-VOCS
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	4.8		ug/kg	1.3	0.37	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.39	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.40	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.46	1
Methyl tert butyl ether	ND		ug/kg	5.4	0.54	1
p/m-Xylene	ND		ug/kg	5.4	1.5	1
o-Xylene	ND		ug/kg	2.7	0.78	1
Xylenes, Total	ND		ug/kg	2.7	0.78	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	0.47	1
1,2-Dichloroethene, Total	ND		ug/kg	2.7	0.37	1
Dibromomethane	ND		ug/kg	5.4	0.64	1
Styrene	ND		ug/kg	2.7	0.53	1
Dichlorodifluoromethane	ND		ug/kg	27	2.4	1
Acetone	ND		ug/kg	27	13.	1
Carbon disulfide	ND		ug/kg	27	12.	1
2-Butanone	ND		ug/kg	27	6.0	1
Vinyl acetate	ND		ug/kg	27	5.8	1
4-Methyl-2-pentanone	ND		ug/kg	27	3.4	1
1,2,3-Trichloropropane	ND		ug/kg	5.4	0.34	1
2-Hexanone	ND		ug/kg	27	3.2	1
Bromochloromethane	ND		ug/kg	5.4	0.55	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.54	1
1,2-Dibromoethane	ND		ug/kg	2.7	0.75	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.45	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.35	1
Bromobenzene	ND		ug/kg	5.4	0.39	1
n-Butylbenzene	ND		ug/kg	2.7	0.45	1
sec-Butylbenzene	ND		ug/kg	2.7	0.39	1
tert-Butylbenzene	ND		ug/kg	5.4	0.32	1
o-Chlorotoluene	ND		ug/kg	5.4	0.51	1
p-Chlorotoluene	ND		ug/kg	5.4	0.29	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.1	2.7	1
Hexachlorobutadiene	ND		ug/kg	11	0.45	1
Isopropylbenzene	ND		ug/kg	2.7	0.29	1
p-Isopropyltoluene	ND		ug/kg	2.7	0.29	1
Naphthalene	ND		ug/kg	11	1.7	1
Acrylonitrile	ND		ug/kg	11	3.1	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-10
Client ID: WC-B2-(8')-VOCS
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.7	0.46	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.86	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.52	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.90	1
1,4-Dioxane	ND		ug/kg	220	94.	1
p-Diethylbenzene	ND		ug/kg	5.4	0.48	1
p-Ethyltoluene	ND		ug/kg	5.4	1.0	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.4	0.51	1
Ethyl ether	ND		ug/kg	5.4	0.92	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	3.8	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 08:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06,08 Batch: WG1302937-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 08:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06,08 Batch: WG1302937-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.23	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 08:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06,08 Batch: WG1302937-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds			
Total TIC Compounds	6.24	J	ug/kg
Unknown	6.24	J	ug/kg

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 08:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06,08 Batch: WG1302937-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 08:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1303065-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 08:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1303065-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	11	J	ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 08:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1303065-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Tentatively Identified Compounds

Total TIC Compounds	312	J	ug/kg
Unknown	312	J	ug/kg

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 08:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1303065-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 20:11
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 10 Batch: WG1303472-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 20:11
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 10 Batch: WG1303472-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.22	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 20:11
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 10 Batch: WG1303472-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 20:11
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 10 Batch: WG1303472-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06,08 Batch: WG1302937-3 WG1302937-4								
Methylene chloride	100		99		70-130	1		30
1,1-Dichloroethane	102		102		70-130	0		30
Chloroform	108		110		70-130	2		30
Carbon tetrachloride	111		110		70-130	1		30
1,2-Dichloropropane	101		101		70-130	0		30
Dibromochloromethane	91		94		70-130	3		30
1,1,2-Trichloroethane	89		90		70-130	1		30
Tetrachloroethene	98		100		70-130	2		30
Chlorobenzene	99		101		70-130	2		30
Trichlorofluoromethane	102		100		70-139	2		30
1,2-Dichloroethane	92		93		70-130	1		30
1,1,1-Trichloroethane	102		104		70-130	2		30
Bromodichloromethane	94		95		70-130	1		30
trans-1,3-Dichloropropene	92		94		70-130	2		30
cis-1,3-Dichloropropene	98		100		70-130	2		30
1,1-Dichloropropene	106		106		70-130	0		30
Bromoform	87		90		70-130	3		30
1,1,2,2-Tetrachloroethane	82		84		70-130	2		30
Benzene	98		98		70-130	0		30
Toluene	92		92		70-130	0		30
Ethylbenzene	94		94		70-130	0		30
Chloromethane	118		117		52-130	1		30
Bromomethane	132		127		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06,08 Batch: WG1302937-3 WG1302937-4								
Vinyl chloride	123		121		67-130	2		30
Chloroethane	113		111		50-151	2		30
1,1-Dichloroethene	112		112		65-135	0		30
trans-1,2-Dichloroethene	105		106		70-130	1		30
Trichloroethene	101		100		70-130	1		30
1,2-Dichlorobenzene	88		89		70-130	1		30
1,3-Dichlorobenzene	90		92		70-130	2		30
1,4-Dichlorobenzene	87		89		70-130	2		30
Methyl tert butyl ether	100		101		66-130	1		30
p/m-Xylene	90		90		70-130	0		30
o-Xylene	88		88		70-130	0		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	97		99		70-130	2		30
Styrene	87		88		70-130	1		30
Dichlorodifluoromethane	125		128		30-146	2		30
Acetone	112		107		54-140	5		30
Carbon disulfide	109		109		59-130	0		30
2-Butanone	98		99		70-130	1		30
Vinyl acetate	110		111		70-130	1		30
4-Methyl-2-pentanone	96		100		70-130	4		30
1,2,3-Trichloropropane	83		84		68-130	1		30
2-Hexanone	96		99		70-130	3		30
Bromochloromethane	105		106		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06,08 Batch: WG1302937-3 WG1302937-4								
2,2-Dichloropropane	110		108		70-130	2		30
1,2-Dibromoethane	91		94		70-130	3		30
1,3-Dichloropropane	88		89		69-130	1		30
1,1,1,2-Tetrachloroethane	88		90		70-130	2		30
Bromobenzene	87		88		70-130	1		30
n-Butylbenzene	94		94		70-130	0		30
sec-Butylbenzene	93		93		70-130	0		30
tert-Butylbenzene	92		92		70-130	0		30
o-Chlorotoluene	86		86		70-130	0		30
p-Chlorotoluene	86		86		70-130	0		30
1,2-Dibromo-3-chloropropane	95		95		68-130	0		30
Hexachlorobutadiene	96		96		67-130	0		30
Isopropylbenzene	90		91		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	94		94		70-130	0		30
Acrylonitrile	109		108		70-130	1		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	96		96		70-130	0		30
1,2,4-Trichlorobenzene	97		99		70-130	2		30
1,3,5-Trimethylbenzene	89		90		70-130	1		30
1,2,4-Trimethylbenzene	88		89		70-130	1		30
1,4-Dioxane	98		105		65-136	7		30
p-Diethylbenzene	96		96		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06,08 Batch: WG1302937-3 WG1302937-4								
p-Ethyltoluene	92		92		70-130	0		30
1,2,4,5-Tetramethylbenzene	92		93		70-130	1		30
Ethyl ether	104		105		67-130	1		30
trans-1,4-Dichloro-2-butene	88		88		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		91		70-130
Toluene-d8	92		93		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1303065-3 WG1303065-4								
Methylene chloride	100		99		70-130	1		30
1,1-Dichloroethane	102		102		70-130	0		30
Chloroform	108		110		70-130	2		30
Carbon tetrachloride	111		110		70-130	1		30
1,2-Dichloropropane	101		101		70-130	0		30
Dibromochloromethane	91		94		70-130	3		30
1,1,2-Trichloroethane	89		90		70-130	1		30
Tetrachloroethene	98		100		70-130	2		30
Chlorobenzene	99		101		70-130	2		30
Trichlorofluoromethane	102		100		70-139	2		30
1,2-Dichloroethane	92		93		70-130	1		30
1,1,1-Trichloroethane	102		104		70-130	2		30
Bromodichloromethane	94		95		70-130	1		30
trans-1,3-Dichloropropene	92		94		70-130	2		30
cis-1,3-Dichloropropene	98		100		70-130	2		30
1,1-Dichloropropene	106		106		70-130	0		30
Bromoform	87		90		70-130	3		30
1,1,2,2-Tetrachloroethane	82		84		70-130	2		30
Benzene	98		98		70-130	0		30
Toluene	92		92		70-130	0		30
Ethylbenzene	94		94		70-130	0		30
Chloromethane	118		117		52-130	1		30
Bromomethane	132		127		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1303065-3 WG1303065-4								
Vinyl chloride	123		121		67-130	2		30
Chloroethane	113		111		50-151	2		30
1,1-Dichloroethene	112		112		65-135	0		30
trans-1,2-Dichloroethene	105		106		70-130	1		30
Trichloroethene	101		100		70-130	1		30
1,2-Dichlorobenzene	88		89		70-130	1		30
1,3-Dichlorobenzene	90		92		70-130	2		30
1,4-Dichlorobenzene	87		89		70-130	2		30
Methyl tert butyl ether	100		101		66-130	1		30
p/m-Xylene	90		90		70-130	0		30
o-Xylene	88		88		70-130	0		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	97		99		70-130	2		30
Styrene	87		88		70-130	1		30
Dichlorodifluoromethane	125		128		30-146	2		30
Acetone	112		107		54-140	5		30
Carbon disulfide	109		109		59-130	0		30
2-Butanone	98		99		70-130	1		30
Vinyl acetate	110		111		70-130	1		30
4-Methyl-2-pentanone	96		100		70-130	4		30
1,2,3-Trichloropropane	83		84		68-130	1		30
2-Hexanone	96		99		70-130	3		30
Bromochloromethane	105		106		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1303065-3 WG1303065-4								
2,2-Dichloropropane	110		108		70-130	2		30
1,2-Dibromoethane	91		94		70-130	3		30
1,3-Dichloropropane	88		89		69-130	1		30
1,1,1,2-Tetrachloroethane	88		90		70-130	2		30
Bromobenzene	87		88		70-130	1		30
n-Butylbenzene	94		94		70-130	0		30
sec-Butylbenzene	93		93		70-130	0		30
tert-Butylbenzene	92		92		70-130	0		30
o-Chlorotoluene	86		86		70-130	0		30
p-Chlorotoluene	86		86		70-130	0		30
1,2-Dibromo-3-chloropropane	95		95		68-130	0		30
Hexachlorobutadiene	96		96		67-130	0		30
Isopropylbenzene	90		91		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	94		94		70-130	0		30
Acrylonitrile	109		108		70-130	1		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	96		96		70-130	0		30
1,2,4-Trichlorobenzene	97		99		70-130	2		30
1,3,5-Trimethylbenzene	89		90		70-130	1		30
1,2,4-Trimethylbenzene	88		89		70-130	1		30
1,4-Dioxane	98		105		65-136	7		30
p-Diethylbenzene	96		96		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1303065-3 WG1303065-4								
p-Ethyltoluene	92		92		70-130	0		30
1,2,4,5-Tetramethylbenzene	92		93		70-130	1		30
Ethyl ether	104		105		67-130	1		30
trans-1,4-Dichloro-2-butene	88		88		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		91		70-130
Toluene-d8	92		93		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 10 Batch: WG1303472-3 WG1303472-4								
Methylene chloride	100		101		70-130	1		30
1,1-Dichloroethane	102		103		70-130	1		30
Chloroform	109		111		70-130	2		30
Carbon tetrachloride	95		99		70-130	4		30
1,2-Dichloropropane	103		104		70-130	1		30
Dibromochloromethane	90		94		70-130	4		30
1,1,2-Trichloroethane	90		93		70-130	3		30
Tetrachloroethene	85		88		70-130	3		30
Chlorobenzene	98		100		70-130	2		30
Trichlorofluoromethane	88		89		70-139	1		30
1,2-Dichloroethane	96		96		70-130	0		30
1,1,1-Trichloroethane	94		96		70-130	2		30
Bromodichloromethane	95		98		70-130	3		30
trans-1,3-Dichloropropene	92		95		70-130	3		30
cis-1,3-Dichloropropene	99		100		70-130	1		30
1,1-Dichloropropene	98		98		70-130	0		30
Bromoform	83		88		70-130	6		30
1,1,2,2-Tetrachloroethane	81		84		70-130	4		30
Benzene	97		98		70-130	1		30
Toluene	89		91		70-130	2		30
Ethylbenzene	91		91		70-130	0		30
Chloromethane	112		116		52-130	4		30
Bromomethane	134		133		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 10 Batch: WG1303472-3 WG1303472-4								
Vinyl chloride	117		118		67-130	1		30
Chloroethane	116		116		50-151	0		30
1,1-Dichloroethene	95		100		65-135	5		30
trans-1,2-Dichloroethene	98		102		70-130	4		30
Trichloroethene	95		96		70-130	1		30
1,2-Dichlorobenzene	85		88		70-130	3		30
1,3-Dichlorobenzene	87		89		70-130	2		30
1,4-Dichlorobenzene	84		86		70-130	2		30
Methyl tert butyl ether	100		103		66-130	3		30
p/m-Xylene	88		89		70-130	1		30
o-Xylene	88		89		70-130	1		30
cis-1,2-Dichloroethene	100		104		70-130	4		30
Dibromomethane	98		101		70-130	3		30
Styrene	90		90		70-130	0		30
Dichlorodifluoromethane	100		107		30-146	7		30
Acetone	111		116		54-140	4		30
Carbon disulfide	100		102		59-130	2		30
2-Butanone	103		105		70-130	2		30
Vinyl acetate	110		111		70-130	1		30
4-Methyl-2-pentanone	96		101		70-130	5		30
1,2,3-Trichloropropane	81		84		68-130	4		30
2-Hexanone	96		101		70-130	5		30
Bromochloromethane	102		106		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 10 Batch: WG1303472-3 WG1303472-4								
2,2-Dichloropropane	98		101		70-130	3		30
1,2-Dibromoethane	91		93		70-130	2		30
1,3-Dichloropropane	91		92		69-130	1		30
1,1,1,2-Tetrachloroethane	88		90		70-130	2		30
Bromobenzene	84		86		70-130	2		30
n-Butylbenzene	84		86		70-130	2		30
sec-Butylbenzene	84		85		70-130	1		30
tert-Butylbenzene	84		85		70-130	1		30
o-Chlorotoluene	82		83		70-130	1		30
p-Chlorotoluene	83		84		70-130	1		30
1,2-Dibromo-3-chloropropane	88		92		68-130	4		30
Hexachlorobutadiene	83		86		67-130	4		30
Isopropylbenzene	82		83		70-130	1		30
p-Isopropyltoluene	85		87		70-130	2		30
Naphthalene	88		94		70-130	7		30
Acrylonitrile	111		111		70-130	0		30
n-Propylbenzene	84		84		70-130	0		30
1,2,3-Trichlorobenzene	89		93		70-130	4		30
1,2,4-Trichlorobenzene	88		92		70-130	4		30
1,3,5-Trimethylbenzene	84		86		70-130	2		30
1,2,4-Trimethylbenzene	84		86		70-130	2		30
1,4-Dioxane	104		109		65-136	5		30
p-Diethylbenzene	87		88		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 10 Batch: WG1303472-3 WG1303472-4								
p-Ethyltoluene	86		86		70-130	0		30
1,2,4,5-Tetramethylbenzene	88		89		70-130	1		30
Ethyl ether	104		107		67-130	3		30
trans-1,4-Dichloro-2-butene	84		87		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	93		93		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	97		99		70-130

SEMIVOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/31/19 11:43
Analyst: JG
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	37	J	ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	26	J	ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	70.	1
2-Nitrophenol	ND		ug/kg	460	80.	1
4-Nitrophenol	ND		ug/kg	300	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	99.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	ND		ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	32	9.7	1
Tentatively Identified Compounds						
Total TIC Compounds	499	J	ug/kg			1
Unknown	499	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	56		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/31/19 12:06
Analyst: JG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 33 CENTRE AVE **Lab Number:** L1951248

Project Number: 10567 **Report Date:** 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-02 Date Collected: 10/30/19 10:05

Client ID: B-19 (5.5'-6.5') Date Received: 10/30/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	3400	J	ug/kg			1
Unknown	2820	J	ug/kg			1
Unknown	170	J	ug/kg			1
Cyclic Octaatomic Sulfur	409	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	55		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/31/19 12:29
Analyst: JG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	ND		ug/kg	180	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	62		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/31/19 12:52
Analyst: JG
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	180	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	60		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/31/19 13:15
Analyst: JG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	120		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	70	J	ug/kg	110	20.	1
Benzo(a)pyrene	72	J	ug/kg	150	44.	1
Benzo(b)fluoranthene	89	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	33	J	ug/kg	110	29.	1
Chrysene	61	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	44	J	ug/kg	150	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	48	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	48	J	ug/kg	150	25.	1
Pyrene	100	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	69.	1
4-Nitrophenol	ND		ug/kg	260	74.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	1130	J	ug/kg			1
Tetrachloroethene	977	NJ	ug/kg			1
Unknown	154	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	40		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/31/19 12:34
Analyst: IM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	23	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	74	J	ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	21	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	100	J	ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
Total TIC Compounds	316	J	ug/kg			1
Unknown	316	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	58		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-07
Client ID: WC-B2 (0'-5') COMP
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:45
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/31/19 13:00
Analyst: IM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	160		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-07
Client ID: WC-B2 (0'-5') COMP
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:45
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	59	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	50	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	54	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	70	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	130		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-07
Client ID: WC-B2 (0'-5') COMP
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:45
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	62		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-09
Client ID: WC-B2-(5'-10')-COMP
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/01/19 23:47
Analyst: EK
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 15:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	22	J	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-09
Client ID: WC-B2-(5'-10')-COMP
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-09
Client ID: WC-B2-(5'-10')-COMP
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	111		10-136
4-Terphenyl-d14	74		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/31/19 13:54
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1302765-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/31/19 13:54
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1302765-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/31/19 13:54
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1302765-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	61		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/01/19 21:06
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 10/31/19 15:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1303105-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/01/19 21:06
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 10/31/19 15:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1303105-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/01/19 21:06
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 10/31/19 15:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1303105-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	109		10-136
4-Terphenyl-d14	74		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1302765-2 WG1302765-3								
Acenaphthene	82		82		31-137	0		50
1,2,4-Trichlorobenzene	83		77		38-107	8		50
Hexachlorobenzene	95		94		40-140	1		50
Bis(2-chloroethyl)ether	78		74		40-140	5		50
2-Chloronaphthalene	89		86		40-140	3		50
1,2-Dichlorobenzene	78		74		40-140	5		50
1,3-Dichlorobenzene	77		73		40-140	5		50
1,4-Dichlorobenzene	76		71		28-104	7		50
3,3'-Dichlorobenzidine	63		61		40-140	3		50
2,4-Dinitrotoluene	95		94		40-132	1		50
2,6-Dinitrotoluene	96		93		40-140	3		50
Fluoranthene	82		80		40-140	2		50
4-Chlorophenyl phenyl ether	83		84		40-140	1		50
4-Bromophenyl phenyl ether	92		89		40-140	3		50
Bis(2-chloroisopropyl)ether	58		54		40-140	7		50
Bis(2-chloroethoxy)methane	83		77		40-117	8		50
Hexachlorobutadiene	76		76		40-140	0		50
Hexachlorocyclopentadiene	84		82		40-140	2		50
Hexachloroethane	73		69		40-140	6		50
Isophorone	83		78		40-140	6		50
Naphthalene	80		78		40-140	3		50
Nitrobenzene	81		78		40-140	4		50
NDPA/DPA	88		87		36-157	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1302765-2 WG1302765-3								
n-Nitrosodi-n-propylamine	83		78		32-121	6		50
Bis(2-ethylhexyl)phthalate	90		90		40-140	0		50
Butyl benzyl phthalate	86		85		40-140	1		50
Di-n-butylphthalate	84		83		40-140	1		50
Di-n-octylphthalate	93		92		40-140	1		50
Diethyl phthalate	87		88		40-140	1		50
Dimethyl phthalate	87		85		40-140	2		50
Benzo(a)anthracene	83		83		40-140	0		50
Benzo(a)pyrene	87		87		40-140	0		50
Benzo(b)fluoranthene	90		88		40-140	2		50
Benzo(k)fluoranthene	93		94		40-140	1		50
Chrysene	84		86		40-140	2		50
Acenaphthylene	90		89		40-140	1		50
Anthracene	82		80		40-140	2		50
Benzo(ghi)perylene	87		85		40-140	2		50
Fluorene	88		87		40-140	1		50
Phenanthrene	81		78		40-140	4		50
Dibenzo(a,h)anthracene	85		85		40-140	0		50
Indeno(1,2,3-cd)pyrene	86		86		40-140	0		50
Pyrene	80		78		35-142	3		50
Biphenyl	90		87		37-127	3		50
4-Chloroaniline	72		75		40-140	42		50
2-Nitroaniline	96		97		47-134	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1302765-2 WG1302765-3								
3-Nitroaniline	73		71		26-129	3		50
4-Nitroaniline	85		84		41-125	1		50
Dibenzofuran	86		85		40-140	1		50
2-Methylnaphthalene	88		86		40-140	2		50
1,2,4,5-Tetrachlorobenzene	87		85		40-117	2		50
Acetophenone	84		78		14-144	7		50
2,4,6-Trichlorophenol	93		92		30-130	1		50
p-Chloro-m-cresol	97		93		26-103	4		50
2-Chlorophenol	89		81		25-102	9		50
2,4-Dichlorophenol	97		91		30-130	6		50
2,4-Dimethylphenol	98		90		30-130	9		50
2-Nitrophenol	92		85		30-130	8		50
4-Nitrophenol	90		89		11-114	1		50
2,4-Dinitrophenol	62		58		4-130	7		50
4,6-Dinitro-o-cresol	80		78		10-130	3		50
Pentachlorophenol	65		65		17-109	0		50
Phenol	88		84		26-90	5		50
2-Methylphenol	92		87		30-130.	6		50
3-Methylphenol/4-Methylphenol	94		86		30-130	9		50
2,4,5-Trichlorophenol	94		92		30-130	2		50
Benzoic Acid	15		12		10-110	22		50
Benzyl Alcohol	94		86		40-140	9		50
Carbazole	83		82		54-128	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1302765-2 WG1302765-3								
1,4-Dioxane	47		42		40-140	11		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	87		83		25-120
Phenol-d6	91		86		10-120
Nitrobenzene-d5	66		61		23-120
2-Fluorobiphenyl	70		68		30-120
2,4,6-Tribromophenol	99		98		10-136
4-Terphenyl-d14	67		67		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1303105-2 WG1303105-3								
Acenaphthene	80		86		31-137	7		50
1,2,4-Trichlorobenzene	77		82		38-107	6		50
Hexachlorobenzene	92		97		40-140	5		50
Bis(2-chloroethyl)ether	68		71		40-140	4		50
2-Chloronaphthalene	84		88		40-140	5		50
1,2-Dichlorobenzene	74		79		40-140	7		50
1,3-Dichlorobenzene	72		79		40-140	9		50
1,4-Dichlorobenzene	72		76		28-104	5		50
3,3'-Dichlorobenzidine	60		66		40-140	10		50
2,4-Dinitrotoluene	90		93		40-132	3		50
2,6-Dinitrotoluene	92		95		40-140	3		50
Fluoranthene	82		89		40-140	8		50
4-Chlorophenyl phenyl ether	80		88		40-140	10		50
4-Bromophenyl phenyl ether	88		93		40-140	6		50
Bis(2-chloroisopropyl)ether	48		51		40-140	6		50
Bis(2-chloroethoxy)methane	66		71		40-117	7		50
Hexachlorobutadiene	79		85		40-140	7		50
Hexachlorocyclopentadiene	80		82		40-140	2		50
Hexachloroethane	70		74		40-140	6		50
Isophorone	70		72		40-140	3		50
Naphthalene	76		84		40-140	10		50
Nitrobenzene	71		75		40-140	5		50
NDPA/DPA	86		91		36-157	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1303105-2 WG1303105-3								
n-Nitrosodi-n-propylamine	67		72		32-121	7		50
Bis(2-ethylhexyl)phthalate	93		94		40-140	1		50
Butyl benzyl phthalate	84		88		40-140	5		50
Di-n-butylphthalate	84		88		40-140	5		50
Di-n-octylphthalate	94		96		40-140	2		50
Diethyl phthalate	84		88		40-140	5		50
Dimethyl phthalate	84		88		40-140	5		50
Benzo(a)anthracene	86		89		40-140	3		50
Benzo(a)pyrene	90		97		40-140	7		50
Benzo(b)fluoranthene	92		102		40-140	10		50
Benzo(k)fluoranthene	93		98		40-140	5		50
Chrysene	88		91		40-140	3		50
Acenaphthylene	88		90		40-140	2		50
Anthracene	82		88		40-140	7		50
Benzo(ghi)perylene	88		94		40-140	7		50
Fluorene	85		91		40-140	7		50
Phenanthrene	81		84		40-140	4		50
Dibenzo(a,h)anthracene	86		92		40-140	7		50
Indeno(1,2,3-cd)pyrene	87		95		40-140	9		50
Pyrene	80		85		35-142	6		50
Biphenyl	86		89		37-127	3		50
4-Chloroaniline	62		62		40-140	0		50
2-Nitroaniline	90		95		47-134	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1303105-2 WG1303105-3								
3-Nitroaniline	68		75		26-129	10		50
4-Nitroaniline	80		84		41-125	5		50
Dibenzofuran	82		89		40-140	8		50
2-Methylnaphthalene	84		89		40-140	6		50
1,2,4,5-Tetrachlorobenzene	83		86		40-117	4		50
Acetophenone	72		77		14-144	7		50
2,4,6-Trichlorophenol	92		95		30-130	3		50
p-Chloro-m-cresol	92		95		26-103	3		50
2-Chlorophenol	80		85		25-102	6		50
2,4-Dichlorophenol	86		92		30-130	7		50
2,4-Dimethylphenol	85		88		30-130	3		50
2-Nitrophenol	79		84		30-130	6		50
4-Nitrophenol	84		87		11-114	4		50
2,4-Dinitrophenol	35		37		4-130	6		50
4,6-Dinitro-o-cresol	76		83		10-130	9		50
Pentachlorophenol	74		75		17-109	1		50
Phenol	77		82		26-90	6		50
2-Methylphenol	83		86		30-130.	4		50
3-Methylphenol/4-Methylphenol	86		93		30-130	8		50
2,4,5-Trichlorophenol	92		96		30-130	4		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	79		83		40-140	5		50
Carbazole	84		89		54-128	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1303105-2 WG1303105-3								
1,4-Dioxane	43		48		40-140	11		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		83		25-120
Phenol-d6	78		83		10-120
Nitrobenzene-d5	56		59		23-120
2-Fluorobiphenyl	66		68		30-120
2,4,6-Tribromophenol	101		105		10-136
4-Terphenyl-d14	67		72		18-120

PCBS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/31/19 08:31
Analyst: KB
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 01:48
Cleanup Method: EPA 3665A
Cleanup Date: 10/31/19
Cleanup Method: EPA 3660B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.9	3.63	1	A
Aroclor 1221	ND		ug/kg	40.9	4.10	1	A
Aroclor 1232	ND		ug/kg	40.9	8.67	1	A
Aroclor 1242	ND		ug/kg	40.9	5.51	1	A
Aroclor 1248	ND		ug/kg	40.9	6.14	1	A
Aroclor 1254	ND		ug/kg	40.9	4.48	1	A
Aroclor 1260	ND		ug/kg	40.9	7.56	1	A
Aroclor 1262	ND		ug/kg	40.9	5.20	1	A
Aroclor 1268	ND		ug/kg	40.9	4.24	1	A
PCBs, Total	ND		ug/kg	40.9	3.63	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/31/19 08:43
Analyst: KB
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 01:48
Cleanup Method: EPA 3665A
Cleanup Date: 10/31/19
Cleanup Method: EPA 3660B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.9	3.18	1	A
Aroclor 1221	ND		ug/kg	35.9	3.59	1	A
Aroclor 1232	ND		ug/kg	35.9	7.60	1	A
Aroclor 1242	ND		ug/kg	35.9	4.84	1	A
Aroclor 1248	ND		ug/kg	35.9	5.38	1	A
Aroclor 1254	ND		ug/kg	35.9	3.92	1	A
Aroclor 1260	ND		ug/kg	35.9	6.63	1	A
Aroclor 1262	ND		ug/kg	35.9	4.56	1	A
Aroclor 1268	ND		ug/kg	35.9	3.72	1	A
PCBs, Total	ND		ug/kg	35.9	3.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/31/19 08:54
Analyst: KB
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 01:48
Cleanup Method: EPA 3665A
Cleanup Date: 10/31/19
Cleanup Method: EPA 3660B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.5	3.24	1	A
Aroclor 1221	ND		ug/kg	36.5	3.65	1	A
Aroclor 1232	ND		ug/kg	36.5	7.73	1	A
Aroclor 1242	ND		ug/kg	36.5	4.92	1	A
Aroclor 1248	ND		ug/kg	36.5	5.47	1	A
Aroclor 1254	ND		ug/kg	36.5	3.99	1	A
Aroclor 1260	ND		ug/kg	36.5	6.74	1	A
Aroclor 1262	ND		ug/kg	36.5	4.63	1	A
Aroclor 1268	ND		ug/kg	36.5	3.78	1	A
PCBs, Total	ND		ug/kg	36.5	3.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/31/19 09:06
Analyst: KB
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 10/31/19
Cleanup Method: EPA 3660B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	3.36	1	A
Aroclor 1221	ND		ug/kg	37.8	3.79	1	A
Aroclor 1232	ND		ug/kg	37.8	8.02	1	A
Aroclor 1242	ND		ug/kg	37.8	5.10	1	A
Aroclor 1248	ND		ug/kg	37.8	5.67	1	A
Aroclor 1254	ND		ug/kg	37.8	4.14	1	A
Aroclor 1260	ND		ug/kg	37.8	6.99	1	A
Aroclor 1262	ND		ug/kg	37.8	4.80	1	A
Aroclor 1268	ND		ug/kg	37.8	3.92	1	A
PCBs, Total	ND		ug/kg	37.8	3.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/31/19 09:18
Analyst: KB
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 10/31/19
Cleanup Method: EPA 3660B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.2	3.22	1	A
Aroclor 1221	ND		ug/kg	36.2	3.63	1	A
Aroclor 1232	ND		ug/kg	36.2	7.68	1	A
Aroclor 1242	ND		ug/kg	36.2	4.89	1	A
Aroclor 1248	ND		ug/kg	36.2	5.44	1	A
Aroclor 1254	ND		ug/kg	36.2	3.97	1	A
Aroclor 1260	ND		ug/kg	36.2	6.70	1	A
Aroclor 1262	ND		ug/kg	36.2	4.60	1	A
Aroclor 1268	ND		ug/kg	36.2	3.76	1	A
PCBs, Total	ND		ug/kg	36.2	3.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/31/19 09:30
Analyst: KB
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 10/31/19
Cleanup Method: EPA 3660B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.2	3.04	1	A
Aroclor 1221	ND		ug/kg	34.2	3.43	1	A
Aroclor 1232	ND		ug/kg	34.2	7.26	1	A
Aroclor 1242	ND		ug/kg	34.2	4.62	1	A
Aroclor 1248	ND		ug/kg	34.2	5.14	1	A
Aroclor 1254	ND		ug/kg	34.2	3.75	1	A
Aroclor 1260	111		ug/kg	34.2	6.33	1	B
Aroclor 1262	ND		ug/kg	34.2	4.35	1	A
Aroclor 1268	ND		ug/kg	34.2	3.55	1	A
PCBs, Total	111		ug/kg	34.2	3.04	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-07
Client ID: WC-B2 (0'-5') COMP
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:45
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/31/19 09:42
Analyst: KB
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 10/31/19
Cleanup Method: EPA 3660B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	3.33	1	A
Aroclor 1221	ND		ug/kg	37.5	3.76	1	A
Aroclor 1232	ND		ug/kg	37.5	7.94	1	A
Aroclor 1242	ND		ug/kg	37.5	5.05	1	A
Aroclor 1248	ND		ug/kg	37.5	5.62	1	A
Aroclor 1254	ND		ug/kg	37.5	4.10	1	A
Aroclor 1260	ND		ug/kg	37.5	6.92	1	A
Aroclor 1262	ND		ug/kg	37.5	4.76	1	A
Aroclor 1268	ND		ug/kg	37.5	3.88	1	A
PCBs, Total	ND		ug/kg	37.5	3.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-09
Client ID: WC-B2-(5'-10')-COMP
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/31/19 09:53
Analyst: KB
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 10/31/19
Cleanup Method: EPA 3660B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.0	3.02	1	A
Aroclor 1221	ND		ug/kg	34.0	3.41	1	A
Aroclor 1232	ND		ug/kg	34.0	7.22	1	A
Aroclor 1242	ND		ug/kg	34.0	4.59	1	A
Aroclor 1248	ND		ug/kg	34.0	5.11	1	A
Aroclor 1254	ND		ug/kg	34.0	3.72	1	A
Aroclor 1260	ND		ug/kg	34.0	6.29	1	A
Aroclor 1262	ND		ug/kg	34.0	4.32	1	A
Aroclor 1268	ND		ug/kg	34.0	3.53	1	A
PCBs, Total	ND		ug/kg	34.0	3.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/31/19 07:55
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 10/30/19 22:27
Cleanup Method: EPA 3665A
Cleanup Date: 10/31/19
Cleanup Method: EPA 3660B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-07,09 Batch: WG1302705-1						
Aroclor 1016	ND		ug/kg	32.4	2.88	A
Aroclor 1221	ND		ug/kg	32.4	3.25	A
Aroclor 1232	ND		ug/kg	32.4	6.87	A
Aroclor 1242	ND		ug/kg	32.4	4.37	A
Aroclor 1248	ND		ug/kg	32.4	4.86	A
Aroclor 1254	ND		ug/kg	32.4	3.55	A
Aroclor 1260	ND		ug/kg	32.4	5.99	A
Aroclor 1262	ND		ug/kg	32.4	4.12	A
Aroclor 1268	ND		ug/kg	32.4	3.36	A
PCBs, Total	ND		ug/kg	32.4	2.88	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	67		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07,09 Batch: WG1302705-2 WG1302705-3									
Aroclor 1016	83		89		40-140	7		50	A
Aroclor 1260	89		92		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		68		30-150	A
Decachlorobiphenyl	62		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		64		30-150	B
Decachlorobiphenyl	68		68		30-150	B

PESTICIDES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/31/19 10:18
Analyst: BM
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.95	0.382	1	A
Lindane	ND		ug/kg	0.813	0.364	1	A
Alpha-BHC	ND		ug/kg	0.813	0.231	1	A
Beta-BHC	ND		ug/kg	1.95	0.740	1	A
Heptachlor	ND		ug/kg	0.976	0.438	1	A
Aldrin	ND		ug/kg	1.95	0.687	1	A
Heptachlor epoxide	ND		ug/kg	3.66	1.10	1	A
Endrin	ND		ug/kg	0.813	0.334	1	A
Endrin aldehyde	ND		ug/kg	2.44	0.854	1	A
Endrin ketone	ND		ug/kg	1.95	0.503	1	A
Dieldrin	ND		ug/kg	1.22	0.610	1	A
4,4'-DDE	ND		ug/kg	1.95	0.451	1	A
4,4'-DDD	ND		ug/kg	1.95	0.696	1	A
4,4'-DDT	ND		ug/kg	3.66	1.57	1	A
Endosulfan I	ND		ug/kg	1.95	0.461	1	A
Endosulfan II	ND		ug/kg	1.95	0.652	1	A
Endosulfan sulfate	ND		ug/kg	0.813	0.387	1	A
Methoxychlor	ND		ug/kg	3.66	1.14	1	A
Toxaphene	ND		ug/kg	36.6	10.2	1	A
cis-Chlordane	ND		ug/kg	2.44	0.680	1	A
trans-Chlordane	ND		ug/kg	2.44	0.644	1	A
Chlordane	ND		ug/kg	15.9	6.47	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	71		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	65		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/31/19 10:31
Analyst: BM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.341	1	A
Lindane	ND		ug/kg	0.725	0.324	1	A
Alpha-BHC	ND		ug/kg	0.725	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.660	1	A
Heptachlor	ND		ug/kg	0.870	0.390	1	A
Aldrin	ND		ug/kg	1.74	0.612	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.978	1	A
Endrin	ND		ug/kg	0.725	0.297	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.761	1	A
Endrin ketone	ND		ug/kg	1.74	0.448	1	A
Dieldrin	ND		ug/kg	1.09	0.544	1	A
4,4'-DDE	ND		ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.620	1	A
4,4'-DDT	ND		ug/kg	3.26	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.411	1	A
Endosulfan II	ND		ug/kg	1.74	0.581	1	A
Endosulfan sulfate	ND		ug/kg	0.725	0.345	1	A
Methoxychlor	ND		ug/kg	3.26	1.01	1	A
Toxaphene	ND		ug/kg	32.6	9.13	1	A
cis-Chlordane	ND		ug/kg	2.17	0.606	1	A
trans-Chlordane	ND		ug/kg	2.17	0.574	1	A
Chlordane	ND		ug/kg	14.1	5.76	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	70		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/31/19 10:44
Analyst: BM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.340	1	A
Lindane	ND		ug/kg	0.725	0.324	1	A
Alpha-BHC	ND		ug/kg	0.725	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.659	1	A
Heptachlor	ND		ug/kg	0.870	0.390	1	A
Aldrin	ND		ug/kg	1.74	0.612	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.978	1	A
Endrin	ND		ug/kg	0.725	0.297	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.761	1	A
Endrin ketone	ND		ug/kg	1.74	0.448	1	A
Dieldrin	ND		ug/kg	1.09	0.543	1	A
4,4'-DDE	ND		ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.620	1	A
4,4'-DDT	ND		ug/kg	3.26	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.411	1	A
Endosulfan II	ND		ug/kg	1.74	0.581	1	A
Endosulfan sulfate	ND		ug/kg	0.725	0.345	1	A
Methoxychlor	ND		ug/kg	3.26	1.01	1	A
Toxaphene	ND		ug/kg	32.6	9.13	1	A
cis-Chlordane	ND		ug/kg	2.17	0.606	1	A
trans-Chlordane	ND		ug/kg	2.17	0.574	1	A
Chlordane	ND		ug/kg	14.1	5.76	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	71		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/31/19 10:57
Analyst: BM
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.343	1	A
Lindane	ND		ug/kg	0.731	0.327	1	A
Alpha-BHC	ND		ug/kg	0.731	0.208	1	A
Beta-BHC	ND		ug/kg	1.75	0.665	1	A
Heptachlor	ND		ug/kg	0.877	0.393	1	A
Aldrin	ND		ug/kg	1.75	0.617	1	A
Heptachlor epoxide	ND		ug/kg	3.29	0.986	1	A
Endrin	ND		ug/kg	0.731	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.19	0.767	1	A
Endrin ketone	ND		ug/kg	1.75	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.548	1	A
4,4'-DDE	ND		ug/kg	1.75	0.406	1	A
4,4'-DDD	ND		ug/kg	1.75	0.625	1	A
4,4'-DDT	ND		ug/kg	3.29	1.41	1	A
Endosulfan I	ND		ug/kg	1.75	0.414	1	A
Endosulfan II	ND		ug/kg	1.75	0.586	1	A
Endosulfan sulfate	ND		ug/kg	0.731	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.21	1	A
cis-Chlordane	ND		ug/kg	2.19	0.611	1	A
trans-Chlordane	ND		ug/kg	2.19	0.579	1	A
Chlordane	ND		ug/kg	14.2	5.81	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	76		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/31/19 11:10
Analyst: BM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.334	1	A
Lindane	ND		ug/kg	0.711	0.318	1	A
Alpha-BHC	ND		ug/kg	0.711	0.202	1	A
Beta-BHC	ND		ug/kg	1.70	0.647	1	A
Heptachlor	ND		ug/kg	0.853	0.382	1	A
Aldrin	ND		ug/kg	1.70	0.600	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.960	1	A
Endrin	ND		ug/kg	0.711	0.291	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.746	1	A
Endrin ketone	ND		ug/kg	1.70	0.439	1	A
Dieldrin	ND		ug/kg	1.07	0.533	1	A
4,4'-DDE	ND		ug/kg	1.70	0.394	1	A
4,4'-DDD	ND		ug/kg	1.70	0.608	1	A
4,4'-DDT	ND		ug/kg	3.20	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.403	1	A
Endosulfan II	ND		ug/kg	1.70	0.570	1	A
Endosulfan sulfate	ND		ug/kg	0.711	0.338	1	A
Methoxychlor	ND		ug/kg	3.20	0.995	1	A
Toxaphene	ND		ug/kg	32.0	8.96	1	A
cis-Chlordane	ND		ug/kg	2.13	0.594	1	A
trans-Chlordane	ND		ug/kg	2.13	0.563	1	A
Chlordane	ND		ug/kg	13.8	5.65	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	73		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	67		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/31/19 13:21
Analyst: BM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.332	1	A
Lindane	ND		ug/kg	0.706	0.316	1	A
Alpha-BHC	ND		ug/kg	0.706	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.643	1	A
Heptachlor	ND		ug/kg	0.847	0.380	1	A
Aldrin	ND		ug/kg	1.69	0.597	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.953	1	A
Endrin	ND		ug/kg	0.706	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.741	1	A
Endrin ketone	ND		ug/kg	1.69	0.436	1	A
Dieldrin	ND		ug/kg	1.06	0.530	1	A
4,4'-DDE	ND		ug/kg	1.69	0.392	1	A
4,4'-DDD	ND		ug/kg	1.69	0.604	1	A
4,4'-DDT	ND		ug/kg	3.18	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.400	1	A
Endosulfan II	ND		ug/kg	1.69	0.566	1	A
Endosulfan sulfate	ND		ug/kg	0.706	0.336	1	A
Methoxychlor	ND		ug/kg	3.18	0.989	1	A
Toxaphene	ND		ug/kg	31.8	8.90	1	A
cis-Chlordane	ND		ug/kg	2.12	0.590	1	A
trans-Chlordane	ND		ug/kg	2.12	0.559	1	A
Chlordane	ND		ug/kg	13.8	5.61	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	51		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	66		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-07
Client ID: WC-B2 (0'-5') COMP
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:45
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/31/19 12:23
Analyst: BM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.350	1	A
Lindane	ND		ug/kg	0.746	0.333	1	A
Alpha-BHC	ND		ug/kg	0.746	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.678	1	A
Heptachlor	ND		ug/kg	0.895	0.401	1	A
Aldrin	ND		ug/kg	1.79	0.630	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.746	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.783	1	A
Endrin ketone	ND		ug/kg	1.79	0.461	1	A
Dieldrin	ND		ug/kg	1.12	0.559	1	A
4,4'-DDE	ND		ug/kg	1.79	0.414	1	A
4,4'-DDD	ND		ug/kg	1.79	0.638	1	A
4,4'-DDT	ND		ug/kg	3.36	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.423	1	A
Endosulfan II	ND		ug/kg	1.79	0.598	1	A
Endosulfan sulfate	ND		ug/kg	0.746	0.355	1	A
Methoxychlor	ND		ug/kg	3.36	1.04	1	A
Toxaphene	ND		ug/kg	33.6	9.40	1	A
cis-Chlordane	ND		ug/kg	2.24	0.623	1	A
trans-Chlordane	ND		ug/kg	2.24	0.590	1	A
Chlordane	ND		ug/kg	14.5	5.93	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-07
Client ID: WC-B2 (0'-5') COMP
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:45
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	70		30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	63		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-09
Client ID: WC-B2-(5'-10')-COMP
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/31/19 12:36
Analyst: BM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.716	0.320	1	A
Alpha-BHC	ND		ug/kg	0.716	0.203	1	A
Beta-BHC	ND		ug/kg	1.72	0.652	1	A
Heptachlor	ND		ug/kg	0.859	0.385	1	A
Aldrin	ND		ug/kg	1.72	0.605	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.967	1	A
Endrin	ND		ug/kg	0.716	0.294	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.752	1	A
Endrin ketone	ND		ug/kg	1.72	0.443	1	A
Dieldrin	ND		ug/kg	1.07	0.537	1	A
4,4'-DDE	ND		ug/kg	1.72	0.397	1	A
4,4'-DDD	ND		ug/kg	1.72	0.613	1	A
4,4'-DDT	ND		ug/kg	3.22	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.406	1	A
Endosulfan II	ND		ug/kg	1.72	0.574	1	A
Endosulfan sulfate	ND		ug/kg	0.716	0.341	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
Toxaphene	ND		ug/kg	32.2	9.02	1	A
cis-Chlordane	ND		ug/kg	2.15	0.599	1	A
trans-Chlordane	ND		ug/kg	2.15	0.567	1	A
Chlordane	ND		ug/kg	14.0	5.69	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-09
Client ID: WC-B2-(5'-10')-COMP
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	72		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/31/19 09:40
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07,09 Batch: WG1302782-1						
Delta-BHC	ND		ug/kg	1.58	0.309	A
Lindane	ND		ug/kg	0.658	0.294	A
Alpha-BHC	ND		ug/kg	0.658	0.187	A
Beta-BHC	ND		ug/kg	1.58	0.599	A
Heptachlor	ND		ug/kg	0.790	0.354	A
Aldrin	ND		ug/kg	1.58	0.556	A
Heptachlor epoxide	ND		ug/kg	2.96	0.889	A
Endrin	ND		ug/kg	0.658	0.270	A
Endrin aldehyde	ND		ug/kg	1.97	0.691	A
Endrin ketone	ND		ug/kg	1.58	0.407	A
Dieldrin	ND		ug/kg	0.987	0.494	A
4,4'-DDE	ND		ug/kg	1.58	0.365	A
4,4'-DDD	ND		ug/kg	1.58	0.564	A
4,4'-DDT	ND		ug/kg	2.96	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.373	A
Endosulfan II	ND		ug/kg	1.58	0.528	A
Endosulfan sulfate	ND		ug/kg	0.658	0.313	A
Methoxychlor	ND		ug/kg	2.96	0.922	A
Toxaphene	ND		ug/kg	29.6	8.29	A
cis-Chlordane	ND		ug/kg	1.97	0.550	A
trans-Chlordane	ND		ug/kg	1.97	0.521	A
Chlordane	ND		ug/kg	12.8	5.23	A

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/31/19 09:40
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07,09 Batch: WG1302782-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	79		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	70		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07,09 Batch: WG1302782-2 WG1302782-3									
Delta-BHC	100		92		30-150	8		30	A
Lindane	101		89		30-150	13		30	A
Alpha-BHC	105		94		30-150	11		30	A
Beta-BHC	90		80		30-150	12		30	A
Heptachlor	101		88		30-150	14		30	A
Aldrin	104		93		30-150	11		30	A
Heptachlor epoxide	106		93		30-150	13		30	A
Endrin	102		91		30-150	11		30	A
Endrin aldehyde	76		74		30-150	3		30	A
Endrin ketone	89		86		30-150	3		30	A
Dieldrin	108		98		30-150	10		30	A
4,4'-DDE	106		96		30-150	10		30	A
4,4'-DDD	104		93		30-150	11		30	A
4,4'-DDT	105		92		30-150	13		30	A
Endosulfan I	97		87		30-150	11		30	A
Endosulfan II	99		89		30-150	11		30	A
Endosulfan sulfate	76		74		30-150	3		30	A
Methoxychlor	92		82		30-150	11		30	A
cis-Chlordane	89		82		30-150	8		30	A
trans-Chlordane	72		64		30-150	12		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07,09 Batch: WG1302782-2 WG1302782-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		76		30-150	B
Decachlorobiphenyl	87		83		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		79		30-150	A
Decachlorobiphenyl	79		73		30-150	A

METALS

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12400		mg/kg	9.84	2.66	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.92	0.374	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.984	0.205	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Barium, Total	58.0		mg/kg	0.984	0.171	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Beryllium, Total	0.344	J	mg/kg	0.492	0.033	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Cadmium, Total	0.266	J	mg/kg	0.984	0.096	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Calcium, Total	1040		mg/kg	9.84	3.44	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Chromium, Total	126		mg/kg	0.984	0.095	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Cobalt, Total	13.4		mg/kg	1.97	0.163	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Copper, Total	118		mg/kg	0.984	0.254	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Iron, Total	29100		mg/kg	4.92	0.889	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Lead, Total	6.72		mg/kg	4.92	0.264	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Magnesium, Total	6100		mg/kg	9.84	1.52	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Manganese, Total	213		mg/kg	0.984	0.156	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Mercury, Total	0.053	J	mg/kg	0.080	0.052	1	10/31/19 07:30	10/31/19 10:50	EPA 7471B	1,7471B	GD
Nickel, Total	136		mg/kg	2.46	0.238	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Potassium, Total	1990		mg/kg	246	14.2	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.97	0.254	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.984	0.278	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Sodium, Total	3550		mg/kg	197	3.10	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.97	0.310	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Vanadium, Total	41.8		mg/kg	0.984	0.200	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Zinc, Total	31.2		mg/kg	4.92	0.288	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17000		mg/kg	8.73	2.36	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.37	0.332	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.873	0.182	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Barium, Total	254		mg/kg	0.873	0.152	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.437	0.029	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Cadmium, Total	0.332	J	mg/kg	0.873	0.086	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Calcium, Total	913		mg/kg	8.73	3.06	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Chromium, Total	64.8		mg/kg	0.873	0.084	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Cobalt, Total	13.5		mg/kg	1.75	0.145	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Copper, Total	63.8		mg/kg	0.873	0.225	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Iron, Total	31200		mg/kg	4.37	0.788	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Lead, Total	6.18		mg/kg	4.37	0.234	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Magnesium, Total	6790		mg/kg	8.73	1.34	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Manganese, Total	315		mg/kg	0.873	0.139	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Mercury, Total	0.208		mg/kg	0.071	0.046	1	10/31/19 07:30	10/31/19 11:03	EPA 7471B	1,7471B	GD
Nickel, Total	160		mg/kg	2.18	0.211	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Potassium, Total	11500		mg/kg	218	12.6	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.75	0.225	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.873	0.247	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Sodium, Total	966		mg/kg	175	2.75	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.75	0.275	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Vanadium, Total	66.5		mg/kg	0.873	0.177	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Zinc, Total	77.6		mg/kg	4.37	0.256	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12000		mg/kg	8.73	2.36	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.36	0.332	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Arsenic, Total	0.192	J	mg/kg	0.873	0.182	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Barium, Total	85.2		mg/kg	0.873	0.152	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.436	0.029	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Cadmium, Total	0.358	J	mg/kg	0.873	0.086	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Calcium, Total	473		mg/kg	8.73	3.06	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Chromium, Total	22.8		mg/kg	0.873	0.084	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Cobalt, Total	10.7		mg/kg	1.74	0.145	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Copper, Total	172		mg/kg	0.873	0.225	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Iron, Total	17600		mg/kg	4.36	0.788	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Lead, Total	6.26		mg/kg	4.36	0.234	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Magnesium, Total	3000		mg/kg	8.73	1.34	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Manganese, Total	376		mg/kg	0.873	0.139	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.071	0.046	1	10/31/19 07:30	10/31/19 11:06	EPA 7471B	1,7471B	GD
Nickel, Total	249		mg/kg	2.18	0.211	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Potassium, Total	3410		mg/kg	218	12.6	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.74	0.225	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.873	0.247	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Sodium, Total	235		mg/kg	174	2.75	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.74	0.275	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Vanadium, Total	29.7		mg/kg	0.873	0.177	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Zinc, Total	50.2		mg/kg	4.36	0.256	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12200		mg/kg	8.96	2.42	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.48	0.340	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.896	0.186	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Barium, Total	109		mg/kg	0.896	0.156	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.448	0.030	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Cadmium, Total	0.296	J	mg/kg	0.896	0.088	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Calcium, Total	773		mg/kg	8.96	3.14	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Chromium, Total	78.0		mg/kg	0.896	0.086	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Cobalt, Total	12.8		mg/kg	1.79	0.149	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Copper, Total	121		mg/kg	0.896	0.231	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Iron, Total	21600		mg/kg	4.48	0.809	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Lead, Total	4.25	J	mg/kg	4.48	0.240	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Magnesium, Total	5410		mg/kg	8.96	1.38	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Manganese, Total	405		mg/kg	0.896	0.142	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.073	0.048	1	10/31/19 07:30	10/31/19 11:09	EPA 7471B	1,7471B	GD
Nickel, Total	233		mg/kg	2.24	0.217	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Potassium, Total	5110		mg/kg	224	12.9	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Selenium, Total	0.269	J	mg/kg	1.79	0.231	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.896	0.254	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Sodium, Total	631		mg/kg	179	2.82	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.79	0.282	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Vanadium, Total	34.6		mg/kg	0.896	0.182	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Zinc, Total	64.6		mg/kg	4.48	0.262	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8360		mg/kg	8.72	2.36	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.36	0.331	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Arsenic, Total	3.43		mg/kg	0.872	0.181	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Barium, Total	117		mg/kg	0.872	0.152	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Beryllium, Total	0.096	J	mg/kg	0.436	0.029	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Cadmium, Total	1.13		mg/kg	0.872	0.086	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Calcium, Total	2640		mg/kg	8.72	3.05	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Chromium, Total	72.8		mg/kg	0.872	0.084	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Cobalt, Total	13.2		mg/kg	1.74	0.145	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Copper, Total	384		mg/kg	0.872	0.225	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Iron, Total	14100		mg/kg	4.36	0.788	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Lead, Total	102		mg/kg	4.36	0.234	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Magnesium, Total	2350		mg/kg	8.72	1.34	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Manganese, Total	276		mg/kg	0.872	0.139	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Mercury, Total	0.555		mg/kg	0.070	0.046	1	10/31/19 07:30	10/31/19 11:19	EPA 7471B	1,7471B	GD
Nickel, Total	1600		mg/kg	2.18	0.211	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Potassium, Total	1630		mg/kg	218	12.6	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Selenium, Total	0.384	J	mg/kg	1.74	0.225	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.872	0.247	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Sodium, Total	175		mg/kg	174	2.75	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.74	0.275	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Vanadium, Total	27.3		mg/kg	0.872	0.177	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Zinc, Total	182		mg/kg	4.36	0.256	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	21800		mg/kg	8.49	2.29	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.24	0.323	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.849	0.177	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Barium, Total	162		mg/kg	0.849	0.148	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.424	0.028	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Cadmium, Total	0.577	J	mg/kg	0.849	0.083	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Calcium, Total	578		mg/kg	8.49	2.97	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Chromium, Total	84.2		mg/kg	0.849	0.082	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Cobalt, Total	18.2		mg/kg	1.70	0.141	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Copper, Total	396		mg/kg	0.849	0.219	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Iron, Total	37700		mg/kg	4.24	0.767	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Lead, Total	24.4		mg/kg	4.24	0.228	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Magnesium, Total	9780		mg/kg	8.49	1.31	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Manganese, Total	287		mg/kg	0.849	0.135	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.070	0.045	1	10/31/19 07:30	10/31/19 11:23	EPA 7471B	1,7471B	GD
Nickel, Total	377		mg/kg	2.12	0.205	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Potassium, Total	13400		mg/kg	212	12.2	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.70	0.219	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.849	0.240	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Sodium, Total	342		mg/kg	170	2.67	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.70	0.267	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Vanadium, Total	70.4		mg/kg	0.849	0.172	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Zinc, Total	160		mg/kg	4.24	0.249	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-07
Client ID: WC-B2 (0'-5') COMP
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:45
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	20100		mg/kg	8.79	2.37	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.39	0.334	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.879	0.183	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Barium, Total	149		mg/kg	0.879	0.153	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.439	0.029	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Cadmium, Total	0.466	J	mg/kg	0.879	0.086	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Calcium, Total	1040		mg/kg	8.79	3.08	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Chromium, Total	67.8		mg/kg	0.879	0.084	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Cobalt, Total	19.0		mg/kg	1.76	0.146	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Copper, Total	174		mg/kg	0.879	0.227	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Iron, Total	28300		mg/kg	4.39	0.794	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Lead, Total	21.3		mg/kg	4.39	0.236	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Magnesium, Total	9750		mg/kg	8.79	1.35	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Manganese, Total	399		mg/kg	0.879	0.140	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Mercury, Total	0.092		mg/kg	0.072	0.047	1	10/31/19 07:30	10/31/19 11:36	EPA 7471B	1,7471B	GD
Nickel, Total	331		mg/kg	2.20	0.213	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Potassium, Total	6010		mg/kg	220	12.6	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.76	0.227	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.879	0.249	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Sodium, Total	1610		mg/kg	176	2.77	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.76	0.277	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Vanadium, Total	48.1		mg/kg	0.879	0.178	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Zinc, Total	103		mg/kg	4.39	0.257	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-09
Client ID: WC-B2-(5'-10')-COMP
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17600		mg/kg	8.25	2.23	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.12	0.314	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Arsenic, Total	ND		mg/kg	2.06	0.429	5	10/31/19 07:00	11/03/19 09:53	EPA 3050B	1,6010D	PE
Barium, Total	211		mg/kg	0.825	0.144	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.412	0.027	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Cadmium, Total	0.264	J	mg/kg	0.825	0.081	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Calcium, Total	625		mg/kg	8.25	2.89	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Chromium, Total	69.7		mg/kg	0.825	0.079	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Cobalt, Total	15.7		mg/kg	1.65	0.137	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Copper, Total	81.5		mg/kg	0.825	0.213	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Iron, Total	28700		mg/kg	4.12	0.745	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Lead, Total	5.27		mg/kg	4.12	0.221	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Magnesium, Total	8750		mg/kg	8.25	1.27	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Manganese, Total	387		mg/kg	0.825	0.131	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.068	0.044	1	10/31/19 07:30	10/31/19 11:39	EPA 7471B	1,7471B	GD
Nickel, Total	139		mg/kg	2.06	0.200	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Potassium, Total	10700		mg/kg	206	11.9	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.65	0.213	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.825	0.233	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Sodium, Total	1170		mg/kg	165	2.60	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.65	0.260	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Vanadium, Total	49.1		mg/kg	0.825	0.167	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Zinc, Total	77.0		mg/kg	4.12	0.242	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07,09 Batch: WG1302826-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Iron, Total	0.444	J	mg/kg	2.00	0.361	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Manganese, Total	0.108	J	mg/kg	0.400	0.064	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Sodium, Total	2.41	J	mg/kg	80.0	1.26	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07,09 Batch: WG1302850-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/31/19 07:30	10/31/19 10:43	1,7471B	GD

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07,09 Batch: WG1302826-2 SRM Lot Number: D105-540								
Aluminum, Total	55		-		51-149	-		
Antimony, Total	148		-		19-249	-		
Arsenic, Total	103		-		70-130	-		
Barium, Total	82		-		75-125	-		
Beryllium, Total	84		-		75-125	-		
Cadmium, Total	92		-		75-125	-		
Calcium, Total	80		-		73-127	-		
Chromium, Total	86		-		70-130	-		
Cobalt, Total	92		-		75-125	-		
Copper, Total	87		-		75-125	-		
Iron, Total	74		-		38-162	-		
Lead, Total	95		-		71-128	-		
Magnesium, Total	74		-		63-137	-		
Manganese, Total	80		-		76-124	-		
Nickel, Total	92		-		70-131	-		
Potassium, Total	72		-		60-140	-		
Selenium, Total	98		-		63-137	-		
Silver, Total	90		-		69-131	-		
Sodium, Total	86		-		37-162	-		
Thallium, Total	91		-		68-132	-		
Vanadium, Total	86		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/04/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07,09 Batch: WG1302826-2 SRM Lot Number: D105-540					
Zinc, Total	95	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-07,09 Batch: WG1302850-2 SRM Lot Number: D105-540					
Mercury, Total	110	-	60-141	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07,09 QC Batch ID: WG1302826-3 QC Sample: L1951248-01 Client ID: B-19 (4'-5')												
Aluminum, Total	12400	198	14700	**1160**	Q	-	-		75-125	-		20
Antimony, Total	ND	49.5	41.8	84		-	-		75-125	-		20
Arsenic, Total	ND	11.9	12.2	103		-	-		75-125	-		20
Barium, Total	58.0	198	267	106		-	-		75-125	-		20
Beryllium, Total	0.344J	4.95	5.44	110		-	-		75-125	-		20
Cadmium, Total	0.266J	5.05	5.27	104		-	-		75-125	-		20
Calcium, Total	1040	989	1810	78		-	-		75-125	-		20
Chromium, Total	126	19.8	163	**187**	Q	-	-		75-125	-		20
Cobalt, Total	13.4	49.5	62.4	99		-	-		75-125	-		20
Copper, Total	118	24.7	135	**69**	Q	-	-		75-125	-		20
Iron, Total	29100	98.9	31500	**2420**	Q	-	-		75-125	-		20
Lead, Total	6.72	50.5	56.2	98		-	-		75-125	-		20
Magnesium, Total	6100	989	9040	**297**	Q	-	-		75-125	-		20
Manganese, Total	213	49.5	346	**269**	Q	-	-		75-125	-		20
Nickel, Total	136	49.5	211	**152**	Q	-	-		75-125	-		20
Potassium, Total	1990	989	3000	102		-	-		75-125	-		20
Selenium, Total	ND	11.9	11.4	96		-	-		75-125	-		20
Silver, Total	ND	29.7	30.4	102		-	-		75-125	-		20
Sodium, Total	3550	989	3590	**4**	Q	-	-		75-125	-		20
Thallium, Total	ND	11.9	9.23	78		-	-		75-125	-		20
Vanadium, Total	41.8	49.5	93.6	105		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07,09 QC Batch ID: WG1302826-3 QC Sample: L1951248-01 Client ID: B-19 (4'-5')										
Zinc, Total	31.2	49.5	87.1	113		-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-07,09 QC Batch ID: WG1302850-3 QC Sample: L1951248-01 Client ID: B-19 (4'-5')										
Mercury, Total	0.053J	0.164	0.211	**129**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07,09 QC Batch ID: WG1302826-4 QC Sample: L1951248-01 Client ID: B-19 (4'-5')						
Aluminum, Total	12400	12100	mg/kg	2		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	ND	0.736J	mg/kg	NC		20
Barium, Total	58.0	56.2	mg/kg	3		20
Beryllium, Total	0.344J	0.165J	mg/kg	NC		20
Cadmium, Total	0.266J	0.252J	mg/kg	NC		20
Calcium, Total	1040	659	mg/kg	**45**	Q	20
Chromium, Total	126	94.7	mg/kg	**28**	Q	20
Cobalt, Total	13.4	11.7	mg/kg	14		20
Copper, Total	118	108	mg/kg	9		20
Iron, Total	29100	24400	mg/kg	18		20
Lead, Total	6.72	9.94	mg/kg	**39**	Q	20
Magnesium, Total	6100	5400	mg/kg	12		20
Manganese, Total	213	201	mg/kg	6		20
Nickel, Total	136	110	mg/kg	**21**	Q	20
Potassium, Total	1990	1740	mg/kg	13		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	3550	2050	mg/kg	**54**	Q	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07,09 QC Batch ID: WG1302826-4 QC Sample: L1951248-01 Client ID: B-19 (4'-5')					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	41.8	39.1	mg/kg	7	20
Zinc, Total	31.2	34.9	mg/kg	11	20
Total Metals - Mansfield Lab Associated sample(s): 01-07,09 QC Batch ID: WG1302850-4 QC Sample: L1951248-01 Client ID: B-19 (4'-5')					
Mercury, Total	0.053J	ND	mg/kg	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.1		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA
Cyanide, Total	3.3		mg/kg	1.3	0.27	1	10/31/19 04:33	10/31/19 11:33	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.5		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA
Cyanide, Total	0.28	J	mg/kg	1.1	0.23	1	10/31/19 04:33	10/31/19 11:34	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.8		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA
Cyanide, Total	2.3		mg/kg	1.1	0.24	1	10/31/19 04:33	10/31/19 11:35	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA
Cyanide, Total	0.51	J	mg/kg	1.1	0.23	1	10/31/19 04:33	10/31/19 11:36	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.5		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA
Cyanide, Total	6.6		mg/kg	1.0	0.22	1	10/31/19 04:33	10/31/19 11:37	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA
Cyanide, Total	74		mg/kg	5.2	1.1	5	10/31/19 04:33	10/31/19 12:46	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-07
Client ID: WC-B2 (0'-5') COMP
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:45
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA
Cyanide, Total	3.8		mg/kg	1.1	0.23	1	10/31/19 11:50	10/31/19 14:35	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-08
Client ID: WC-B2 (3')-VOCS
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/30/19 10:50
Date Received: 10/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-09
Client ID: WC-B2-(5'-10')-COMP
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.1		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA
Cyanide, Total	2.6		mg/kg	1.0	0.22	1	10/31/19 11:50	10/31/19 14:36	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

SAMPLE RESULTS

Lab ID: L1951248-10
Client ID: WC-B2-(8')-VOCS
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.1		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1302781-1										
Cyanide, Total	ND		mg/kg	0.95	0.20	1	10/31/19 04:33	10/31/19 11:27	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 07,09 Batch: WG1302927-1										
Cyanide, Total	ND		mg/kg	0.86	0.18	1	10/31/19 11:50	10/31/19 14:05	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1302781-2 WG1302781-3								
Cyanide, Total	**58**	Q	**75**	Q	80-120	26		35
General Chemistry - Westborough Lab Associated sample(s): 07,09 Batch: WG1302927-2 WG1302927-3								
Cyanide, Total	**64**	Q	**67**	Q	80-120	5		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/04/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1302781-4 WG1302781-5 QC Sample: L1951363-01 Client ID: MS Sample												
Cyanide, Total	ND	11	11	100		11	96		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 07,09 QC Batch ID: WG1302927-4 WG1302927-5 QC Sample: L1950502-01 Client ID: MS Sample												
Cyanide, Total	ND	12	12	100		12	100		75-125	0		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/04/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1302749-1 QC Sample: L1951189-01 Client ID: DUP Sample						
Solids, Total	96.1	96.3	%	0		20

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1951248-01A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-01B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-01C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1951248-01E	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1951248-01F	Plastic 8oz unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1951248-01G	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1951248-01X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-01Y	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-01Z	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-02A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-02B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-02C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-02D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L1951248-02E	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1951248-02F	Plastic 8oz unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1951248-02G	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1951248-02X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-02Y	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-02Z	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-03A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-03B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-03C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-03D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1951248-03E	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1951248-03F	Plastic 8oz unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1951248-03G	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1951248-03X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-03Y	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-03Z	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-04A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1951248-04B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1951248-04C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1951248-04D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NA-TI(180),K-TI(180),CD-TI(180),CA-TI(180)
L1951248-04E	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1951248-04F	Plastic 8oz unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1951248-04G	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1951248-04X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1951248-04Y	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1951248-04Z	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260H(14),NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1951248-05A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-05B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-05C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-05D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L1951248-05E	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1951248-05F	Plastic 8oz unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1951248-05G	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1951248-05X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-05Y	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-05Z	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-06A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-06B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-06C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-06D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L1951248-06E	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1951248-06F	Plastic 8oz unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1951248-06G	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1951248-06X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-06Y	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-06Z	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/04/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1951248-07D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L1951248-07E	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1951248-07G	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1951248-08A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-08B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-08C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-08X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-08Y	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-08Z	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-09D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L1951248-09E	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1951248-09G	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1951248-10A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-10B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-10C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-10X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-10Y	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-10Z	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name:	33 CENTRE AVE	**Lab Number:**	L1951248
Project Number:	10567	**Report Date:**	11/04/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1951248
Project Number:	10567	**Report Date:**	11/04/19

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

Terms

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1951248
Project Number:	10567	**Report Date:**	11/04/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 10/30/19

ALPHA Job #: L1951248

Client Information
Client: SESI
Address: 12A Maple Ave
Pine Brook, NJ
Phone: 973-808-9050
Fax: —
Email: JAM@sesi.org

Project Information
Project Name: 33 ~~Hoffman~~ Centre Ave
Project Location: New Rochelle, NY
Project #: 10567
(Use Project name as Project #): ☐
Project Manager: Jesse Mausner
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date: 11/4/19
Rush (only if pre approved) ☒ # of Days: 3 day

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+30/TAL	TCL VOCs+10	TCL+30/TAC No VOCs	PFAS/4PFOA					Sample Specific Comments
51248-01	B-19 (4'-5')	10/30/19	9:50AM	S	GS	X			X					
02	B-19 (5.5'-6.5')	10/30/19	10:05 AM	S	GS	X			X					
03	B-12 (3'-4')	10/30/19	10:25AM	S	GS	X			X					
04	B-12 (8'-9')	10/30/19	10:35 AM	S	GS	X			X					
05	B-18 (2'-3')	10/30/19	11:00 AM	S	GS	X			X					
06	B-17 (1.5'-2.5')	10/30/19	11:35AM	S	GS	X			X					
07	WC-B2 (0-5') Comp	10/30/19	11:45AM	S	GS			X						
08	WC-B2 (3') - VOCs	10/30/19	11:50AM	S	GS		X							
09	WC-B2-(5'-10')-Comp	10/30/19	11:55AM	S	GS			X						
10	WC-B2-(8') - VOCs	10/30/19	12:55AM	S	GS		X							
	Container Type													
	Preservative													

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
G. Sestaro SESI	10/30/19 13:40	[illegible]	10/30/19 1340
Rob Vogel QAI	10/30/19 16:10	Paul Mazzella	10/30/19 1645
Paul Mazzella	10/30/19 21:32	TAL	10/30/19 2132

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1951248
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	33 CENTRE AVE
Project Number:	10567
Report Date:	11/25/19

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

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

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

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1951248-01	B-19 (4'-5')	SOIL	NEW ROCHELLE, NY	10/30/19 09:50	10/30/19
L1951248-02	B-19 (5.5'-6.5')	SOIL	NEW ROCHELLE, NY	10/30/19 10:05	10/30/19
L1951248-03	B-12 (3'-4')	SOIL	NEW ROCHELLE, NY	10/30/19 10:25	10/30/19
L1951248-04	B-12 (8'-9')	SOIL	NEW ROCHELLE, NY	10/30/19 10:35	10/30/19
L1951248-05	B-18 (2'-3')	SOIL	NEW ROCHELLE, NY	10/30/19 11:00	10/30/19
L1951248-06	B-17 (1.5'-2.5')	SOIL	NEW ROCHELLE, NY	10/30/19 11:35	10/30/19
L1951248-07	WC-B2 (0'-5') COMP	SOIL	NEW ROCHELLE, NY	10/30/19 11:45	10/30/19
L1951248-08	WC-B2 (3')-VOCS	SOIL	NEW ROCHELLE, NY	10/30/19 10:50	10/30/19
L1951248-09	WC-B2-(5'-10')-COMP	SOIL	NEW ROCHELLE, NY	10/30/19 11:55	10/30/19
L1951248-10	WC-B2-(8')-VOCS	SOIL	NEW ROCHELLE, NY	10/30/19 11:55	10/30/19

Project Name:	33 CENTRE AVE	**Lab Number:**	L1951248
Project Number:	10567	**Report Date:**	11/25/19

Case Narrative

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

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

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

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

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

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

Project Name: 33 CENTRE AVE **Lab Number:** L1951248
Project Number: 10567 **Report Date:** 11/25/19

Case Narrative (continued)

Report Submission

November 25, 2019: This final report includes the results of all requested analyses.

November 04, 2019: This preliminary report includes the results of the Volatile Organics analysis performed on L1951248-08 and -10; the results of the Semivolatile Organics analysis performed on L1951248-09; and the results of the Metals analysis performed on L1951248-07 and -09.

October 31, 2019: This is a preliminary report.

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

Sample Receipt

L1951248-09: The collection date and time on the chain of custody was 30-OCT-19 11:55; however, the collection date/time on the container label was 30-OCT-19 11:15. At the client's request, the collection date/time is reported as 30-OCT-19 11:55.

Volatile Organics

L1951248-04: The sample was analyzed as a High Level Methanol in order to quantitate results within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported.

Semivolatile Organics

The WG1303105-2/-3 LCS/LCSD recoveries, associated with L1951248-09, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

Perfluorinated Alkyl Acids by Isotope Dilution

L1951248-01 and -06: Extracted Internal Standard recoveries were outside the acceptance criteria for

Project Name: 33 CENTRE AVE **Lab Number:** L1951248
Project Number: 10567 **Report Date:** 11/25/19

Case Narrative (continued)

individual analytes. Please refer to the surrogate section of the report for details.
The WG1302870-3 LCSD recovery, associated with L1951248-01 through -06, is above the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (152%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

Total Metals
L1951248-01 through -07, and -09: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.
The WG1302826-3 MS recoveries for aluminum (1160%), chromium (187%), copper (69%), iron (2420%), and manganese (269%), performed on L1951248-01, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG1302826-3 MS recovery, performed on L1951248-01, is outside the acceptance criteria for nickel (152%). A post digestion spike was performed and yielded an unacceptable recovery for nickel (79%). The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.
The WG1302826-3 MS recoveries, performed on L1951248-01, are outside the acceptance criteria for magnesium (297%) and sodium (4%). A post digestion spike was performed and was within acceptance criteria.
The WG1302850-3 MS recovery, performed on L1951248-01, is outside the acceptance criteria for mercury (129%). A post digestion spike was performed and was within acceptance criteria.
The WG1302826-4 Laboratory Duplicate RPDs for calcium (45%), chromium (28%), lead (39%), nickel (21%) and sodium (54%), performed on L1951248-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

Cyanide, Total
The WG1302781-2/-3 LCS/LCSD recoveries (58%/75%), associated with L1951248-01 through -06, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Case Narrative (continued)

The WG1302927-2/-3 LCS/LCSD recoveries (64%/67%), associated with L1951248-07 and -09, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 11/25/19

ORGANICS

VOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/31/19 09:32
Analyst: MV
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	0.39	J	ug/kg	1.1	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	0.51	J	ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.2	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	0.62	J	ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	4.9		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	0.27	J	ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	0.27	J	ug/kg	1.1	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.97	1
Acetone	13		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.8	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.2	0.69	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	85	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

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

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/31/19 09:58
Analyst: MV
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	2.0		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	1.6		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	1.9		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	1.2		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 33 CENTRE AVE **Lab Number:** L1951248

Project Number: 10567 **Report Date:** 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-02 Date Collected: 10/30/19 10:05

Client ID: B-19 (5.5'-6.5') Date Received: 10/30/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	63		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	0.29	J	ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.29	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	20		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	3.4	J	ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.66	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	81	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/31/19 10:24
Analyst: MV
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.91	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.91	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.91	0.11	1
Dibromochloromethane	ND		ug/kg	0.91	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	0.24	1
Tetrachloroethene	3.0		ug/kg	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.63	1
1,2-Dichloroethane	ND		ug/kg	0.91	0.23	1
1,1,1-Trichloroethane	0.72		ug/kg	0.45	0.15	1
Bromodichloromethane	ND		ug/kg	0.45	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.45	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.45	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	0.15	1
Benzene	ND		ug/kg	0.45	0.15	1
Toluene	ND		ug/kg	0.91	0.49	1
Ethylbenzene	ND		ug/kg	0.91	0.13	1
Chloromethane	ND		ug/kg	3.6	0.84	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.91	0.30	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.91	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	4.0		ug/kg	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.91	0.26	1
Xylenes, Total	ND		ug/kg	0.91	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.91	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.91	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.1	0.83	1
Acetone	ND		ug/kg	9.1	4.4	1
Carbon disulfide	ND		ug/kg	9.1	4.1	1
2-Butanone	ND		ug/kg	9.1	2.0	1
Vinyl acetate	ND		ug/kg	9.1	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.1	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.91	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.45	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.91	0.15	1
sec-Butylbenzene	ND		ug/kg	0.91	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.90	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.91	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.91	0.10	1
Naphthalene	ND		ug/kg	3.6	0.59	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.91	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	72	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.5	1.3	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/31/19 10:49
Analyst: MV
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	0.20	J	ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	0.31	J	ug/kg	1.1	0.29	1
Tetrachloroethene	1.6		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	16		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	0.42	J	ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	340	E	ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	5.2	J	ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/31/19 12:55
Analyst: MV
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	380	170	1
1,1-Dichloroethane	ND		ug/kg	75	11.	1
Chloroform	ND		ug/kg	110	10.	1
Carbon tetrachloride	ND		ug/kg	75	17.	1
1,2-Dichloropropane	ND		ug/kg	75	9.4	1
Dibromochloromethane	ND		ug/kg	75	10.	1
1,1,2-Trichloroethane	ND		ug/kg	75	20.	1
Tetrachloroethene	ND		ug/kg	38	15.	1
Chlorobenzene	ND		ug/kg	38	9.6	1
Trichlorofluoromethane	ND		ug/kg	300	52.	1
1,2-Dichloroethane	ND		ug/kg	75	19.	1
1,1,1-Trichloroethane	13	J	ug/kg	38	12.	1
Bromodichloromethane	ND		ug/kg	38	8.2	1
trans-1,3-Dichloropropene	ND		ug/kg	75	20.	1
cis-1,3-Dichloropropene	ND		ug/kg	38	12.	1
1,3-Dichloropropene, Total	ND		ug/kg	38	12.	1
1,1-Dichloropropene	ND		ug/kg	38	12.	1
Bromoform	ND		ug/kg	300	18.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	38	12.	1
Benzene	ND		ug/kg	38	12.	1
Toluene	ND		ug/kg	75	41.	1
Ethylbenzene	ND		ug/kg	75	11.	1
Chloromethane	ND		ug/kg	300	70.	1
Bromomethane	ND		ug/kg	150	44.	1
Vinyl chloride	ND		ug/kg	75	25.	1
Chloroethane	ND		ug/kg	150	34.	1
1,1-Dichloroethene	ND		ug/kg	75	18.	1
trans-1,2-Dichloroethene	ND		ug/kg	110	10.	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	290		ug/kg	38	10.	1
1,2-Dichlorobenzene	ND		ug/kg	150	11.	1
1,3-Dichlorobenzene	ND		ug/kg	150	11.	1
1,4-Dichlorobenzene	ND		ug/kg	150	13.	1
Methyl tert butyl ether	ND		ug/kg	150	15.	1
p/m-Xylene	ND		ug/kg	150	42.	1
o-Xylene	ND		ug/kg	75	22.	1
Xylenes, Total	ND		ug/kg	75	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	75	13.	1
1,2-Dichloroethene, Total	ND		ug/kg	75	10.	1
Dibromomethane	ND		ug/kg	150	18.	1
Styrene	ND		ug/kg	75	15.	1
Dichlorodifluoromethane	ND		ug/kg	750	69.	1
Acetone	5100		ug/kg	750	360	1
Carbon disulfide	ND		ug/kg	750	340	1
2-Butanone	ND		ug/kg	750	170	1
Vinyl acetate	ND		ug/kg	750	160	1
4-Methyl-2-pentanone	ND		ug/kg	750	96.	1
1,2,3-Trichloropropane	ND		ug/kg	150	9.6	1
2-Hexanone	ND		ug/kg	750	89.	1
Bromochloromethane	ND		ug/kg	150	15.	1
2,2-Dichloropropane	ND		ug/kg	150	15.	1
1,2-Dibromoethane	ND		ug/kg	75	21.	1
1,3-Dichloropropane	ND		ug/kg	150	12.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	38	9.9	1
Bromobenzene	ND		ug/kg	150	11.	1
n-Butylbenzene	ND		ug/kg	75	12.	1
sec-Butylbenzene	ND		ug/kg	75	11.	1
tert-Butylbenzene	ND		ug/kg	150	8.9	1
o-Chlorotoluene	ND		ug/kg	150	14.	1
p-Chlorotoluene	ND		ug/kg	150	8.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	220	75.	1
Hexachlorobutadiene	ND		ug/kg	300	13.	1
Isopropylbenzene	ND		ug/kg	75	8.2	1
p-Isopropyltoluene	ND		ug/kg	75	8.2	1
Naphthalene	ND		ug/kg	300	49.	1
Acrylonitrile	ND		ug/kg	300	86.	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	75	13.	1
1,2,3-Trichlorobenzene	ND		ug/kg	150	24.	1
1,2,4-Trichlorobenzene	ND		ug/kg	150	20.	1
1,3,5-Trimethylbenzene	ND		ug/kg	150	14.	1
1,2,4-Trimethylbenzene	ND		ug/kg	150	25.	1
1,4-Dioxane	ND		ug/kg	6000	2600	1
p-Diethylbenzene	ND		ug/kg	150	13.	1
p-Ethyltoluene	ND		ug/kg	150	29.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	150	14.	1
Ethyl ether	ND		ug/kg	150	26.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	380	110	1
Tentatively Identified Compounds						
Total TIC Compounds	4010	J	ug/kg			1
Unknown Alkane	413	J	ug/kg			1
Unknown	1420	J	ug/kg			1
Unknown	1960	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	217	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/31/19 11:14
Analyst: MV
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	0.16	J	ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	6.9		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.81		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.66	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	81	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/31/19 11:39
Analyst: MV
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	0.27	J	ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	1.0		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	1.1		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	ND		ug/kg	0.50	0.16	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 33 CENTRE AVE **Lab Number:** L1951248

Project Number: 10567 **Report Date:** 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-06 Date Collected: 10/30/19 11:35

Client ID: B-17 (1.5'-2.5') Date Received: 10/30/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.4		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.91	1
Acetone	10		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.5	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.65	1
Acrylonitrile	ND		ug/kg	4.0	1.1	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	80	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-08
Client ID: WC-B2 (3')-VOCS
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/31/19 15:30
Analyst: AD
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	6.8		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	0.37	J	ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-08
Client ID: WC-B2 (3')-VOCS
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	2.0		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.97	1
Acetone	ND		ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.12	1
Naphthalene	ND		ug/kg	4.2	0.69	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-08
Client ID: WC-B2 (3')-VOCS
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

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

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-10
Client ID: WC-B2-(8')-VOCS
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/31/19 21:28
Analyst: JC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	13	6.2	1
1,1-Dichloroethane	ND		ug/kg	2.7	0.39	1
Chloroform	ND		ug/kg	4.0	0.38	1
Carbon tetrachloride	ND		ug/kg	2.7	0.62	1
1,2-Dichloropropane	ND		ug/kg	2.7	0.34	1
Dibromochloromethane	ND		ug/kg	2.7	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	2.7	0.72	1
Tetrachloroethene	ND		ug/kg	1.3	0.53	1
Chlorobenzene	ND		ug/kg	1.3	0.34	1
Trichlorofluoromethane	ND		ug/kg	11	1.9	1
1,2-Dichloroethane	ND		ug/kg	2.7	0.69	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.45	1
Bromodichloromethane	ND		ug/kg	1.3	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	0.73	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.42	1
1,3-Dichloropropene, Total	ND		ug/kg	1.3	0.42	1
1,1-Dichloropropene	ND		ug/kg	1.3	0.43	1
Bromoform	ND		ug/kg	11	0.66	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.45	1
Benzene	ND		ug/kg	1.3	0.45	1
Toluene	ND		ug/kg	2.7	1.4	1
Ethylbenzene	ND		ug/kg	2.7	0.38	1
Chloromethane	ND		ug/kg	11	2.5	1
Bromomethane	ND		ug/kg	5.4	1.6	1
Vinyl chloride	ND		ug/kg	2.7	0.90	1
Chloroethane	ND		ug/kg	5.4	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.7	0.64	1
trans-1,2-Dichloroethene	ND		ug/kg	4.0	0.37	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-10
Client ID: WC-B2-(8')-VOCS
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	4.8		ug/kg	1.3	0.37	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.39	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.40	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.46	1
Methyl tert butyl ether	ND		ug/kg	5.4	0.54	1
p/m-Xylene	ND		ug/kg	5.4	1.5	1
o-Xylene	ND		ug/kg	2.7	0.78	1
Xylenes, Total	ND		ug/kg	2.7	0.78	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	0.47	1
1,2-Dichloroethene, Total	ND		ug/kg	2.7	0.37	1
Dibromomethane	ND		ug/kg	5.4	0.64	1
Styrene	ND		ug/kg	2.7	0.53	1
Dichlorodifluoromethane	ND		ug/kg	27	2.4	1
Acetone	ND		ug/kg	27	13.	1
Carbon disulfide	ND		ug/kg	27	12.	1
2-Butanone	ND		ug/kg	27	6.0	1
Vinyl acetate	ND		ug/kg	27	5.8	1
4-Methyl-2-pentanone	ND		ug/kg	27	3.4	1
1,2,3-Trichloropropane	ND		ug/kg	5.4	0.34	1
2-Hexanone	ND		ug/kg	27	3.2	1
Bromochloromethane	ND		ug/kg	5.4	0.55	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.54	1
1,2-Dibromoethane	ND		ug/kg	2.7	0.75	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.45	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.35	1
Bromobenzene	ND		ug/kg	5.4	0.39	1
n-Butylbenzene	ND		ug/kg	2.7	0.45	1
sec-Butylbenzene	ND		ug/kg	2.7	0.39	1
tert-Butylbenzene	ND		ug/kg	5.4	0.32	1
o-Chlorotoluene	ND		ug/kg	5.4	0.51	1
p-Chlorotoluene	ND		ug/kg	5.4	0.29	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.1	2.7	1
Hexachlorobutadiene	ND		ug/kg	11	0.45	1
Isopropylbenzene	ND		ug/kg	2.7	0.29	1
p-Isopropyltoluene	ND		ug/kg	2.7	0.29	1
Naphthalene	ND		ug/kg	11	1.7	1
Acrylonitrile	ND		ug/kg	11	3.1	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-10
Client ID: WC-B2-(8')-VOCS
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.7	0.46	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.86	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.52	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.90	1
1,4-Dioxane	ND		ug/kg	220	94.	1
p-Diethylbenzene	ND		ug/kg	5.4	0.48	1
p-Ethyltoluene	ND		ug/kg	5.4	1.0	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.4	0.51	1
Ethyl ether	ND		ug/kg	5.4	0.92	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	3.8	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 08:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06,08 Batch: WG1302937-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 08:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06,08 Batch: WG1302937-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.23	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 08:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06,08 Batch: WG1302937-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds			
Total TIC Compounds	6.24	J	ug/kg
Unknown	6.24	J	ug/kg

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 08:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06,08 Batch: WG1302937-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 08:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1303065-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 08:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1303065-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	11	J	ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 08:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1303065-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Tentatively Identified Compounds

Total TIC Compounds	312	J	ug/kg
Unknown	312	J	ug/kg

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 08:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1303065-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 20:11
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 10 Batch: WG1303472-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 20:11
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 10 Batch: WG1303472-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.22	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 20:11
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 10 Batch: WG1303472-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/19 20:11
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 10 Batch: WG1303472-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06,08 Batch: WG1302937-3 WG1302937-4								
Methylene chloride	100		99		70-130	1		30
1,1-Dichloroethane	102		102		70-130	0		30
Chloroform	108		110		70-130	2		30
Carbon tetrachloride	111		110		70-130	1		30
1,2-Dichloropropane	101		101		70-130	0		30
Dibromochloromethane	91		94		70-130	3		30
1,1,2-Trichloroethane	89		90		70-130	1		30
Tetrachloroethene	98		100		70-130	2		30
Chlorobenzene	99		101		70-130	2		30
Trichlorofluoromethane	102		100		70-139	2		30
1,2-Dichloroethane	92		93		70-130	1		30
1,1,1-Trichloroethane	102		104		70-130	2		30
Bromodichloromethane	94		95		70-130	1		30
trans-1,3-Dichloropropene	92		94		70-130	2		30
cis-1,3-Dichloropropene	98		100		70-130	2		30
1,1-Dichloropropene	106		106		70-130	0		30
Bromoform	87		90		70-130	3		30
1,1,2,2-Tetrachloroethane	82		84		70-130	2		30
Benzene	98		98		70-130	0		30
Toluene	92		92		70-130	0		30
Ethylbenzene	94		94		70-130	0		30
Chloromethane	118		117		52-130	1		30
Bromomethane	132		127		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06,08 Batch: WG1302937-3 WG1302937-4								
Vinyl chloride	123		121		67-130	2		30
Chloroethane	113		111		50-151	2		30
1,1-Dichloroethene	112		112		65-135	0		30
trans-1,2-Dichloroethene	105		106		70-130	1		30
Trichloroethene	101		100		70-130	1		30
1,2-Dichlorobenzene	88		89		70-130	1		30
1,3-Dichlorobenzene	90		92		70-130	2		30
1,4-Dichlorobenzene	87		89		70-130	2		30
Methyl tert butyl ether	100		101		66-130	1		30
p/m-Xylene	90		90		70-130	0		30
o-Xylene	88		88		70-130	0		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	97		99		70-130	2		30
Styrene	87		88		70-130	1		30
Dichlorodifluoromethane	125		128		30-146	2		30
Acetone	112		107		54-140	5		30
Carbon disulfide	109		109		59-130	0		30
2-Butanone	98		99		70-130	1		30
Vinyl acetate	110		111		70-130	1		30
4-Methyl-2-pentanone	96		100		70-130	4		30
1,2,3-Trichloropropane	83		84		68-130	1		30
2-Hexanone	96		99		70-130	3		30
Bromochloromethane	105		106		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06,08 Batch: WG1302937-3 WG1302937-4								
2,2-Dichloropropane	110		108		70-130	2		30
1,2-Dibromoethane	91		94		70-130	3		30
1,3-Dichloropropane	88		89		69-130	1		30
1,1,1,2-Tetrachloroethane	88		90		70-130	2		30
Bromobenzene	87		88		70-130	1		30
n-Butylbenzene	94		94		70-130	0		30
sec-Butylbenzene	93		93		70-130	0		30
tert-Butylbenzene	92		92		70-130	0		30
o-Chlorotoluene	86		86		70-130	0		30
p-Chlorotoluene	86		86		70-130	0		30
1,2-Dibromo-3-chloropropane	95		95		68-130	0		30
Hexachlorobutadiene	96		96		67-130	0		30
Isopropylbenzene	90		91		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	94		94		70-130	0		30
Acrylonitrile	109		108		70-130	1		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	96		96		70-130	0		30
1,2,4-Trichlorobenzene	97		99		70-130	2		30
1,3,5-Trimethylbenzene	89		90		70-130	1		30
1,2,4-Trimethylbenzene	88		89		70-130	1		30
1,4-Dioxane	98		105		65-136	7		30
p-Diethylbenzene	96		96		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06,08 Batch: WG1302937-3 WG1302937-4								
p-Ethyltoluene	92		92		70-130	0		30
1,2,4,5-Tetramethylbenzene	92		93		70-130	1		30
Ethyl ether	104		105		67-130	1		30
trans-1,4-Dichloro-2-butene	88		88		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		91		70-130
Toluene-d8	92		93		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1303065-3 WG1303065-4								
Methylene chloride	100		99		70-130	1		30
1,1-Dichloroethane	102		102		70-130	0		30
Chloroform	108		110		70-130	2		30
Carbon tetrachloride	111		110		70-130	1		30
1,2-Dichloropropane	101		101		70-130	0		30
Dibromochloromethane	91		94		70-130	3		30
1,1,2-Trichloroethane	89		90		70-130	1		30
Tetrachloroethene	98		100		70-130	2		30
Chlorobenzene	99		101		70-130	2		30
Trichlorofluoromethane	102		100		70-139	2		30
1,2-Dichloroethane	92		93		70-130	1		30
1,1,1-Trichloroethane	102		104		70-130	2		30
Bromodichloromethane	94		95		70-130	1		30
trans-1,3-Dichloropropene	92		94		70-130	2		30
cis-1,3-Dichloropropene	98		100		70-130	2		30
1,1-Dichloropropene	106		106		70-130	0		30
Bromoform	87		90		70-130	3		30
1,1,2,2-Tetrachloroethane	82		84		70-130	2		30
Benzene	98		98		70-130	0		30
Toluene	92		92		70-130	0		30
Ethylbenzene	94		94		70-130	0		30
Chloromethane	118		117		52-130	1		30
Bromomethane	132		127		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1303065-3 WG1303065-4								
Vinyl chloride	123		121		67-130	2		30
Chloroethane	113		111		50-151	2		30
1,1-Dichloroethene	112		112		65-135	0		30
trans-1,2-Dichloroethene	105		106		70-130	1		30
Trichloroethene	101		100		70-130	1		30
1,2-Dichlorobenzene	88		89		70-130	1		30
1,3-Dichlorobenzene	90		92		70-130	2		30
1,4-Dichlorobenzene	87		89		70-130	2		30
Methyl tert butyl ether	100		101		66-130	1		30
p/m-Xylene	90		90		70-130	0		30
o-Xylene	88		88		70-130	0		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	97		99		70-130	2		30
Styrene	87		88		70-130	1		30
Dichlorodifluoromethane	125		128		30-146	2		30
Acetone	112		107		54-140	5		30
Carbon disulfide	109		109		59-130	0		30
2-Butanone	98		99		70-130	1		30
Vinyl acetate	110		111		70-130	1		30
4-Methyl-2-pentanone	96		100		70-130	4		30
1,2,3-Trichloropropane	83		84		68-130	1		30
2-Hexanone	96		99		70-130	3		30
Bromochloromethane	105		106		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1303065-3 WG1303065-4								
2,2-Dichloropropane	110		108		70-130	2		30
1,2-Dibromoethane	91		94		70-130	3		30
1,3-Dichloropropane	88		89		69-130	1		30
1,1,1,2-Tetrachloroethane	88		90		70-130	2		30
Bromobenzene	87		88		70-130	1		30
n-Butylbenzene	94		94		70-130	0		30
sec-Butylbenzene	93		93		70-130	0		30
tert-Butylbenzene	92		92		70-130	0		30
o-Chlorotoluene	86		86		70-130	0		30
p-Chlorotoluene	86		86		70-130	0		30
1,2-Dibromo-3-chloropropane	95		95		68-130	0		30
Hexachlorobutadiene	96		96		67-130	0		30
Isopropylbenzene	90		91		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	94		94		70-130	0		30
Acrylonitrile	109		108		70-130	1		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	96		96		70-130	0		30
1,2,4-Trichlorobenzene	97		99		70-130	2		30
1,3,5-Trimethylbenzene	89		90		70-130	1		30
1,2,4-Trimethylbenzene	88		89		70-130	1		30
1,4-Dioxane	98		105		65-136	7		30
p-Diethylbenzene	96		96		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1303065-3 WG1303065-4								
p-Ethyltoluene	92		92		70-130	0		30
1,2,4,5-Tetramethylbenzene	92		93		70-130	1		30
Ethyl ether	104		105		67-130	1		30
trans-1,4-Dichloro-2-butene	88		88		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		91		70-130
Toluene-d8	92		93		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 10 Batch: WG1303472-3 WG1303472-4								
Methylene chloride	100		101		70-130	1		30
1,1-Dichloroethane	102		103		70-130	1		30
Chloroform	109		111		70-130	2		30
Carbon tetrachloride	95		99		70-130	4		30
1,2-Dichloropropane	103		104		70-130	1		30
Dibromochloromethane	90		94		70-130	4		30
1,1,2-Trichloroethane	90		93		70-130	3		30
Tetrachloroethene	85		88		70-130	3		30
Chlorobenzene	98		100		70-130	2		30
Trichlorofluoromethane	88		89		70-139	1		30
1,2-Dichloroethane	96		96		70-130	0		30
1,1,1-Trichloroethane	94		96		70-130	2		30
Bromodichloromethane	95		98		70-130	3		30
trans-1,3-Dichloropropene	92		95		70-130	3		30
cis-1,3-Dichloropropene	99		100		70-130	1		30
1,1-Dichloropropene	98		98		70-130	0		30
Bromoform	83		88		70-130	6		30
1,1,2,2-Tetrachloroethane	81		84		70-130	4		30
Benzene	97		98		70-130	1		30
Toluene	89		91		70-130	2		30
Ethylbenzene	91		91		70-130	0		30
Chloromethane	112		116		52-130	4		30
Bromomethane	134		133		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 10 Batch: WG1303472-3 WG1303472-4								
Vinyl chloride	117		118		67-130	1		30
Chloroethane	116		116		50-151	0		30
1,1-Dichloroethene	95		100		65-135	5		30
trans-1,2-Dichloroethene	98		102		70-130	4		30
Trichloroethene	95		96		70-130	1		30
1,2-Dichlorobenzene	85		88		70-130	3		30
1,3-Dichlorobenzene	87		89		70-130	2		30
1,4-Dichlorobenzene	84		86		70-130	2		30
Methyl tert butyl ether	100		103		66-130	3		30
p/m-Xylene	88		89		70-130	1		30
o-Xylene	88		89		70-130	1		30
cis-1,2-Dichloroethene	100		104		70-130	4		30
Dibromomethane	98		101		70-130	3		30
Styrene	90		90		70-130	0		30
Dichlorodifluoromethane	100		107		30-146	7		30
Acetone	111		116		54-140	4		30
Carbon disulfide	100		102		59-130	2		30
2-Butanone	103		105		70-130	2		30
Vinyl acetate	110		111		70-130	1		30
4-Methyl-2-pentanone	96		101		70-130	5		30
1,2,3-Trichloropropane	81		84		68-130	4		30
2-Hexanone	96		101		70-130	5		30
Bromochloromethane	102		106		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 10 Batch: WG1303472-3 WG1303472-4								
2,2-Dichloropropane	98		101		70-130	3		30
1,2-Dibromoethane	91		93		70-130	2		30
1,3-Dichloropropane	91		92		69-130	1		30
1,1,1,2-Tetrachloroethane	88		90		70-130	2		30
Bromobenzene	84		86		70-130	2		30
n-Butylbenzene	84		86		70-130	2		30
sec-Butylbenzene	84		85		70-130	1		30
tert-Butylbenzene	84		85		70-130	1		30
o-Chlorotoluene	82		83		70-130	1		30
p-Chlorotoluene	83		84		70-130	1		30
1,2-Dibromo-3-chloropropane	88		92		68-130	4		30
Hexachlorobutadiene	83		86		67-130	4		30
Isopropylbenzene	82		83		70-130	1		30
p-Isopropyltoluene	85		87		70-130	2		30
Naphthalene	88		94		70-130	7		30
Acrylonitrile	111		111		70-130	0		30
n-Propylbenzene	84		84		70-130	0		30
1,2,3-Trichlorobenzene	89		93		70-130	4		30
1,2,4-Trichlorobenzene	88		92		70-130	4		30
1,3,5-Trimethylbenzene	84		86		70-130	2		30
1,2,4-Trimethylbenzene	84		86		70-130	2		30
1,4-Dioxane	104		109		65-136	5		30
p-Diethylbenzene	87		88		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 10 Batch: WG1303472-3 WG1303472-4								
p-Ethyltoluene	86		86		70-130	0		30
1,2,4,5-Tetramethylbenzene	88		89		70-130	1		30
Ethyl ether	104		107		67-130	3		30
trans-1,4-Dichloro-2-butene	84		87		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	93		93		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	97		99		70-130

SEMIVOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/31/19 11:43
Analyst: JG
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	37	J	ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	26	J	ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	70.	1
2-Nitrophenol	ND		ug/kg	460	80.	1
4-Nitrophenol	ND		ug/kg	300	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	99.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	ND		ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	32	9.7	1
Tentatively Identified Compounds						
Total TIC Compounds	499	J	ug/kg			1
Unknown	499	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	56		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/22/19 20:16
Analyst: JW
Percent Solids: 78%

Extraction Method: EPA 537(M)
Extraction Date: 10/31/19 10:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.25	0.028	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.25	0.058	1
Perfluorobutanesulfonic Acid (PFBS)	0.120	J	ug/kg	1.25	0.049	1
Perfluorohexanoic Acid (PFHxA)	0.086	J	ug/kg	1.25	0.066	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.25	0.057	1
Perfluorohexanesulfonic Acid (PFHxS)	1.24	J	ug/kg	1.25	0.076	1
Perfluorooctanoic Acid (PFOA)	0.205	J	ug/kg	1.25	0.053	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.25	0.225	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.615	J	ug/kg	1.25	0.171	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.25	0.094	1
Perfluorooctanesulfonic Acid (PFOS)	21.8		ug/kg	1.25	0.163	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.25	0.084	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.25	0.359	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.25	0.252	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.25	0.059	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.25	0.192	1
Perfluorooctanesulfonamide (FOSA)	0.703	J	ug/kg	1.25	0.123	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.589	J	ug/kg	1.25	0.106	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.25	0.088	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.25	0.256	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.25	0.068	1
PFOA/PFOS, Total	22.0	J	ug/kg	1.25	0.053	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	108		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	125		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	108		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	110		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**279**	Q	32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	118		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	108		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	112		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	131		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	142		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	90		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	103		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**163**	Q	56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	122		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/31/19 12:06
Analyst: JG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 33 CENTRE AVE **Lab Number:** L1951248

Project Number: 10567 **Report Date:** 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-02 Date Collected: 10/30/19 10:05

Client ID: B-19 (5.5'-6.5') Date Received: 10/30/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	3400	J	ug/kg			1
Unknown	2820	J	ug/kg			1
Unknown	170	J	ug/kg			1
Cyclic Octaatomic Sulfur	409	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	55		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/22/19 20:33
Analyst: JW
Percent Solids: 89%

Extraction Method: EPA 537(M)
Extraction Date: 10/31/19 10:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.08	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.08	0.050	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.08	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.08	0.057	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.08	0.049	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.08	0.065	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.08	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.08	0.194	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.08	0.147	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.08	0.081	1
Perfluorooctanesulfonic Acid (PFOS)	0.257	J	ug/kg	1.08	0.140	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.08	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.08	0.310	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.08	0.217	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.08	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.08	0.165	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.08	0.106	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.08	0.091	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.08	0.076	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.08	0.220	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.08	0.058	1
PFOA/PFOS, Total	0.257	J	ug/kg	1.08	0.045	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	116		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	129		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	115		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	106		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	112		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	127		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	119		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	99		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	120		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	122		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	116		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	118		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	98		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	134		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	95		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	100		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	142		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	103		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/31/19 12:29
Analyst: JG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	ND		ug/kg	180	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	62		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/22/19 20:49
Analyst: JW
Percent Solids: 89%

Extraction Method: EPA 537(M)
Extraction Date: 10/31/19 10:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.00	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.00	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.00	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.00	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.00	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.00	0.061	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.00	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.00	0.180	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.00	0.137	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.00	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	2.53		ug/kg	1.00	0.130	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.00	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.00	0.288	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.00	0.202	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.00	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.00	0.153	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.00	0.098	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.00	0.085	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.00	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.00	0.205	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.00	0.054	1
PFOA/PFOS, Total	2.53		ug/kg	1.00	0.042	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	119		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	125		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	110		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	114		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	123		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	123		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	87		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	125		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	123		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	120		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	94		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	79		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	128		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	87		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	89		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	117		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	102		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/31/19 12:52
Analyst: JG
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	180	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	60		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/22/19 21:06
Analyst: JW
Percent Solids: 86%

Extraction Method: EPA 537(M)
Extraction Date: 10/31/19 10:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.08	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.08	0.050	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.08	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.08	0.057	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.08	0.049	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.08	0.065	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.08	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.08	0.193	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.08	0.147	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.08	0.081	1
Perfluorooctanesulfonic Acid (PFOS)	0.374	J	ug/kg	1.08	0.140	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.08	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.08	0.309	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.08	0.217	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.08	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.08	0.165	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.08	0.106	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.08	0.091	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.08	0.075	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.08	0.220	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.08	0.058	1
PFOA/PFOS, Total	0.374	J	ug/kg	1.08	0.045	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	109		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	117		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	101		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	109		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	115		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	109		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	95		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	118		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	111		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	111		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	121		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	79		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	89		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	118		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	99		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/31/19 13:15
Analyst: JG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	120		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 33 CENTRE AVE **Lab Number:** L1951248

Project Number: 10567 **Report Date:** 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-05 Date Collected: 10/30/19 11:00

Client ID: B-18 (2'-3') Date Received: 10/30/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	70	J	ug/kg	110	20.	1
Benzo(a)pyrene	72	J	ug/kg	150	44.	1
Benzo(b)fluoranthene	89	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	33	J	ug/kg	110	29.	1
Chrysene	61	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	44	J	ug/kg	150	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	48	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	48	J	ug/kg	150	25.	1
Pyrene	100	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	69.	1
4-Nitrophenol	ND		ug/kg	260	74.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	1130	J	ug/kg			1
Tetrachloroethene	977	NJ	ug/kg			1
Unknown	154	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	40		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/22/19 21:22
Analyst: JW
Percent Solids: 90%

Extraction Method: EPA 537(M)
Extraction Date: 10/31/19 10:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.10	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.10	0.051	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.10	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.10	0.058	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.10	0.050	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.10	0.066	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.10	0.046	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.10	0.197	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.10	0.150	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.10	0.082	1
Perfluorooctanesulfonic Acid (PFOS)	4.85		ug/kg	1.10	0.143	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.10	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.10	0.315	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.10	0.221	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.10	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.10	0.168	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.10	0.108	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.10	0.093	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.10	0.077	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.10	0.224	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.10	0.059	1
PFOA/PFOS, Total	4.85		ug/kg	1.10	0.046	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	115		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	124		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	118		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	103		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	111		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	122		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	114		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	98		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	123		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	133		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	118		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	133		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	131		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	81		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	128		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	98		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/31/19 12:34
Analyst: IM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	23	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	74	J	ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	21	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	100	J	ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
Total TIC Compounds	316	J	ug/kg			1
Unknown	316	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	58		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/22/19 21:39
Analyst: JW
Percent Solids: 91%

Extraction Method: EPA 537(M)
Extraction Date: 10/31/19 10:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.06	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.06	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	0.052	J	ug/kg	1.06	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.072	J	ug/kg	1.06	0.056	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.06	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.06	0.064	1
Perfluorooctanoic Acid (PFOA)	0.222	J	ug/kg	1.06	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.90		ug/kg	1.06	0.190	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.06	0.144	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.06	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	1.33		ug/kg	1.06	0.138	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.06	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.06	0.304	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.06	0.213	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.06	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.06	0.162	1
Perfluorooctanesulfonamide (FOSA)	5.00		ug/kg	1.06	0.104	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	7.07		ug/kg	1.06	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.06	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.06	0.216	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.06	0.057	1
PFOA/PFOS, Total	1.55	J	ug/kg	1.06	0.044	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**41**	Q	60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**43**	Q	65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**38**	Q	61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**48**	Q	62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**60**	Q	62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	87		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	75		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	101		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**24**	Q	45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	5		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**26**	Q	42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-07
Client ID: WC-B2 (0'-5') COMP
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:45
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/31/19 13:00
Analyst: IM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	160		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-07
Client ID: WC-B2 (0'-5') COMP
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:45
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	59	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	50	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	54	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	70	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	130		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-07
Client ID: WC-B2 (0'-5') COMP
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:45
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	62		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-09
Client ID: WC-B2-(5'-10')-COMP
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/01/19 23:47
Analyst: EK
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 15:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	22	J	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 33 CENTRE AVE **Lab Number:** L1951248

Project Number: 10567 **Report Date:** 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-09 Date Collected: 10/30/19 11:55

Client ID: WC-B2-(5'-10')-COMP Date Received: 10/30/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-09
Client ID: WC-B2-(5'-10')-COMP
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	111		10-136
4-Terphenyl-d14	74		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/31/19 13:54
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1302765-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/31/19 13:54
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1302765-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/31/19 13:54
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1302765-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	61		18-120

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/06/19 20:27
Analyst: JW

Extraction Method: EPA 537(M)
Extraction Date: 10/31/19 10:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-06 Batch: WG1302870-1					
Perfluorobutanoic Acid (PFBA)	0.103	J	ug/kg	1.00	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.00	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.00	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.00	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.00	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.00	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.00	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.00	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.00	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.00	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.00	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.00	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.00	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.00	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.00	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.00	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.00	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.00	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.00	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.00	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.00	0.054
PFOA/PFOS, Total	ND		ug/kg	1.00	0.042

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 11/06/19 20:27
Analyst: JW

Extraction Method: EPA 537(M)
Extraction Date: 10/31/19 10:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-06 Batch: WG1302870-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	78		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	65		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	116		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	107		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	68		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	128		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	126		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	6		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	130		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	139		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	120		26-160

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/01/19 21:06
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 10/31/19 15:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1303105-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/01/19 21:06
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 10/31/19 15:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1303105-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/01/19 21:06
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 10/31/19 15:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1303105-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	109		10-136
4-Terphenyl-d14	74		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1302765-2 WG1302765-3								
Acenaphthene	82		82		31-137	0		50
1,2,4-Trichlorobenzene	83		77		38-107	8		50
Hexachlorobenzene	95		94		40-140	1		50
Bis(2-chloroethyl)ether	78		74		40-140	5		50
2-Chloronaphthalene	89		86		40-140	3		50
1,2-Dichlorobenzene	78		74		40-140	5		50
1,3-Dichlorobenzene	77		73		40-140	5		50
1,4-Dichlorobenzene	76		71		28-104	7		50
3,3'-Dichlorobenzidine	63		61		40-140	3		50
2,4-Dinitrotoluene	95		94		40-132	1		50
2,6-Dinitrotoluene	96		93		40-140	3		50
Fluoranthene	82		80		40-140	2		50
4-Chlorophenyl phenyl ether	83		84		40-140	1		50
4-Bromophenyl phenyl ether	92		89		40-140	3		50
Bis(2-chloroisopropyl)ether	58		54		40-140	7		50
Bis(2-chloroethoxy)methane	83		77		40-117	8		50
Hexachlorobutadiene	76		76		40-140	0		50
Hexachlorocyclopentadiene	84		82		40-140	2		50
Hexachloroethane	73		69		40-140	6		50
Isophorone	83		78		40-140	6		50
Naphthalene	80		78		40-140	3		50
Nitrobenzene	81		78		40-140	4		50
NDPA/DPA	88		87		36-157	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1302765-2 WG1302765-3								
n-Nitrosodi-n-propylamine	83		78		32-121	6		50
Bis(2-ethylhexyl)phthalate	90		90		40-140	0		50
Butyl benzyl phthalate	86		85		40-140	1		50
Di-n-butylphthalate	84		83		40-140	1		50
Di-n-octylphthalate	93		92		40-140	1		50
Diethyl phthalate	87		88		40-140	1		50
Dimethyl phthalate	87		85		40-140	2		50
Benzo(a)anthracene	83		83		40-140	0		50
Benzo(a)pyrene	87		87		40-140	0		50
Benzo(b)fluoranthene	90		88		40-140	2		50
Benzo(k)fluoranthene	93		94		40-140	1		50
Chrysene	84		86		40-140	2		50
Acenaphthylene	90		89		40-140	1		50
Anthracene	82		80		40-140	2		50
Benzo(ghi)perylene	87		85		40-140	2		50
Fluorene	88		87		40-140	1		50
Phenanthrene	81		78		40-140	4		50
Dibenzo(a,h)anthracene	85		85		40-140	0		50
Indeno(1,2,3-cd)pyrene	86		86		40-140	0		50
Pyrene	80		78		35-142	3		50
Biphenyl	90		87		37-127	3		50
4-Chloroaniline	72		75		40-140	42		50
2-Nitroaniline	96		97		47-134	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1302765-2 WG1302765-3								
3-Nitroaniline	73		71		26-129	3		50
4-Nitroaniline	85		84		41-125	1		50
Dibenzofuran	86		85		40-140	1		50
2-Methylnaphthalene	88		86		40-140	2		50
1,2,4,5-Tetrachlorobenzene	87		85		40-117	2		50
Acetophenone	84		78		14-144	7		50
2,4,6-Trichlorophenol	93		92		30-130	1		50
p-Chloro-m-cresol	97		93		26-103	4		50
2-Chlorophenol	89		81		25-102	9		50
2,4-Dichlorophenol	97		91		30-130	6		50
2,4-Dimethylphenol	98		90		30-130	9		50
2-Nitrophenol	92		85		30-130	8		50
4-Nitrophenol	90		89		11-114	1		50
2,4-Dinitrophenol	62		58		4-130	7		50
4,6-Dinitro-o-cresol	80		78		10-130	3		50
Pentachlorophenol	65		65		17-109	0		50
Phenol	88		84		26-90	5		50
2-Methylphenol	92		87		30-130.	6		50
3-Methylphenol/4-Methylphenol	94		86		30-130	9		50
2,4,5-Trichlorophenol	94		92		30-130	2		50
Benzoic Acid	15		12		10-110	22		50
Benzyl Alcohol	94		86		40-140	9		50
Carbazole	83		82		54-128	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1302765-2 WG1302765-3								
1,4-Dioxane	47		42		40-140	11		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	87		83		25-120
Phenol-d6	91		86		10-120
Nitrobenzene-d5	66		61		23-120
2-Fluorobiphenyl	70		68		30-120
2,4,6-Tribromophenol	99		98		10-136
4-Terphenyl-d14	67		67		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 01-06		Batch: WG1302870-2 WG1302870-3					
Perfluorobutanoic Acid (PFBA)	97		99		71-135	2		30
Perfluoropentanoic Acid (PFPeA)	99		100		69-132	1		30
Perfluorobutanesulfonic Acid (PFBS)	101		99		72-128	2		30
Perfluorohexanoic Acid (PFHxA)	96		98		70-132	2		30
Perfluoroheptanoic Acid (PFHpA)	95		99		71-131	4		30
Perfluorohexanesulfonic Acid (PFHxS)	93		94		67-130	1		30
Perfluorooctanoic Acid (PFOA)	96		97		69-133	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	99		109		64-140	10		30
Perfluoroheptanesulfonic Acid (PFHpS)	98		97		70-132	1		30
Perfluorononanoic Acid (PFNA)	95		98		72-129	3		30
Perfluorooctanesulfonic Acid (PFOS)	96		84		68-136	13		30
Perfluorodecanoic Acid (PFDA)	94		97		69-133	3		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	131		**152**	Q	65-137	15		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	95		112		63-144	16		30
Perfluoroundecanoic Acid (PFUnA)	91		99		64-136	8		30
Perfluorodecanesulfonic Acid (PFDS)	101		97		59-134	4		30
Perfluorooctanesulfonamide (FOSA)	75		77		67-137	3		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	94		89		61-139	5		30
Perfluorododecanoic Acid (PFDoA)	97		102		69-135	5		30
Perfluorotridecanoic Acid (PFTrDA)	116		114		66-139	2		30
Perfluorotetradecanoic Acid (PFTA)	98		100		69-133	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 Batch: WG1302870-2 WG1302870-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	87		86		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	69		68		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		110		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		69		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		88		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		111		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		98		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	65		69		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	108		109		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		114		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		102		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	55		61		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	111		110		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	115		112		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	2		2		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	117		116		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	120		122		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	112		106		26-160

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1303105-2 WG1303105-3								
Acenaphthene	80		86		31-137	7		50
1,2,4-Trichlorobenzene	77		82		38-107	6		50
Hexachlorobenzene	92		97		40-140	5		50
Bis(2-chloroethyl)ether	68		71		40-140	4		50
2-Chloronaphthalene	84		88		40-140	5		50
1,2-Dichlorobenzene	74		79		40-140	7		50
1,3-Dichlorobenzene	72		79		40-140	9		50
1,4-Dichlorobenzene	72		76		28-104	5		50
3,3'-Dichlorobenzidine	60		66		40-140	10		50
2,4-Dinitrotoluene	90		93		40-132	3		50
2,6-Dinitrotoluene	92		95		40-140	3		50
Fluoranthene	82		89		40-140	8		50
4-Chlorophenyl phenyl ether	80		88		40-140	10		50
4-Bromophenyl phenyl ether	88		93		40-140	6		50
Bis(2-chloroisopropyl)ether	48		51		40-140	6		50
Bis(2-chloroethoxy)methane	66		71		40-117	7		50
Hexachlorobutadiene	79		85		40-140	7		50
Hexachlorocyclopentadiene	80		82		40-140	2		50
Hexachloroethane	70		74		40-140	6		50
Isophorone	70		72		40-140	3		50
Naphthalene	76		84		40-140	10		50
Nitrobenzene	71		75		40-140	5		50
NDPA/DPA	86		91		36-157	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1303105-2 WG1303105-3								
n-Nitrosodi-n-propylamine	67		72		32-121	7		50
Bis(2-ethylhexyl)phthalate	93		94		40-140	1		50
Butyl benzyl phthalate	84		88		40-140	5		50
Di-n-butylphthalate	84		88		40-140	5		50
Di-n-octylphthalate	94		96		40-140	2		50
Diethyl phthalate	84		88		40-140	5		50
Dimethyl phthalate	84		88		40-140	5		50
Benzo(a)anthracene	86		89		40-140	3		50
Benzo(a)pyrene	90		97		40-140	7		50
Benzo(b)fluoranthene	92		102		40-140	10		50
Benzo(k)fluoranthene	93		98		40-140	5		50
Chrysene	88		91		40-140	3		50
Acenaphthylene	88		90		40-140	2		50
Anthracene	82		88		40-140	7		50
Benzo(ghi)perylene	88		94		40-140	7		50
Fluorene	85		91		40-140	7		50
Phenanthrene	81		84		40-140	4		50
Dibenzo(a,h)anthracene	86		92		40-140	7		50
Indeno(1,2,3-cd)pyrene	87		95		40-140	9		50
Pyrene	80		85		35-142	6		50
Biphenyl	86		89		37-127	3		50
4-Chloroaniline	62		62		40-140	0		50
2-Nitroaniline	90		95		47-134	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1303105-2 WG1303105-3								
3-Nitroaniline	68		75		26-129	10		50
4-Nitroaniline	80		84		41-125	5		50
Dibenzofuran	82		89		40-140	8		50
2-Methylnaphthalene	84		89		40-140	6		50
1,2,4,5-Tetrachlorobenzene	83		86		40-117	4		50
Acetophenone	72		77		14-144	7		50
2,4,6-Trichlorophenol	92		95		30-130	3		50
p-Chloro-m-cresol	92		95		26-103	3		50
2-Chlorophenol	80		85		25-102	6		50
2,4-Dichlorophenol	86		92		30-130	7		50
2,4-Dimethylphenol	85		88		30-130	3		50
2-Nitrophenol	79		84		30-130	6		50
4-Nitrophenol	84		87		11-114	4		50
2,4-Dinitrophenol	35		37		4-130	6		50
4,6-Dinitro-o-cresol	76		83		10-130	9		50
Pentachlorophenol	74		75		17-109	1		50
Phenol	77		82		26-90	6		50
2-Methylphenol	83		86		30-130.	4		50
3-Methylphenol/4-Methylphenol	86		93		30-130	8		50
2,4,5-Trichlorophenol	92		96		30-130	4		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	79		83		40-140	5		50
Carbazole	84		89		54-128	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1303105-2 WG1303105-3								
1,4-Dioxane	43		48		40-140	11		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		83		25-120
Phenol-d6	78		83		10-120
Nitrobenzene-d5	56		59		23-120
2-Fluorobiphenyl	66		68		30-120
2,4,6-Tribromophenol	101		105		10-136
4-Terphenyl-d14	67		72		18-120

PCBS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/31/19 08:31
Analyst: KB
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 01:48
Cleanup Method: EPA 3665A
Cleanup Date: 10/31/19
Cleanup Method: EPA 3660B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.9	3.63	1	A
Aroclor 1221	ND		ug/kg	40.9	4.10	1	A
Aroclor 1232	ND		ug/kg	40.9	8.67	1	A
Aroclor 1242	ND		ug/kg	40.9	5.51	1	A
Aroclor 1248	ND		ug/kg	40.9	6.14	1	A
Aroclor 1254	ND		ug/kg	40.9	4.48	1	A
Aroclor 1260	ND		ug/kg	40.9	7.56	1	A
Aroclor 1262	ND		ug/kg	40.9	5.20	1	A
Aroclor 1268	ND		ug/kg	40.9	4.24	1	A
PCBs, Total	ND		ug/kg	40.9	3.63	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/31/19 08:43
Analyst: KB
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 01:48
Cleanup Method: EPA 3665A
Cleanup Date: 10/31/19
Cleanup Method: EPA 3660B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.9	3.18	1	A
Aroclor 1221	ND		ug/kg	35.9	3.59	1	A
Aroclor 1232	ND		ug/kg	35.9	7.60	1	A
Aroclor 1242	ND		ug/kg	35.9	4.84	1	A
Aroclor 1248	ND		ug/kg	35.9	5.38	1	A
Aroclor 1254	ND		ug/kg	35.9	3.92	1	A
Aroclor 1260	ND		ug/kg	35.9	6.63	1	A
Aroclor 1262	ND		ug/kg	35.9	4.56	1	A
Aroclor 1268	ND		ug/kg	35.9	3.72	1	A
PCBs, Total	ND		ug/kg	35.9	3.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/31/19 08:54
Analyst: KB
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 01:48
Cleanup Method: EPA 3665A
Cleanup Date: 10/31/19
Cleanup Method: EPA 3660B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.5	3.24	1	A
Aroclor 1221	ND		ug/kg	36.5	3.65	1	A
Aroclor 1232	ND		ug/kg	36.5	7.73	1	A
Aroclor 1242	ND		ug/kg	36.5	4.92	1	A
Aroclor 1248	ND		ug/kg	36.5	5.47	1	A
Aroclor 1254	ND		ug/kg	36.5	3.99	1	A
Aroclor 1260	ND		ug/kg	36.5	6.74	1	A
Aroclor 1262	ND		ug/kg	36.5	4.63	1	A
Aroclor 1268	ND		ug/kg	36.5	3.78	1	A
PCBs, Total	ND		ug/kg	36.5	3.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/31/19 09:06
Analyst: KB
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 10/31/19
Cleanup Method: EPA 3660B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	3.36	1	A
Aroclor 1221	ND		ug/kg	37.8	3.79	1	A
Aroclor 1232	ND		ug/kg	37.8	8.02	1	A
Aroclor 1242	ND		ug/kg	37.8	5.10	1	A
Aroclor 1248	ND		ug/kg	37.8	5.67	1	A
Aroclor 1254	ND		ug/kg	37.8	4.14	1	A
Aroclor 1260	ND		ug/kg	37.8	6.99	1	A
Aroclor 1262	ND		ug/kg	37.8	4.80	1	A
Aroclor 1268	ND		ug/kg	37.8	3.92	1	A
PCBs, Total	ND		ug/kg	37.8	3.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/31/19 09:18
Analyst: KB
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 10/31/19
Cleanup Method: EPA 3660B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.2	3.22	1	A
Aroclor 1221	ND		ug/kg	36.2	3.63	1	A
Aroclor 1232	ND		ug/kg	36.2	7.68	1	A
Aroclor 1242	ND		ug/kg	36.2	4.89	1	A
Aroclor 1248	ND		ug/kg	36.2	5.44	1	A
Aroclor 1254	ND		ug/kg	36.2	3.97	1	A
Aroclor 1260	ND		ug/kg	36.2	6.70	1	A
Aroclor 1262	ND		ug/kg	36.2	4.60	1	A
Aroclor 1268	ND		ug/kg	36.2	3.76	1	A
PCBs, Total	ND		ug/kg	36.2	3.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/31/19 09:30
Analyst: KB
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 10/31/19
Cleanup Method: EPA 3660B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.2	3.04	1	A
Aroclor 1221	ND		ug/kg	34.2	3.43	1	A
Aroclor 1232	ND		ug/kg	34.2	7.26	1	A
Aroclor 1242	ND		ug/kg	34.2	4.62	1	A
Aroclor 1248	ND		ug/kg	34.2	5.14	1	A
Aroclor 1254	ND		ug/kg	34.2	3.75	1	A
Aroclor 1260	111		ug/kg	34.2	6.33	1	B
Aroclor 1262	ND		ug/kg	34.2	4.35	1	A
Aroclor 1268	ND		ug/kg	34.2	3.55	1	A
PCBs, Total	111		ug/kg	34.2	3.04	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-07
Client ID: WC-B2 (0'-5') COMP
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:45
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/31/19 09:42
Analyst: KB
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 10/31/19
Cleanup Method: EPA 3660B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	3.33	1	A
Aroclor 1221	ND		ug/kg	37.5	3.76	1	A
Aroclor 1232	ND		ug/kg	37.5	7.94	1	A
Aroclor 1242	ND		ug/kg	37.5	5.05	1	A
Aroclor 1248	ND		ug/kg	37.5	5.62	1	A
Aroclor 1254	ND		ug/kg	37.5	4.10	1	A
Aroclor 1260	ND		ug/kg	37.5	6.92	1	A
Aroclor 1262	ND		ug/kg	37.5	4.76	1	A
Aroclor 1268	ND		ug/kg	37.5	3.88	1	A
PCBs, Total	ND		ug/kg	37.5	3.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-09
Client ID: WC-B2-(5'-10')-COMP
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/31/19 09:53
Analyst: KB
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 10/31/19
Cleanup Method: EPA 3660B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.0	3.02	1	A
Aroclor 1221	ND		ug/kg	34.0	3.41	1	A
Aroclor 1232	ND		ug/kg	34.0	7.22	1	A
Aroclor 1242	ND		ug/kg	34.0	4.59	1	A
Aroclor 1248	ND		ug/kg	34.0	5.11	1	A
Aroclor 1254	ND		ug/kg	34.0	3.72	1	A
Aroclor 1260	ND		ug/kg	34.0	6.29	1	A
Aroclor 1262	ND		ug/kg	34.0	4.32	1	A
Aroclor 1268	ND		ug/kg	34.0	3.53	1	A
PCBs, Total	ND		ug/kg	34.0	3.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/31/19 07:55
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 10/30/19 22:27
Cleanup Method: EPA 3665A
Cleanup Date: 10/31/19
Cleanup Method: EPA 3660B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-07,09 Batch: WG1302705-1						
Aroclor 1016	ND		ug/kg	32.4	2.88	A
Aroclor 1221	ND		ug/kg	32.4	3.25	A
Aroclor 1232	ND		ug/kg	32.4	6.87	A
Aroclor 1242	ND		ug/kg	32.4	4.37	A
Aroclor 1248	ND		ug/kg	32.4	4.86	A
Aroclor 1254	ND		ug/kg	32.4	3.55	A
Aroclor 1260	ND		ug/kg	32.4	5.99	A
Aroclor 1262	ND		ug/kg	32.4	4.12	A
Aroclor 1268	ND		ug/kg	32.4	3.36	A
PCBs, Total	ND		ug/kg	32.4	2.88	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	67		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07,09 Batch: WG1302705-2 WG1302705-3									
Aroclor 1016	83		89		40-140	7		50	A
Aroclor 1260	89		92		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		68		30-150	A
Decachlorobiphenyl	62		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		64		30-150	B
Decachlorobiphenyl	68		68		30-150	B

PESTICIDES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/31/19 10:18
Analyst: BM
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.95	0.382	1	A
Lindane	ND		ug/kg	0.813	0.364	1	A
Alpha-BHC	ND		ug/kg	0.813	0.231	1	A
Beta-BHC	ND		ug/kg	1.95	0.740	1	A
Heptachlor	ND		ug/kg	0.976	0.438	1	A
Aldrin	ND		ug/kg	1.95	0.687	1	A
Heptachlor epoxide	ND		ug/kg	3.66	1.10	1	A
Endrin	ND		ug/kg	0.813	0.334	1	A
Endrin aldehyde	ND		ug/kg	2.44	0.854	1	A
Endrin ketone	ND		ug/kg	1.95	0.503	1	A
Dieldrin	ND		ug/kg	1.22	0.610	1	A
4,4'-DDE	ND		ug/kg	1.95	0.451	1	A
4,4'-DDD	ND		ug/kg	1.95	0.696	1	A
4,4'-DDT	ND		ug/kg	3.66	1.57	1	A
Endosulfan I	ND		ug/kg	1.95	0.461	1	A
Endosulfan II	ND		ug/kg	1.95	0.652	1	A
Endosulfan sulfate	ND		ug/kg	0.813	0.387	1	A
Methoxychlor	ND		ug/kg	3.66	1.14	1	A
Toxaphene	ND		ug/kg	36.6	10.2	1	A
cis-Chlordane	ND		ug/kg	2.44	0.680	1	A
trans-Chlordane	ND		ug/kg	2.44	0.644	1	A
Chlordane	ND		ug/kg	15.9	6.47	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	71		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	65		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/31/19 10:31
Analyst: BM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.341	1	A
Lindane	ND		ug/kg	0.725	0.324	1	A
Alpha-BHC	ND		ug/kg	0.725	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.660	1	A
Heptachlor	ND		ug/kg	0.870	0.390	1	A
Aldrin	ND		ug/kg	1.74	0.612	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.978	1	A
Endrin	ND		ug/kg	0.725	0.297	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.761	1	A
Endrin ketone	ND		ug/kg	1.74	0.448	1	A
Dieldrin	ND		ug/kg	1.09	0.544	1	A
4,4'-DDE	ND		ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.620	1	A
4,4'-DDT	ND		ug/kg	3.26	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.411	1	A
Endosulfan II	ND		ug/kg	1.74	0.581	1	A
Endosulfan sulfate	ND		ug/kg	0.725	0.345	1	A
Methoxychlor	ND		ug/kg	3.26	1.01	1	A
Toxaphene	ND		ug/kg	32.6	9.13	1	A
cis-Chlordane	ND		ug/kg	2.17	0.606	1	A
trans-Chlordane	ND		ug/kg	2.17	0.574	1	A
Chlordane	ND		ug/kg	14.1	5.76	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	70		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/31/19 10:44
Analyst: BM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.340	1	A
Lindane	ND		ug/kg	0.725	0.324	1	A
Alpha-BHC	ND		ug/kg	0.725	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.659	1	A
Heptachlor	ND		ug/kg	0.870	0.390	1	A
Aldrin	ND		ug/kg	1.74	0.612	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.978	1	A
Endrin	ND		ug/kg	0.725	0.297	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.761	1	A
Endrin ketone	ND		ug/kg	1.74	0.448	1	A
Dieldrin	ND		ug/kg	1.09	0.543	1	A
4,4'-DDE	ND		ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.620	1	A
4,4'-DDT	ND		ug/kg	3.26	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.411	1	A
Endosulfan II	ND		ug/kg	1.74	0.581	1	A
Endosulfan sulfate	ND		ug/kg	0.725	0.345	1	A
Methoxychlor	ND		ug/kg	3.26	1.01	1	A
Toxaphene	ND		ug/kg	32.6	9.13	1	A
cis-Chlordane	ND		ug/kg	2.17	0.606	1	A
trans-Chlordane	ND		ug/kg	2.17	0.574	1	A
Chlordane	ND		ug/kg	14.1	5.76	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	71		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/31/19 10:57
Analyst: BM
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.343	1	A
Lindane	ND		ug/kg	0.731	0.327	1	A
Alpha-BHC	ND		ug/kg	0.731	0.208	1	A
Beta-BHC	ND		ug/kg	1.75	0.665	1	A
Heptachlor	ND		ug/kg	0.877	0.393	1	A
Aldrin	ND		ug/kg	1.75	0.617	1	A
Heptachlor epoxide	ND		ug/kg	3.29	0.986	1	A
Endrin	ND		ug/kg	0.731	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.19	0.767	1	A
Endrin ketone	ND		ug/kg	1.75	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.548	1	A
4,4'-DDE	ND		ug/kg	1.75	0.406	1	A
4,4'-DDD	ND		ug/kg	1.75	0.625	1	A
4,4'-DDT	ND		ug/kg	3.29	1.41	1	A
Endosulfan I	ND		ug/kg	1.75	0.414	1	A
Endosulfan II	ND		ug/kg	1.75	0.586	1	A
Endosulfan sulfate	ND		ug/kg	0.731	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.21	1	A
cis-Chlordane	ND		ug/kg	2.19	0.611	1	A
trans-Chlordane	ND		ug/kg	2.19	0.579	1	A
Chlordane	ND		ug/kg	14.2	5.81	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	76		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/31/19 11:10
Analyst: BM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.334	1	A
Lindane	ND		ug/kg	0.711	0.318	1	A
Alpha-BHC	ND		ug/kg	0.711	0.202	1	A
Beta-BHC	ND		ug/kg	1.70	0.647	1	A
Heptachlor	ND		ug/kg	0.853	0.382	1	A
Aldrin	ND		ug/kg	1.70	0.600	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.960	1	A
Endrin	ND		ug/kg	0.711	0.291	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.746	1	A
Endrin ketone	ND		ug/kg	1.70	0.439	1	A
Dieldrin	ND		ug/kg	1.07	0.533	1	A
4,4'-DDE	ND		ug/kg	1.70	0.394	1	A
4,4'-DDD	ND		ug/kg	1.70	0.608	1	A
4,4'-DDT	ND		ug/kg	3.20	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.403	1	A
Endosulfan II	ND		ug/kg	1.70	0.570	1	A
Endosulfan sulfate	ND		ug/kg	0.711	0.338	1	A
Methoxychlor	ND		ug/kg	3.20	0.995	1	A
Toxaphene	ND		ug/kg	32.0	8.96	1	A
cis-Chlordane	ND		ug/kg	2.13	0.594	1	A
trans-Chlordane	ND		ug/kg	2.13	0.563	1	A
Chlordane	ND		ug/kg	13.8	5.65	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	73		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	67		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/31/19 13:21
Analyst: BM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.332	1	A
Lindane	ND		ug/kg	0.706	0.316	1	A
Alpha-BHC	ND		ug/kg	0.706	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.643	1	A
Heptachlor	ND		ug/kg	0.847	0.380	1	A
Aldrin	ND		ug/kg	1.69	0.597	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.953	1	A
Endrin	ND		ug/kg	0.706	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.741	1	A
Endrin ketone	ND		ug/kg	1.69	0.436	1	A
Dieldrin	ND		ug/kg	1.06	0.530	1	A
4,4'-DDE	ND		ug/kg	1.69	0.392	1	A
4,4'-DDD	ND		ug/kg	1.69	0.604	1	A
4,4'-DDT	ND		ug/kg	3.18	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.400	1	A
Endosulfan II	ND		ug/kg	1.69	0.566	1	A
Endosulfan sulfate	ND		ug/kg	0.706	0.336	1	A
Methoxychlor	ND		ug/kg	3.18	0.989	1	A
Toxaphene	ND		ug/kg	31.8	8.90	1	A
cis-Chlordane	ND		ug/kg	2.12	0.590	1	A
trans-Chlordane	ND		ug/kg	2.12	0.559	1	A
Chlordane	ND		ug/kg	13.8	5.61	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	51		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	66		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-07
Client ID: WC-B2 (0'-5') COMP
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:45
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/31/19 12:23
Analyst: BM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.350	1	A
Lindane	ND		ug/kg	0.746	0.333	1	A
Alpha-BHC	ND		ug/kg	0.746	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.678	1	A
Heptachlor	ND		ug/kg	0.895	0.401	1	A
Aldrin	ND		ug/kg	1.79	0.630	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.746	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.783	1	A
Endrin ketone	ND		ug/kg	1.79	0.461	1	A
Dieldrin	ND		ug/kg	1.12	0.559	1	A
4,4'-DDE	ND		ug/kg	1.79	0.414	1	A
4,4'-DDD	ND		ug/kg	1.79	0.638	1	A
4,4'-DDT	ND		ug/kg	3.36	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.423	1	A
Endosulfan II	ND		ug/kg	1.79	0.598	1	A
Endosulfan sulfate	ND		ug/kg	0.746	0.355	1	A
Methoxychlor	ND		ug/kg	3.36	1.04	1	A
Toxaphene	ND		ug/kg	33.6	9.40	1	A
cis-Chlordane	ND		ug/kg	2.24	0.623	1	A
trans-Chlordane	ND		ug/kg	2.24	0.590	1	A
Chlordane	ND		ug/kg	14.5	5.93	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-07
Client ID: WC-B2 (0'-5') COMP
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:45
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	70		30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	63		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-09
Client ID: WC-B2-(5'-10')-COMP
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/31/19 12:36
Analyst: BM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.716	0.320	1	A
Alpha-BHC	ND		ug/kg	0.716	0.203	1	A
Beta-BHC	ND		ug/kg	1.72	0.652	1	A
Heptachlor	ND		ug/kg	0.859	0.385	1	A
Aldrin	ND		ug/kg	1.72	0.605	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.967	1	A
Endrin	ND		ug/kg	0.716	0.294	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.752	1	A
Endrin ketone	ND		ug/kg	1.72	0.443	1	A
Dieldrin	ND		ug/kg	1.07	0.537	1	A
4,4'-DDE	ND		ug/kg	1.72	0.397	1	A
4,4'-DDD	ND		ug/kg	1.72	0.613	1	A
4,4'-DDT	ND		ug/kg	3.22	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.406	1	A
Endosulfan II	ND		ug/kg	1.72	0.574	1	A
Endosulfan sulfate	ND		ug/kg	0.716	0.341	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
Toxaphene	ND		ug/kg	32.2	9.02	1	A
cis-Chlordane	ND		ug/kg	2.15	0.599	1	A
trans-Chlordane	ND		ug/kg	2.15	0.567	1	A
Chlordane	ND		ug/kg	14.0	5.69	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-09
Client ID: WC-B2-(5'-10')-COMP
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	72		30-150	A

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/31/19 09:40
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07,09 Batch: WG1302782-1						
Delta-BHC	ND		ug/kg	1.58	0.309	A
Lindane	ND		ug/kg	0.658	0.294	A
Alpha-BHC	ND		ug/kg	0.658	0.187	A
Beta-BHC	ND		ug/kg	1.58	0.599	A
Heptachlor	ND		ug/kg	0.790	0.354	A
Aldrin	ND		ug/kg	1.58	0.556	A
Heptachlor epoxide	ND		ug/kg	2.96	0.889	A
Endrin	ND		ug/kg	0.658	0.270	A
Endrin aldehyde	ND		ug/kg	1.97	0.691	A
Endrin ketone	ND		ug/kg	1.58	0.407	A
Dieldrin	ND		ug/kg	0.987	0.494	A
4,4'-DDE	ND		ug/kg	1.58	0.365	A
4,4'-DDD	ND		ug/kg	1.58	0.564	A
4,4'-DDT	ND		ug/kg	2.96	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.373	A
Endosulfan II	ND		ug/kg	1.58	0.528	A
Endosulfan sulfate	ND		ug/kg	0.658	0.313	A
Methoxychlor	ND		ug/kg	2.96	0.922	A
Toxaphene	ND		ug/kg	29.6	8.29	A
cis-Chlordane	ND		ug/kg	1.97	0.550	A
trans-Chlordane	ND		ug/kg	1.97	0.521	A
Chlordane	ND		ug/kg	12.8	5.23	A

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/31/19 09:40
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 10/31/19 02:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07,09 Batch: WG1302782-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	79		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	70		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07,09 Batch: WG1302782-2 WG1302782-3									
Delta-BHC	100		92		30-150	8		30	A
Lindane	101		89		30-150	13		30	A
Alpha-BHC	105		94		30-150	11		30	A
Beta-BHC	90		80		30-150	12		30	A
Heptachlor	101		88		30-150	14		30	A
Aldrin	104		93		30-150	11		30	A
Heptachlor epoxide	106		93		30-150	13		30	A
Endrin	102		91		30-150	11		30	A
Endrin aldehyde	76		74		30-150	3		30	A
Endrin ketone	89		86		30-150	3		30	A
Dieldrin	108		98		30-150	10		30	A
4,4'-DDE	106		96		30-150	10		30	A
4,4'-DDD	104		93		30-150	11		30	A
4,4'-DDT	105		92		30-150	13		30	A
Endosulfan I	97		87		30-150	11		30	A
Endosulfan II	99		89		30-150	11		30	A
Endosulfan sulfate	76		74		30-150	3		30	A
Methoxychlor	92		82		30-150	11		30	A
cis-Chlordane	89		82		30-150	8		30	A
trans-Chlordane	72		64		30-150	12		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07,09 Batch: WG1302782-2 WG1302782-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		76		30-150	B
Decachlorobiphenyl	87		83		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		79		30-150	A
Decachlorobiphenyl	79		73		30-150	A

METALS

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12400		mg/kg	9.84	2.66	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.92	0.374	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.984	0.205	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Barium, Total	58.0		mg/kg	0.984	0.171	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Beryllium, Total	0.344	J	mg/kg	0.492	0.033	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Cadmium, Total	0.266	J	mg/kg	0.984	0.096	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Calcium, Total	1040		mg/kg	9.84	3.44	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Chromium, Total	126		mg/kg	0.984	0.095	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Cobalt, Total	13.4		mg/kg	1.97	0.163	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Copper, Total	118		mg/kg	0.984	0.254	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Iron, Total	29100		mg/kg	4.92	0.889	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Lead, Total	6.72		mg/kg	4.92	0.264	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Magnesium, Total	6100		mg/kg	9.84	1.52	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Manganese, Total	213		mg/kg	0.984	0.156	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Mercury, Total	0.053	J	mg/kg	0.080	0.052	1	10/31/19 07:30	10/31/19 10:50	EPA 7471B	1,7471B	GD
Nickel, Total	136		mg/kg	2.46	0.238	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Potassium, Total	1990		mg/kg	246	14.2	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.97	0.254	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.984	0.278	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Sodium, Total	3550		mg/kg	197	3.10	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.97	0.310	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Vanadium, Total	41.8		mg/kg	0.984	0.200	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC
Zinc, Total	31.2		mg/kg	4.92	0.288	2	10/31/19 07:00	10/31/19 11:20	EPA 3050B	1,6010D	LC

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17000		mg/kg	8.73	2.36	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.37	0.332	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.873	0.182	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Barium, Total	254		mg/kg	0.873	0.152	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.437	0.029	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Cadmium, Total	0.332	J	mg/kg	0.873	0.086	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Calcium, Total	913		mg/kg	8.73	3.06	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Chromium, Total	64.8		mg/kg	0.873	0.084	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Cobalt, Total	13.5		mg/kg	1.75	0.145	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Copper, Total	63.8		mg/kg	0.873	0.225	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Iron, Total	31200		mg/kg	4.37	0.788	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Lead, Total	6.18		mg/kg	4.37	0.234	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Magnesium, Total	6790		mg/kg	8.73	1.34	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Manganese, Total	315		mg/kg	0.873	0.139	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Mercury, Total	0.208		mg/kg	0.071	0.046	1	10/31/19 07:30	10/31/19 11:03	EPA 7471B	1,7471B	GD
Nickel, Total	160		mg/kg	2.18	0.211	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Potassium, Total	11500		mg/kg	218	12.6	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.75	0.225	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.873	0.247	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Sodium, Total	966		mg/kg	175	2.75	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.75	0.275	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Vanadium, Total	66.5		mg/kg	0.873	0.177	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC
Zinc, Total	77.6		mg/kg	4.37	0.256	2	10/31/19 07:00	10/31/19 12:10	EPA 3050B	1,6010D	LC

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12000		mg/kg	8.73	2.36	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.36	0.332	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Arsenic, Total	0.192	J	mg/kg	0.873	0.182	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Barium, Total	85.2		mg/kg	0.873	0.152	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.436	0.029	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Cadmium, Total	0.358	J	mg/kg	0.873	0.086	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Calcium, Total	473		mg/kg	8.73	3.06	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Chromium, Total	22.8		mg/kg	0.873	0.084	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Cobalt, Total	10.7		mg/kg	1.74	0.145	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Copper, Total	172		mg/kg	0.873	0.225	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Iron, Total	17600		mg/kg	4.36	0.788	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Lead, Total	6.26		mg/kg	4.36	0.234	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Magnesium, Total	3000		mg/kg	8.73	1.34	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Manganese, Total	376		mg/kg	0.873	0.139	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.071	0.046	1	10/31/19 07:30	10/31/19 11:06	EPA 7471B	1,7471B	GD
Nickel, Total	249		mg/kg	2.18	0.211	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Potassium, Total	3410		mg/kg	218	12.6	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.74	0.225	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.873	0.247	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Sodium, Total	235		mg/kg	174	2.75	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.74	0.275	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Vanadium, Total	29.7		mg/kg	0.873	0.177	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC
Zinc, Total	50.2		mg/kg	4.36	0.256	2	10/31/19 07:00	10/31/19 12:15	EPA 3050B	1,6010D	LC

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12200		mg/kg	8.96	2.42	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.48	0.340	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.896	0.186	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Barium, Total	109		mg/kg	0.896	0.156	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.448	0.030	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Cadmium, Total	0.296	J	mg/kg	0.896	0.088	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Calcium, Total	773		mg/kg	8.96	3.14	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Chromium, Total	78.0		mg/kg	0.896	0.086	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Cobalt, Total	12.8		mg/kg	1.79	0.149	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Copper, Total	121		mg/kg	0.896	0.231	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Iron, Total	21600		mg/kg	4.48	0.809	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Lead, Total	4.25	J	mg/kg	4.48	0.240	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Magnesium, Total	5410		mg/kg	8.96	1.38	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Manganese, Total	405		mg/kg	0.896	0.142	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.073	0.048	1	10/31/19 07:30	10/31/19 11:09	EPA 7471B	1,7471B	GD
Nickel, Total	233		mg/kg	2.24	0.217	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Potassium, Total	5110		mg/kg	224	12.9	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Selenium, Total	0.269	J	mg/kg	1.79	0.231	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.896	0.254	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Sodium, Total	631		mg/kg	179	2.82	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.79	0.282	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Vanadium, Total	34.6		mg/kg	0.896	0.182	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC
Zinc, Total	64.6		mg/kg	4.48	0.262	2	10/31/19 07:00	10/31/19 12:19	EPA 3050B	1,6010D	LC

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8360		mg/kg	8.72	2.36	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.36	0.331	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Arsenic, Total	3.43		mg/kg	0.872	0.181	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Barium, Total	117		mg/kg	0.872	0.152	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Beryllium, Total	0.096	J	mg/kg	0.436	0.029	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Cadmium, Total	1.13		mg/kg	0.872	0.086	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Calcium, Total	2640		mg/kg	8.72	3.05	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Chromium, Total	72.8		mg/kg	0.872	0.084	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Cobalt, Total	13.2		mg/kg	1.74	0.145	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Copper, Total	384		mg/kg	0.872	0.225	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Iron, Total	14100		mg/kg	4.36	0.788	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Lead, Total	102		mg/kg	4.36	0.234	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Magnesium, Total	2350		mg/kg	8.72	1.34	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Manganese, Total	276		mg/kg	0.872	0.139	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Mercury, Total	0.555		mg/kg	0.070	0.046	1	10/31/19 07:30	10/31/19 11:19	EPA 7471B	1,7471B	GD
Nickel, Total	1600		mg/kg	2.18	0.211	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Potassium, Total	1630		mg/kg	218	12.6	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Selenium, Total	0.384	J	mg/kg	1.74	0.225	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.872	0.247	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Sodium, Total	175		mg/kg	174	2.75	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.74	0.275	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Vanadium, Total	27.3		mg/kg	0.872	0.177	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC
Zinc, Total	182		mg/kg	4.36	0.256	2	10/31/19 07:00	10/31/19 12:24	EPA 3050B	1,6010D	LC

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	21800		mg/kg	8.49	2.29	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.24	0.323	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.849	0.177	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Barium, Total	162		mg/kg	0.849	0.148	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.424	0.028	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Cadmium, Total	0.577	J	mg/kg	0.849	0.083	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Calcium, Total	578		mg/kg	8.49	2.97	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Chromium, Total	84.2		mg/kg	0.849	0.082	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Cobalt, Total	18.2		mg/kg	1.70	0.141	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Copper, Total	396		mg/kg	0.849	0.219	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Iron, Total	37700		mg/kg	4.24	0.767	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Lead, Total	24.4		mg/kg	4.24	0.228	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Magnesium, Total	9780		mg/kg	8.49	1.31	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Manganese, Total	287		mg/kg	0.849	0.135	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.070	0.045	1	10/31/19 07:30	10/31/19 11:23	EPA 7471B	1,7471B	GD
Nickel, Total	377		mg/kg	2.12	0.205	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Potassium, Total	13400		mg/kg	212	12.2	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.70	0.219	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.849	0.240	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Sodium, Total	342		mg/kg	170	2.67	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.70	0.267	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Vanadium, Total	70.4		mg/kg	0.849	0.172	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC
Zinc, Total	160		mg/kg	4.24	0.249	2	10/31/19 07:00	10/31/19 12:29	EPA 3050B	1,6010D	LC

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-07
Client ID: WC-B2 (0'-5') COMP
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:45
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	20100		mg/kg	8.79	2.37	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.39	0.334	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.879	0.183	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Barium, Total	149		mg/kg	0.879	0.153	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.439	0.029	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Cadmium, Total	0.466	J	mg/kg	0.879	0.086	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Calcium, Total	1040		mg/kg	8.79	3.08	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Chromium, Total	67.8		mg/kg	0.879	0.084	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Cobalt, Total	19.0		mg/kg	1.76	0.146	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Copper, Total	174		mg/kg	0.879	0.227	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Iron, Total	28300		mg/kg	4.39	0.794	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Lead, Total	21.3		mg/kg	4.39	0.236	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Magnesium, Total	9750		mg/kg	8.79	1.35	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Manganese, Total	399		mg/kg	0.879	0.140	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Mercury, Total	0.092		mg/kg	0.072	0.047	1	10/31/19 07:30	10/31/19 11:36	EPA 7471B	1,7471B	GD
Nickel, Total	331		mg/kg	2.20	0.213	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Potassium, Total	6010		mg/kg	220	12.6	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.76	0.227	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.879	0.249	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Sodium, Total	1610		mg/kg	176	2.77	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.76	0.277	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Vanadium, Total	48.1		mg/kg	0.879	0.178	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC
Zinc, Total	103		mg/kg	4.39	0.257	2	10/31/19 07:00	10/31/19 16:06	EPA 3050B	1,6010D	LC

Project Name: 33 CENTRE AVE
Lab Number: L1951248
Project Number: 10567
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-09
Client ID: WC-B2-(5'-10')-COMP
Sample Location: NEW ROCHELLE, NY
Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17600		mg/kg	8.25	2.23	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.12	0.314	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Arsenic, Total	ND		mg/kg	2.06	0.429	5	10/31/19 07:00	11/03/19 09:53	EPA 3050B	1,6010D	PE
Barium, Total	211		mg/kg	0.825	0.144	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.412	0.027	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Cadmium, Total	0.264	J	mg/kg	0.825	0.081	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Calcium, Total	625		mg/kg	8.25	2.89	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Chromium, Total	69.7		mg/kg	0.825	0.079	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Cobalt, Total	15.7		mg/kg	1.65	0.137	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Copper, Total	81.5		mg/kg	0.825	0.213	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Iron, Total	28700		mg/kg	4.12	0.745	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Lead, Total	5.27		mg/kg	4.12	0.221	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Magnesium, Total	8750		mg/kg	8.25	1.27	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Manganese, Total	387		mg/kg	0.825	0.131	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.068	0.044	1	10/31/19 07:30	10/31/19 11:39	EPA 7471B	1,7471B	GD
Nickel, Total	139		mg/kg	2.06	0.200	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Potassium, Total	10700		mg/kg	206	11.9	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.65	0.213	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.825	0.233	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Sodium, Total	1170		mg/kg	165	2.60	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.65	0.260	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Vanadium, Total	49.1		mg/kg	0.825	0.167	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC
Zinc, Total	77.0		mg/kg	4.12	0.242	2	10/31/19 07:00	10/31/19 16:10	EPA 3050B	1,6010D	LC

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07,09 Batch: WG1302826-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Iron, Total	0.444	J	mg/kg	2.00	0.361	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Manganese, Total	0.108	J	mg/kg	0.400	0.064	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Sodium, Total	2.41	J	mg/kg	80.0	1.26	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/31/19 07:00	10/31/19 11:11	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07,09 Batch: WG1302850-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/31/19 07:30	10/31/19 10:43	1,7471B	GD

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07,09 Batch: WG1302826-2 SRM Lot Number: D105-540								
Aluminum, Total	55		-		51-149	-		
Antimony, Total	148		-		19-249	-		
Arsenic, Total	103		-		70-130	-		
Barium, Total	82		-		75-125	-		
Beryllium, Total	84		-		75-125	-		
Cadmium, Total	92		-		75-125	-		
Calcium, Total	80		-		73-127	-		
Chromium, Total	86		-		70-130	-		
Cobalt, Total	92		-		75-125	-		
Copper, Total	87		-		75-125	-		
Iron, Total	74		-		38-162	-		
Lead, Total	95		-		71-128	-		
Magnesium, Total	74		-		63-137	-		
Manganese, Total	80		-		76-124	-		
Nickel, Total	92		-		70-131	-		
Potassium, Total	72		-		60-140	-		
Selenium, Total	98		-		63-137	-		
Silver, Total	90		-		69-131	-		
Sodium, Total	86		-		37-162	-		
Thallium, Total	91		-		68-132	-		
Vanadium, Total	86		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/25/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07,09 Batch: WG1302826-2 SRM Lot Number: D105-540					
Zinc, Total	95	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-07,09 Batch: WG1302850-2 SRM Lot Number: D105-540					
Mercury, Total	110	-	60-141	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07,09 QC Batch ID: WG1302826-3 QC Sample: L1951248-01 Client ID: B-19 (4'-5')												
Aluminum, Total	12400	198	14700	**1160**	Q	-	-		75-125	-		20
Antimony, Total	ND	49.5	41.8	84		-	-		75-125	-		20
Arsenic, Total	ND	11.9	12.2	103		-	-		75-125	-		20
Barium, Total	58.0	198	267	106		-	-		75-125	-		20
Beryllium, Total	0.344J	4.95	5.44	110		-	-		75-125	-		20
Cadmium, Total	0.266J	5.05	5.27	104		-	-		75-125	-		20
Calcium, Total	1040	989	1810	78		-	-		75-125	-		20
Chromium, Total	126	19.8	163	**187**	Q	-	-		75-125	-		20
Cobalt, Total	13.4	49.5	62.4	99		-	-		75-125	-		20
Copper, Total	118	24.7	135	**69**	Q	-	-		75-125	-		20
Iron, Total	29100	98.9	31500	**2420**	Q	-	-		75-125	-		20
Lead, Total	6.72	50.5	56.2	98		-	-		75-125	-		20
Magnesium, Total	6100	989	9040	**297**	Q	-	-		75-125	-		20
Manganese, Total	213	49.5	346	**269**	Q	-	-		75-125	-		20
Nickel, Total	136	49.5	211	**152**	Q	-	-		75-125	-		20
Potassium, Total	1990	989	3000	102		-	-		75-125	-		20
Selenium, Total	ND	11.9	11.4	96		-	-		75-125	-		20
Silver, Total	ND	29.7	30.4	102		-	-		75-125	-		20
Sodium, Total	3550	989	3590	**4**	Q	-	-		75-125	-		20
Thallium, Total	ND	11.9	9.23	78		-	-		75-125	-		20
Vanadium, Total	41.8	49.5	93.6	105		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07,09 QC Batch ID: WG1302826-3 QC Sample: L1951248-01 Client ID: B-19 (4'-5')										
Zinc, Total	31.2	49.5	87.1	113		-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-07,09 QC Batch ID: WG1302850-3 QC Sample: L1951248-01 Client ID: B-19 (4'-5')										
Mercury, Total	0.053J	0.164	0.211	**129**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07,09 QC Batch ID: WG1302826-4 QC Sample: L1951248-01 Client ID: B-19 (4'-5')						
Aluminum, Total	12400	12100	mg/kg	2		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	ND	0.736J	mg/kg	NC		20
Barium, Total	58.0	56.2	mg/kg	3		20
Beryllium, Total	0.344J	0.165J	mg/kg	NC		20
Cadmium, Total	0.266J	0.252J	mg/kg	NC		20
Calcium, Total	1040	659	mg/kg	**45**	Q	20
Chromium, Total	126	94.7	mg/kg	**28**	Q	20
Cobalt, Total	13.4	11.7	mg/kg	14		20
Copper, Total	118	108	mg/kg	9		20
Iron, Total	29100	24400	mg/kg	18		20
Lead, Total	6.72	9.94	mg/kg	**39**	Q	20
Magnesium, Total	6100	5400	mg/kg	12		20
Manganese, Total	213	201	mg/kg	6		20
Nickel, Total	136	110	mg/kg	**21**	Q	20
Potassium, Total	1990	1740	mg/kg	13		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	3550	2050	mg/kg	**54**	Q	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07,09 QC Batch ID: WG1302826-4 QC Sample: L1951248-01 Client ID: B-19 (4'-5')					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	41.8	39.1	mg/kg	7	20
Zinc, Total	31.2	34.9	mg/kg	11	20
Total Metals - Mansfield Lab Associated sample(s): 01-07,09 QC Batch ID: WG1302850-4 QC Sample: L1951248-01 Client ID: B-19 (4'-5')					
Mercury, Total	0.053J	ND	mg/kg	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-01
Client ID: B-19 (4'-5')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 09:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.1		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA
Cyanide, Total	3.3		mg/kg	1.3	0.27	1	10/31/19 04:33	10/31/19 11:33	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-02
Client ID: B-19 (5.5'-6.5')
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 10/30/19 10:05
Date Received: 10/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.5		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA
Cyanide, Total	0.28	J	mg/kg	1.1	0.23	1	10/31/19 04:33	10/31/19 11:34	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-03
Client ID: B-12 (3'-4')
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/30/19 10:25
Date Received: 10/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.8		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA
Cyanide, Total	2.3		mg/kg	1.1	0.24	1	10/31/19 04:33	10/31/19 11:35	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-04
Client ID: B-12 (8'-9')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:35
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA
Cyanide, Total	0.51	J	mg/kg	1.1	0.23	1	10/31/19 04:33	10/31/19 11:36	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-05
Client ID: B-18 (2'-3')
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:00
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.5		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA
Cyanide, Total	6.6		mg/kg	1.0	0.22	1	10/31/19 04:33	10/31/19 11:37	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-06
Client ID: B-17 (1.5'-2.5')
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 10/30/19 11:35
Date Received: 10/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA
Cyanide, Total	74		mg/kg	5.2	1.1	5	10/31/19 04:33	10/31/19 12:46	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-07
Client ID: WC-B2 (0'-5') COMP
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 10/30/19 11:45
Date Received: 10/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA
Cyanide, Total	3.8		mg/kg	1.1	0.23	1	10/31/19 11:50	10/31/19 14:35	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-08
Client ID: WC-B2 (3')-VOCS
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 10:50
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-09
Client ID: WC-B2-(5'-10')-COMP
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.1		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA
Cyanide, Total	2.6		mg/kg	1.0	0.22	1	10/31/19 11:50	10/31/19 14:36	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

SAMPLE RESULTS

Lab ID: L1951248-10
Client ID: WC-B2-(8')-VOCS
Sample Location: NEW ROCHELLE, NY

Date Collected: 10/30/19 11:55
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.1		%	0.100	NA	1	-	10/31/19 01:49	121,2540G	YA

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1302781-1										
Cyanide, Total	ND		mg/kg	0.95	0.20	1	10/31/19 04:33	10/31/19 11:27	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 07,09 Batch: WG1302927-1										
Cyanide, Total	ND		mg/kg	0.86	0.18	1	10/31/19 11:50	10/31/19 14:05	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/25/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1302781-2 WG1302781-3								
Cyanide, Total	**58**	Q	**75**	Q	80-120	26		35
General Chemistry - Westborough Lab Associated sample(s): 07,09 Batch: WG1302927-2 WG1302927-3								
Cyanide, Total	**64**	Q	**67**	Q	80-120	5		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1302781-4 WG1302781-5 QC Sample: L1951363-01 Client ID: MS Sample												
Cyanide, Total	ND	11	11	100		11	96		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 07,09 QC Batch ID: WG1302927-4 WG1302927-5 QC Sample: L1950502-01 Client ID: MS Sample												
Cyanide, Total	ND	12	12	100		12	100		75-125	0		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1951248

Report Date: 11/25/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1302749-1 QC Sample: L1951189-01 Client ID: DUP Sample						
Solids, Total	96.1	96.3	%	0		20

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1951248-01A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-01B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-01C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1951248-01E	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1951248-01F	Plastic 8oz unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1951248-01G	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1951248-01X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-01Y	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-01Z	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-02A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-02B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-02C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-02D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L1951248-02E	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1951248-02F	Plastic 8oz unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1951248-02G	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1951248-02X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-02Y	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-02Z	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-03A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-03B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-03C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-03D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1951248-03E	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1951248-03F	Plastic 8oz unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1951248-03G	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1951248-03X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-03Y	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-03Z	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-04A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1951248-04B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1951248-04C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1951248-04D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NA-TI(180),K-TI(180),CD-TI(180),CA-TI(180)
L1951248-04E	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1951248-04F	Plastic 8oz unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1951248-04G	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1951248-04X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1951248-04Y	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1951248-04Z	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260H(14),NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1951248-05A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-05B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-05C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-05D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L1951248-05E	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1951248-05F	Plastic 8oz unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1951248-05G	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1951248-05X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-05Y	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-05Z	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-06A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-06B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-06C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-06D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L1951248-06E	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1951248-06F	Plastic 8oz unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L1951248-06G	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1951248-06X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-06Y	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-06Z	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1951248
Report Date: 11/25/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1951248-07D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L1951248-07E	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1951248-07G	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1951248-08A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-08B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-08C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-08X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-08Y	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-08Z	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-09D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L1951248-09E	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1951248-09G	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1951248-10A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-10B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-10C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-10X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1951248-10Y	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)
L1951248-10Z	Vial Water preserved split	A	NA		2.8	Y	Absent	31-OCT-19 01:08	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1951248
Report Date: 11/25/19

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1

Project Name:	33 CENTRE AVE	**Lab Number:**	L1951248
Project Number:	10567	**Report Date:**	11/25/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1951248
Project Number:	10567	**Report Date:**	11/25/19

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1951248
Project Number:	10567	**Report Date:**	11/25/19

Data Qualifiers

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1951248
Project Number:	10567	**Report Date:**	11/25/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 10/30/19

ALPHA Job #: L1951248

Client Information
Client: SESI
Address: 12A Maple Ave, Pine Brook, NJ
Phone: 973-808-9050
Fax: —
Email: JAM@sesi.org

Project Information
Project Name: 33 ~~Hoffman~~ Centre Ave
Project Location: New Rochelle, NY
Project #: 10567
(Use Project name as Project #): ☐
Project Manager: Jesse Mausner
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date: 11/4/19
Rush (only if pre approved) ☒ # of Days: 3 day

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+30/TAL	TCL VOCs+10	TCL+30/TAC No VOCs	PFAS/PFOA					Sample Specific Comments
51248-01	B-19 (4'-5')	10/30/19	9:50AM	S	GS	X			X					
02	B-19 (5.5'-6.5')	10/30/19	10:05 AM	S	GS	X			X					
03	B-12 (3'-4')	10/30/19	10:25AM	S	GS	X			X					
04	B-12 (8'-9')	10/30/19	10:35 AM	S	GS	X			X					
05	B-18 (2'-3')	10/30/19	11:00 AM	S	GS	X			X					
06	B-17 (1.5'-2.5')	10/30/19	11:35AM	S	GS	X			X					
07	WC-B2 (0-5') Comp	10/30/19	11:45AM	S	GS			X						
08	WC-B2 (3') - VOCs	10/30/19	11:50AM	S	GS		X							
09	WC-B2-(5'-10')-Comp	10/30/19	11:55AM	S	GS			X						
10	WC-B2-(8') - VOCs	10/30/19	12:55AM	S	GS		X							
	Container Type													
	Preservative													

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
G. Sestaro SESI	10/30/19 13:40	[illegible]	10/30/19 1340
Rob Vogel QAI	10/30/19 16:10	Paul Mazzella	10/30/19 1645
Paul Mazzella	10/30/19 21:32	TAL	10/30/19 2132

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1959041
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	33 CENTRE AVE
Project Number:	10567
Report Date:	12/12/19

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

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

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

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1959041
Report Date: 12/12/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1959041-01	A-1R (0-5)	SOIL	NEW ROCHELLE, NY	12/10/19 10:20	12/10/19
L1959041-02	A-1R (5-10)	SOIL	NEW ROCHELLE, NY	12/10/19 10:30	12/10/19
L1959041-03	A-2R (0-5)	SOIL	NEW ROCHELLE, NY	12/10/19 09:45	12/10/19
L1959041-04	A-3R (0-5)	SOIL	NEW ROCHELLE, NY	12/10/19 12:00	12/10/19
L1959041-05	A-3R (5-10)	SOIL	NEW ROCHELLE, NY	12/10/19 12:10	12/10/19
L1959041-06	A-4R (0-5)	SOIL	NEW ROCHELLE, NY	12/10/19 11:30	12/10/19
L1959041-07	A-4R (5-10)	SOIL	NEW ROCHELLE, NY	12/10/19 11:45	12/10/19
L1959041-08	B-1R (0-5)	SOIL	NEW ROCHELLE, NY	12/10/19 09:00	12/10/19
L1959041-09	B-1R (5-10)	SOIL	NEW ROCHELLE, NY	12/10/19 09:15	12/10/19
L1959041-10	B-2R (0-5)	SOIL	NEW ROCHELLE, NY	12/10/19 08:45	12/10/19
L1959041-11	B-3R (0-5)	SOIL	NEW ROCHELLE, NY	12/10/19 11:10	12/10/19
L1959041-12	B-4R (0-5)	SOIL	NEW ROCHELLE, NY	12/10/19 10:50	12/10/19
L1959041-13	B-4R (5-10)	SOIL	NEW ROCHELLE, NY	12/10/19 11:00	12/10/19

Project Name:	33 CENTRE AVE	**Lab Number:**	L1959041
Project Number:	10567	**Report Date:**	12/12/19

Case Narrative

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

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

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

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

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

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

Project Name:	33 CENTRE AVE	**Lab Number:**	L1959041
Project Number:	10567	**Report Date:**	12/12/19

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 12/12/19

ORGANICS

PETROLEUM HYDROCARBONS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-01
Client ID: A-1R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 10:20
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 08:39
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	26.8	26.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	87		40-140
o-Terphenyl	87		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-02
Client ID: A-1R (5-10)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 10:30
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 09:08
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	25.8	25.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	76		40-140
o-Terphenyl	77		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-03
Client ID: A-2R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 09:45
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 09:38
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	25.5	25.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	89		40-140
o-Terphenyl	90		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-04
Client ID: A-3R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 12:00
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 11:06
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	251		mg/kg	26.3	26.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	77		40-140
o-Terphenyl	74		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-05
Client ID: A-3R (5-10)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 12:10
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 11:35
Analyst: MEO
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	550		mg/kg	24.8	24.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	75		40-140
o-Terphenyl	78		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-06
Client ID: A-4R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 11:30
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 14:02
Analyst: SC
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	261		mg/kg	26.5	26.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	70		40-140
o-Terphenyl	65		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-07
Client ID: A-4R (5-10)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 11:45
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 10:07
Analyst: MEO
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	24.4	24.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	75		40-140
o-Terphenyl	75		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-08
Client ID: B-1R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 09:00
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 14:32
Analyst: SC
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	1260		mg/kg	27.2	27.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	80		40-140
o-Terphenyl	75		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-09
Client ID: B-1R (5-10)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 09:15
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 10:36
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	26.2	26.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	80		40-140
o-Terphenyl	78		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-10
Client ID: B-2R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 08:45
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 15:01
Analyst: SC
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	268		mg/kg	26.8	26.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	97		40-140
o-Terphenyl	92		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-11
Client ID: B-3R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 11:10
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 15:31
Analyst: SC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	465		mg/kg	27.1	27.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	93		40-140
o-Terphenyl	100		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-12
Client ID: B-4R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 10:50
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 16:00
Analyst: SC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	26.1	26.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	62		40-140
o-Terphenyl	61		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-13
Client ID: B-4R (5-10)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 11:00
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 12/11/19 16:00
Analyst: SC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 12/11/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	25.2	25.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	66		40-140
o-Terphenyl	66		40-140

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 12/10/19 19:19
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 12/10/19 01:14

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 01-13 Batch: WG1318655-1					
Total EPH	ND		mg/kg	23.3	23.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	77		40-140
o-Terphenyl	77		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1959041

Report Date: 12/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-13 Batch: WG1318655-2 WG1318655-3								
Total EPH	93		88		40-140	6		25
Nonane (C9)	81		75		40-140	8		25
Decane (C10)	86		81		40-140	6		25
Dodecane (C12)	82		77		40-140	6		25
Tetradecane (C14)	80		77		40-140	4		25
Hexadecane (C16)	83		80		40-140	4		25
Octadecane (C18)	86		82		40-140	5		25
Eicosane (C20)	85		81		40-140	5		25
Heneicosane (C21)	84		81		40-140	4		25
Docosane (C22)	85		81		40-140	5		25
Tetracosane (C24)	86		82		40-140	5		25
Hexacosane (C26)	86		82		40-140	5		25
Octacosane (C28)	85		82		40-140	4		25
Triacontane (C30)	86		83		40-140	4		25
Dotriacontane (C32)	88		84		40-140	5		25
Tetratriacontane (C34)	86		81		40-140	6		25
Hexatriacontane (C36)	87		81		40-140	7		25
Octatriacontane (C38)	88		81		40-140	8		25
Tetracontane (C40)	87		79		40-140	10		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1959041
Report Date: 12/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-13 Batch: WG1318655-2 WG1318655-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	80		76		40-140
o-Terphenyl	81		77		40-140

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1318655-4 QC Sample: L1958495-04 Client ID: MS Sample												
Total EPH	ND	324	298	92		-	-		40-140	-		50
Nonane (C9)	ND	8.99	5.77	64		-	-		40-140	-		50
Decane (C10)	ND	8.99	6.46	72		-	-		40-140	-		50
Dodecane (C12)	ND	8.99	5.97	66		-	-		40-140	-		50
Tetradecane (C14)	ND	8.99	6.00	67		-	-		40-140	-		50
Hexadecane (C16)	ND	8.99	6.83	76		-	-		40-140	-		50
Octadecane (C18)	ND	8.99	7.59	84		-	-		40-140	-		50
Eicosane (C20)	ND	8.99	7.62	85		-	-		40-140	-		50
Heneicosane (C21)	ND	8.99	7.64	85		-	-		40-140	-		50
Docosane (C22)	ND	8.99	7.74	86		-	-		40-140	-		50
Tetracosane (C24)	ND	8.99	7.86	87		-	-		40-140	-		50
Hexacosane (C26)	ND	8.99	7.86	87		-	-		40-140	-		50
Octacosane (C28)	ND	8.99	7.81	87		-	-		40-140	-		50
Triacontane (C30)	ND	8.99	7.94	88		-	-		40-140	-		50
Dotriacontane (C32)	ND	8.99	7.99	89		-	-		40-140	-		50
Tetratriacontane (C34)	ND	8.99	7.91	88		-	-		40-140	-		50
Hexatriacontane (C36)	ND	8.99	8.00	89		-	-		40-140	-		50
Octatriacontane (C38)	ND	8.99	8.06	90		-	-		40-140	-		50
Tetracontane (C40)	ND	8.99	7.80	87		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	77				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1959041

Report Date: 12/12/19

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1318655-4 QC Sample: L1958495-04 Client ID: MS Sample												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	75				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1959041
Report Date: 12/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1318655-5 QC Sample: L1958495-04 Client ID: DUP Sample						
Total EPH	ND	ND	mg/kg	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	80		75		40-140
o-Terphenyl	82		75		40-140

METALS

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-01
Client ID: A-1R (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 10:20
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.027	J	mg/l	1.00	0.019	1	12/12/19 10:26	12/12/19 12:18	EPA 3015	1,6010D	LC
Barium, TCLP	0.428	J	mg/l	0.500	0.021	1	12/12/19 10:26	12/12/19 12:18	EPA 3015	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 10:26	12/12/19 12:18	EPA 3015	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/12/19 10:26	12/12/19 12:18	EPA 3015	1,6010D	LC
Lead, TCLP	0.041	J	mg/l	0.500	0.027	1	12/12/19 10:26	12/12/19 12:18	EPA 3015	1,6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 11:31	EPA 7470A	1,7470A	GD
Selenium, TCLP	0.044	J	mg/l	0.500	0.035	1	12/12/19 10:26	12/12/19 12:18	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 10:26	12/12/19 12:18	EPA 3015	1,6010D	LC

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-02
Client ID: A-1R (5-10)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 10:30
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 10:26	12/12/19 12:22	EPA 3015	1,6010D	LC
Barium, TCLP	0.514		mg/l	0.500	0.021	1	12/12/19 10:26	12/12/19 12:22	EPA 3015	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 10:26	12/12/19 12:22	EPA 3015	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/12/19 10:26	12/12/19 12:22	EPA 3015	1,6010D	LC
Lead, TCLP	0.029	J	mg/l	0.500	0.027	1	12/12/19 10:26	12/12/19 12:22	EPA 3015	1,6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 11:35	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 10:26	12/12/19 12:22	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 10:26	12/12/19 12:22	EPA 3015	1,6010D	LC

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-03
Client ID: A-2R (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 09:45
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 10:26	12/12/19 12:27	EPA 3015	1,6010D	LC
Barium, TCLP	0.554		mg/l	0.500	0.021	1	12/12/19 10:26	12/12/19 12:27	EPA 3015	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 10:26	12/12/19 12:27	EPA 3015	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/12/19 10:26	12/12/19 12:27	EPA 3015	1,6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	12/12/19 10:26	12/12/19 12:27	EPA 3015	1,6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 11:37	EPA 7470A	1,7470A	GD
Selenium, TCLP	0.079	J	mg/l	0.500	0.035	1	12/12/19 10:26	12/12/19 12:27	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 10:26	12/12/19 12:27	EPA 3015	1,6010D	LC

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-04
Client ID: A-3R (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 12:00
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 11:15	EPA 3015	1,6010D	PE
Barium, TCLP	0.489	J	mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 11:15	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 11:15	EPA 3015	1,6010D	PE
Chromium, TCLP	0.061	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 11:15	EPA 3015	1,6010D	PE
Lead, TCLP	0.101	J	mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 11:15	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 11:55	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 11:15	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 11:15	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-05
Client ID: A-3R (5-10)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 12:10
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 11:20	EPA 3015	1,6010D	PE
Barium, TCLP	0.464	J	mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 11:20	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 11:20	EPA 3015	1,6010D	PE
Chromium, TCLP	0.060	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 11:20	EPA 3015	1,6010D	PE
Lead, TCLP	0.108	J	mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 11:20	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 11:57	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 11:20	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 11:20	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-06
Client ID: A-4R (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 11:30
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 11:25	EPA 3015	1,6010D	PE
Barium, TCLP	0.655		mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 11:25	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 11:25	EPA 3015	1,6010D	PE
Chromium, TCLP	0.058	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 11:25	EPA 3015	1,6010D	PE
Lead, TCLP	0.092	J	mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 11:25	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 12:00	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 11:25	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 11:25	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-07
Client ID: A-4R (5-10)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 11:45
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 11:43	EPA 3015	1,6010D	PE
Barium, TCLP	0.389	J	mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 11:43	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 11:43	EPA 3015	1,6010D	PE
Chromium, TCLP	0.034	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 11:43	EPA 3015	1,6010D	PE
Lead, TCLP	ND		mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 11:43	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 12:02	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 11:43	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 11:43	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-08
Client ID: B-1R (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 09:00
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 11:48	EPA 3015	1,6010D	PE
Barium, TCLP	0.553		mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 11:48	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 11:48	EPA 3015	1,6010D	PE
Chromium, TCLP	0.042	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 11:48	EPA 3015	1,6010D	PE
Lead, TCLP	0.134	J	mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 11:48	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 12:04	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 11:48	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 11:48	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-09
Client ID: B-1R (5-10)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 09:15
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 11:53	EPA 3015	1,6010D	PE
Barium, TCLP	0.364	J	mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 11:53	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 11:53	EPA 3015	1,6010D	PE
Chromium, TCLP	0.051	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 11:53	EPA 3015	1,6010D	PE
Lead, TCLP	ND		mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 11:53	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 12:06	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 11:53	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 11:53	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-10
Client ID: B-2R (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 08:45
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 11:57	EPA 3015	1,6010D	PE
Barium, TCLP	0.094	J	mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 11:57	EPA 3015	1,6010D	PE
Cadmium, TCLP	0.013	J	mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 11:57	EPA 3015	1,6010D	PE
Chromium, TCLP	0.195	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 11:57	EPA 3015	1,6010D	PE
Lead, TCLP	ND		mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 11:57	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 12:08	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 11:57	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 11:57	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-11
Client ID: B-3R (0-5)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 11:10
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 12:02	EPA 3015	1,6010D	PE
Barium, TCLP	1.28		mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 12:02	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 12:02	EPA 3015	1,6010D	PE
Chromium, TCLP	0.051	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 12:02	EPA 3015	1,6010D	PE
Lead, TCLP	0.731		mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 12:02	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 12:11	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 12:02	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 12:02	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-12
Client ID: B-4R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil
Percent Solids: 90%

Date Collected: 12/10/19 10:50
Date Received: 12/10/19
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 12:07	EPA 3015	1,6010D	PE
Barium, TCLP	1.44		mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 12:07	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 12:07	EPA 3015	1,6010D	PE
Chromium, TCLP	0.061	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 12:07	EPA 3015	1,6010D	PE
Lead, TCLP	2.72		mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 12:07	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 12:13	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 12:07	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 12:07	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Lab Number: L1959041
Project Number: 10567
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-13
Client ID: B-4R (5-10)
Sample Location: NEW ROCHELLE, NY
Date Collected: 12/10/19 11:00
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%
TCLP/SPLP Ext. Date: 12/11/19 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 12:11	EPA 3015	1,6010D	PE
Barium, TCLP	1.04		mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 12:11	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 12:11	EPA 3015	1,6010D	PE
Chromium, TCLP	0.125	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 12:11	EPA 3015	1,6010D	PE
Lead, TCLP	0.157	J	mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 12:11	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 12:15	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 12:11	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 12:11	EPA 3015	1,6010D	PE

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1319850-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 11:02	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 12/09/19 07:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 04-13 Batch: WG1319853-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/12/19 08:05	12/12/19 11:40	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 12/11/19 00:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 04-13 Batch: WG1319908-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 09:33	12/12/19 10:48	1,6010D	PE
Barium, TCLP	ND		mg/l	0.500	0.021	1	12/12/19 09:33	12/12/19 10:48	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 09:33	12/12/19 10:48	1,6010D	PE
Chromium, TCLP	0.060	J	mg/l	0.200	0.021	1	12/12/19 09:33	12/12/19 10:48	1,6010D	PE
Lead, TCLP	ND		mg/l	0.500	0.027	1	12/12/19 09:33	12/12/19 10:48	1,6010D	PE
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 09:33	12/12/19 10:48	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 09:33	12/12/19 10:48	1,6010D	PE

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 12/11/19 00:00

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1319949-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/12/19 10:26	12/12/19 11:54	1,6010D	LC
Barium, TCLP	ND		mg/l	0.500	0.021	1	12/12/19 10:26	12/12/19 11:54	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/12/19 10:26	12/12/19 11:54	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/12/19 10:26	12/12/19 11:54	1,6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	12/12/19 10:26	12/12/19 11:54	1,6010D	LC
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/12/19 10:26	12/12/19 11:54	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/12/19 10:26	12/12/19 11:54	1,6010D	LC

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 12/09/19 07:40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1959041

Report Date: 12/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1319850-2								
Mercury, TCLP	104		-		80-120	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04-13 Batch: WG1319853-2								
Mercury, TCLP	106		-		80-120	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04-13 Batch: WG1319908-2								
Arsenic, TCLP	109		-		75-125	-		20
Barium, TCLP	102		-		75-125	-		20
Cadmium, TCLP	102		-		75-125	-		20
Chromium, TCLP	104		-		75-125	-		20
Lead, TCLP	98		-		75-125	-		20
Selenium, TCLP	108		-		75-125	-		20
Silver, TCLP	99		-		75-125	-		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1959041

Report Date: 12/12/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1319949-2					
Arsenic, TCLP	109	-	75-125	-	20
Barium, TCLP	101	-	75-125	-	20
Cadmium, TCLP	97	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	94	-	75-125	-	20
Selenium, TCLP	112	-	75-125	-	20
Silver, TCLP	98	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1959041
Report Date: 12/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1319850-3 QC Sample: L1958123-01 Client ID: MS Sample												
Mercury, TCLP	0.0025	0.025	0.0308	113		-	-		80-120	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04-13 QC Batch ID: WG1319853-3 QC Sample: L1957063-01 Client ID: MS Sample												
Mercury, TCLP	ND	0.025	0.0271	108		-	-		80-120	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04-13 QC Batch ID: WG1319908-3 QC Sample: L1957063-01 Client ID: MS Sample												
Arsenic, TCLP	0.032J	1.2	1.36	113		-	-		75-125	-		20
Barium, TCLP	0.111J	20	20.5	102		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.525	103		-	-		75-125	-		20
Chromium, TCLP	0.060J	2	2.09	104		-	-		75-125	-		20
Lead, TCLP	ND	5.1	5.08	100		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.32	110		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.511	102		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1319949-3 QC Sample: L1957606-10 Client ID: MS Sample												
Arsenic, TCLP	0.023J	1.2	1.31	109		-	-		75-125	-		20
Barium, TCLP	0.442J	20	21.0	105		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.510	100		-	-		75-125	-		20
Chromium, TCLP	ND	2	2.01	100		-	-		75-125	-		20
Lead, TCLP	0.079J	5.1	4.94	97		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.38	115		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.494	99		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1959041
Report Date: 12/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1319850-4 QC Sample: L1958123-01 Client ID: DUP Sample						
Mercury, TCLP	0.0025	0.0025	mg/l	1		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04-13 QC Batch ID: WG1319853-4 QC Sample: L1957063-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04-13 QC Batch ID: WG1319908-4 QC Sample: L1957063-01 Client ID: DUP Sample						
Arsenic, TCLP	0.032J	0.021J	mg/l	NC		20
Barium, TCLP	0.111J	0.104J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	0.060J	0.047J	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	0.036J	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1319949-4 QC Sample: L1957606-10 Client ID: DUP Sample						
Arsenic, TCLP	0.023J	ND	mg/l	NC		20
Barium, TCLP	0.442J	0.442J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.079J	0.086J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-01
Client ID: A-1R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 10:20
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-02
Client ID: A-1R (5-10)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 10:30
Date Received: 12/10/19
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-03
Client ID: A-2R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 09:45
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-04
Client ID: A-3R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 12:00
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-05
Client ID: A-3R (5-10)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 12:10
Date Received: 12/10/19
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-06
Client ID: A-4R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 11:30
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-07
Client ID: A-4R (5-10)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 11:45
Date Received: 12/10/19
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-08
Client ID: B-1R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 09:00
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-09
Client ID: B-1R (5-10)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 09:15
Date Received: 12/10/19
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-10
Client ID: B-2R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 08:45
Date Received: 12/10/19
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-11
Client ID: B-3R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 11:10
Date Received: 12/10/19
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-12
Client ID: B-4R (0-5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 10:50
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-13
Client ID: B-4R (5-10)
Sample Location: NEW ROCHELLE, NY

Date Collected: 12/10/19 11:00
Date Received: 12/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/11/19 09:20	1,1030	BR

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-01
Client ID: A-1R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 10:20
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	7.8		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:55	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:38	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-02
Client ID: A-1R (5-10)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 10:30
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	7.6		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:55	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:38	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-03
Client ID: A-2R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 09:45
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	7.4		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:55	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:38	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-04
Client ID: A-3R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 12:00
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.1		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	8.8		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:55	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:38	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-05
Client ID: A-3R (5-10)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 12:10
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.6		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	8.0		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:56	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:38	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-06
Client ID: A-4R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 11:30
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.9		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	9.4		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:56	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:40	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-07
Client ID: A-4R (5-10)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 11:45
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	8.6		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:57	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:40	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-08
Client ID: B-1R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 09:00
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	8.4		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:57	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:40	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-09
Client ID: B-1R (5-10)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 09:15
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.0		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	6.7		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:57	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:40	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-10
Client ID: B-2R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 08:45
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.0		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	8.9		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:57	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:40	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-11
Client ID: B-3R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 11:10
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.2		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	8.8		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:58	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:41	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-12
Client ID: B-4R (0-5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 10:50
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	9.3		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:58	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:41	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1959041-13
Client ID: B-4R (5-10)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/10/19 11:00
Date Received: 12/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	12/11/19 02:29	121,2540G	YA
pH (H)	9.1		SU	-	NA	1	-	12/11/19 19:13	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:58	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:41	125,7.3	KF
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	12/11/19 16:47	1,9095B	AS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1959041
Report Date: 12/12/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-13 Batch: WG1319222-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:37	125,7.3	KF
General Chemistry - Westborough Lab for sample(s): 01-13 Batch: WG1319223-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/11/19 02:27	12/11/19 03:50	125,7.3	KF

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1959041

Report Date: 12/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-13 Batch: WG1319222-2								
Sulfide, Reactive	105		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-13 Batch: WG1319223-2								
Cyanide, Reactive	81		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-13 Batch: WG1319645-1								
pH	100		-		99-101	-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1959041
Report Date: 12/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1319216-1 QC Sample: L1959041-03 Client ID: A-2R (0-5)						
Solids, Total	89.2	89.3	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1319222-3 QC Sample: L1959041-13 Client ID: B-4R (5-10)						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1319223-3 QC Sample: L1959041-13 Client ID: B-4R (5-10)						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1319645-2 QC Sample: L1958863-01 Client ID: DUP Sample						
pH	6.0	5.9	SU	2		5

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1959041
Report Date: 12/12/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1959041-01A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		IGNIT-1030(14),NJEPH-TPH-CAT2(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1959041-01X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-02A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		NJEPH-TPH-CAT2(14),IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L1959041-02X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-03A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		IGNIT-1030(14),NJEPH-TPH-CAT2(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L1959041-03X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-04A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		IGNIT-1030(14),REACTS(14),NJEPH-TPH-CAT2(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1959041-04X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-05A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		IGNIT-1030(14),NJEPH-TPH-CAT2(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1959041
Report Date: 12/12/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1959041-05X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-06A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		NJEPH-TPH-CAT2(14),IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-06X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L1959041-06X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-07A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		NJEPH-TPH-CAT2(14),REACTS(14),IGNIT-1030(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-07X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1959041-07X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-08A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		NJEPH-TPH-CAT2(14),IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-08X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L1959041-08X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-09A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		IGNIT-1030(14),REACTS(14),NJEPH-TPH-CAT2(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-09X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L1959041-09X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-10A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		REACTS(14),IGNIT-1030(14),NJEPH-TPH-CAT2(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-10X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L1959041-10X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-11A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		REACTS(14),IGNIT-1030(14),NJEPH-TPH-CAT2(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-11X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1959041
Report Date: 12/12/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1959041-11X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-12A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		NJEPH-TPH-CAT2(14),IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-12X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1959041-12X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1959041-13A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		IGNIT-1030(14),NJEPH-TPH-CAT2(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L1959041-13X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1959041-13X9	Tumble Vessel	A	NA		2.9	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	33 CENTRE AVE	**Lab Number:**	L1959041
Project Number:	10567	**Report Date:**	12/12/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1959041
Project Number:	10567	**Report Date:**	12/12/19

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1959041
Project Number:	10567	**Report Date:**	12/12/19

Data Qualifiers

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1959041
Project Number:	10567	**Report Date:**	12/12/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 1 of 2

Date Rec'd in Lab: 12/10/19

ALPHA Job #: L1959041

Client Information
Client: SESI
Address: 12a Maple ave
Pine Brook, NJ
Phone: 973 808 9050
Fax:
Email: JAM@sesi.org

Project Information
Project Name: 33 Centre ave
Project Location: New Rochelle, NY
Project #: 10567
(Use Project name as Project #): X
Project Manager: Jesse Mansmer
ALPHAQuote #:

Turn-Around Time
Standard: ☐ Due Date:
Rush (only if pre approved): X 24hr # of Days: (3 days for TCLP)

These samples have been previously analyzed by Alpha: ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
X ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
X NY Restricted Use ☐ Other
X NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
X Same as Client Info
PO # 10567 Phase

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	EPH Cat. 2	RCRA Characteristics	TCLP RCRA Metals	Paint Filters	Total Bottle	Sample Specific Comments
59041-01	A-1R (0-5)	12/10/19	1020	Soil	JCS	X	X	X	X		
-02	A-1R (5-10)		1030								
-03	A-2R (0-5)		945								
-04	A-3R (0-5)		1200								
-05	A-3R (5-10)		1210								
-06	A-4R (0-5)		1130								
-07	A-4R (5-10)		1145								
-08	B-1R (0-5)		900								
-09	B-1R (5-10)		915								
-10	B-2R (0-5)		845								

Container Type: A A A A
Preservative: A A A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12/10/19 15:00	P.S. AAL	12/10/19 15:00
P.S. AAL	12/10/19 17:00	Paul Mangella	12/10/19 17:00
Paul Mangella	12/10/19 21:35		12/10/19 21:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONSTITUTIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 2 of 2

Date Rec'd in Lab: 12/10/19

ALPHA Job #: L1959041

Client Information
Client: GEI
Address: 12a Maple ave
Pine Brook, NJ
Phone: 973 808 9050
Fax:
Email: JAM@GEI.org

Project Information
Project Name: 33 Centre ave
Project Location: New Rochelle, NY
Project #: 10567
(Use Project name as Project #): X
Project Manager: Jesse Mausner
ALPHAQuote #:

Turn-Around Time
Standard: ☐
Rush (only if pre approved): ☒ 24hr
Due Date:
# of Days: 3 day for TCLP

These samples have been previously analyzed by Alpha: ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☒ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO # 10567
Phase

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	EPH+Cat.2	RCRA characteristics	TCLP RCRA metals	Paint Filter	Total Bottle	Sample Specific Comments
59041-11	B-3R(0-5)	12/10/19	1110	Soil	JCS	X	X	X	X		
-12	B-4R(0-5)		1050								
-13	B-4R(5-10)		1100								

Container Type: A A A A
Preservative: A A A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12/10/19 15:00	DS. AHL	12/10/19 15:00
DS. AHL	12/10/19 17:00		12/10/19 17:10
	12/10/19 2135		12/11/19 2135

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1959634
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	NEW ROCHELLE, NY
Project Number:	10567
Report Date:	12/20/19

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

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

Six Park Row, Mansfield, MA 02048
508-261-7467 (Fax) -- -- - emccarter@mansfieldma.com

Project Name: NEW ROCHELLE, NY
Project Number: 10567

Lab Number: L1959634
Report Date: 12/20/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1959634-01	SV-3	SOIL_VAPOR	33 CENTRE AVE., NEW ROCHELLE, NY	12/11/19 08:55	12/12/19
L1959634-02	SV-4	SOIL_VAPOR	33 CENTRE AVE., NEW ROCHELLE, NY	12/11/19 09:20	12/12/19
L1959634-03	SV-10	SOIL_VAPOR	33 CENTRE AVE., NEW ROCHELLE, NY	12/11/19 09:55	12/12/19
L1959634-04	SV-7	SOIL_VAPOR	33 CENTRE AVE., NEW ROCHELLE, NY	12/11/19 10:30	12/12/19
L1959634-05	SV-8	SOIL_VAPOR	33 CENTRE AVE., NEW ROCHELLE, NY	12/11/19 10:42	12/12/19
L1959634-06	SV-2	SOIL_VAPOR	33 CENTRE AVE., NEW ROCHELLE, NY	12/11/19 10:55	12/12/19
L1959634-07	SV-9	SOIL_VAPOR	33 CENTRE AVE., NEW ROCHELLE, NY	12/11/19 11:08	12/12/19
L1959634-08	SV-1	SOIL_VAPOR	33 CENTRE AVE., NEW ROCHELLE, NY	12/11/19 11:45	12/12/19
L1959634-09	SV-5	SOIL_VAPOR	33 CENTRE AVE., NEW ROCHELLE, NY	12/11/19 12:05	12/12/19
L1959634-10	AA-1	AIR	33 CENTRE AVE., NEW ROCHELLE, NY	12/11/19 14:05	12/12/19
L1959634-11	UNUSED CAN #2611	SOIL_VAPOR	33 CENTRE AVE., NEW ROCHELLE, NY		12/12/19

Project Name:	NEW ROCHELLE, NY	**Lab Number:**	L1959634
Project Number:	10567	**Report Date:**	12/20/19

Case Narrative

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

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

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

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

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

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

Project Name:	NEW ROCHELLE, NY	**Lab Number:**	L1959634
Project Number:	10567	**Report Date:**	12/20/19

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on December 10, 2019. The canister certification results are provided as an addendum.

L1959634-09: The sample was re-analyzed on dilution in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L1959634-09: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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

Authorized Signature: Susan E O'Neil Susan O' Neil

Title: Technical Director/Representative Date: 12/20/19

AIR

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-01
Client ID: SV-3
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 08:55
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/19/19 18:14
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.453	0.200	--	2.24	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.83	1.00	--	16.2	2.38	--		1
Trichlorofluoromethane	0.435	0.200	--	2.44	1.12	--		1
Isopropanol	0.664	0.500	--	1.63	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.582	0.200	--	1.81	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	1.50	0.200	--	6.07	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.570	0.500	--	1.68	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-01
Client ID: SV-3
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 08:55
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.559	0.200	--	1.97	0.705	--		1
1,1,1-Trichloroethane	0.721	0.200	--	3.93	1.09	--		1
Benzene	0.459	0.200	--	1.47	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.277	0.200	--	1.14	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.949	0.200	--	3.58	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-01
Client ID: SV-3
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 08:55
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.403	0.400	--	1.75	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	98		60-140

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-02
Client ID: SV-4
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 09:20
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/19/19 18:54
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.444	0.200	--	2.20	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.18	1.00	--	5.18	2.38	--		1
Trichlorofluoromethane	0.200	0.200	--	1.12	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-02
Client ID: SV-4
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 09:20
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.254	0.200	--	1.24	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.261	0.200	--	0.920	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.361	0.200	--	1.15	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.450	0.200	--	1.70	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-02
Client ID: SV-4
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 09:20
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	98		60-140

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-03
Client ID: SV-10
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 09:55
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/19/19 19:34
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.404	0.200	--	2.00	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	15.3	5.00	--	28.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.80	1.00	--	16.2	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	30.3	0.500	--	74.5	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	2.11	0.500	--	6.40	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.561	0.500	--	1.65	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-03
Client ID: SV-10
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 09:55
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.502	0.200	--	2.45	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.254	0.200	--	0.895	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.325	0.200	--	1.04	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.357	0.200	--	1.23	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.277	0.200	--	1.29	0.934	--		1
Heptane	0.395	0.200	--	1.62	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.22	0.200	--	4.60	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.234	0.200	--	1.02	0.869	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-03
Client ID: SV-10
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 09:55
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.821	0.400	--	3.57	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.333	0.200	--	1.45	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.257	0.200	--	1.26	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	99		60-140

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-04
Client ID: SV-7
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 10:30
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/19/19 20:14
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.420	0.200	--	2.08	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	9.76	5.00	--	18.4	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.07	1.00	--	14.4	2.38	--		1
Trichlorofluoromethane	0.206	0.200	--	1.16	1.12	--		1
Isopropanol	19.2	0.500	--	47.2	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.32	0.500	--	4.00	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.500	0.500	--	1.47	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-04
Client ID: SV-7
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 10:30
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.332	0.200	--	1.62	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.266	0.200	--	0.850	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.223	0.200	--	0.768	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.264	0.200	--	1.08	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.932	0.200	--	3.51	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.217	0.200	--	0.943	0.869	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-04
Client ID: SV-7
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 10:30
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.788	0.400	--	3.42	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.326	0.200	--	1.42	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.282	0.200	--	1.39	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-05
Client ID: SV-8
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 10:42
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/19/19 20:54
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.433	0.200	--	2.14	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	12.8	5.00	--	24.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	8.55	1.00	--	20.3	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	26.8	0.500	--	65.9	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	2.02	0.500	--	6.12	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.634	0.500	--	1.87	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-05
Client ID: SV-8
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 10:42
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.976	0.200	--	4.77	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.329	0.200	--	1.05	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.283	0.200	--	0.974	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.247	0.200	--	1.15	0.934	--		1
Heptane	0.331	0.200	--	1.36	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.05	0.200	--	3.96	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.225	0.200	--	0.977	0.869	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-05
Client ID: SV-8
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 10:42
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.782	0.400	--	3.40	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.315	0.200	--	1.37	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.267	0.200	--	1.31	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	100		60-140

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-06
Client ID: SV-2
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 10:55
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/19/19 21:33
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.454	0.200	--	2.24	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.419	0.200	--	0.927	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	6.31	5.00	--	11.9	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	12.7	1.00	--	30.2	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	2.71	0.200	--	8.44	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.639	0.500	--	1.88	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-06
Client ID: SV-2
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 10:55
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.647	0.200	--	2.28	0.705	--		1
1,1,1-Trichloroethane	3.18	0.200	--	17.4	1.09	--		1
Benzene	0.735	0.200	--	2.35	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.262	0.200	--	0.902	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	2.13	0.200	--	11.4	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.351	0.200	--	1.44	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.06	0.200	--	3.99	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-06
Client ID: SV-2
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 10:55
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.731	0.400	--	3.18	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.376	0.200	--	1.63	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	99		60-140

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-07
Client ID: SV-9
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 11:08
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/19/19 22:13
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.462	0.200	--	2.28	0.989	--		1
Chloromethane	0.207	0.200	--	0.427	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	7.70	5.00	--	14.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	9.56	1.00	--	22.7	2.38	--		1
Trichlorofluoromethane	0.285	0.200	--	1.60	1.12	--		1
Isopropanol	17.1	0.500	--	42.0	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.33	0.500	--	4.03	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	3.09	0.200	--	9.62	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.644	0.500	--	1.90	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-07
Client ID: SV-9
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 11:08
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.310	0.200	--	1.51	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.465	0.200	--	1.64	0.705	--		1
1,1,1-Trichloroethane	0.433	0.200	--	2.36	1.09	--		1
Benzene	0.337	0.200	--	1.08	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.278	0.200	--	0.957	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.549	0.200	--	2.95	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.320	0.200	--	1.31	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.977	0.200	--	3.68	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.219	0.200	--	0.951	0.869	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-07
Client ID: SV-9
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 11:08
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.806	0.400	--	3.50	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.331	0.200	--	1.44	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.291	0.200	--	1.43	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	101		60-140

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-08
Client ID: SV-1
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 11:45
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/19/19 22:53
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.437	0.200	--	2.16	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	1.56	0.200	--	3.45	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	9.85	5.00	--	18.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	33.1	1.00	--	78.6	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	19.6	0.500	--	48.2	1.23	--		1
1,1-Dichloroethene	4.03	0.200	--	16.0	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.11	0.500	--	3.86	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	3.13	0.200	--	9.75	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	0.502	0.200	--	2.03	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.963	0.500	--	2.84	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-08
Client ID: SV-1
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 11:45
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.493	0.200	--	2.41	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	3.11	0.200	--	11.0	0.705	--		1
1,1,1-Trichloroethane	15.0	0.200	--	81.8	1.09	--		1
Benzene	0.687	0.200	--	2.19	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	3.54	0.200	--	12.2	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	9.96	0.200	--	53.5	1.07	--		1
2,2,4-Trimethylpentane	0.458	0.200	--	2.14	0.934	--		1
Heptane	0.594	0.200	--	2.43	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.973	0.200	--	3.67	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.215	0.200	--	0.934	0.869	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-08
Client ID: SV-1
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 11:45
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.761	0.400	--	3.31	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.336	0.200	--	1.46	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.301	0.200	--	1.48	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-09 D
Client ID: SV-5
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 12:05
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/19/19 23:29
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	4.76	--	ND	23.5	--		23.81
Chloromethane	ND	4.76	--	ND	9.83	--		23.81
Freon-114	ND	4.76	--	ND	33.3	--		23.81
Vinyl chloride	ND	4.76	--	ND	12.2	--		23.81
1,3-Butadiene	ND	4.76	--	ND	10.5	--		23.81
Bromomethane	ND	4.76	--	ND	18.5	--		23.81
Chloroethane	ND	4.76	--	ND	12.6	--		23.81
Ethanol	ND	119	--	ND	224	--		23.81
Vinyl bromide	ND	4.76	--	ND	20.8	--		23.81
Acetone	27.4	23.8	--	65.1	56.5	--		23.81
Trichlorofluoromethane	ND	4.76	--	ND	26.7	--		23.81
Isopropanol	ND	11.9	--	ND	29.3	--		23.81
1,1-Dichloroethene	279	4.76	--	1110	18.9	--		23.81
Tertiary butyl Alcohol	ND	11.9	--	ND	36.1	--		23.81
Methylene chloride	ND	11.9	--	ND	41.3	--		23.81
3-Chloropropene	ND	4.76	--	ND	14.9	--		23.81
Carbon disulfide	10.1	4.76	--	31.5	14.8	--		23.81
Freon-113	ND	4.76	--	ND	36.5	--		23.81
trans-1,2-Dichloroethene	ND	4.76	--	ND	18.9	--		23.81
1,1-Dichloroethane	54.4	4.76	--	220	19.3	--		23.81
Methyl tert butyl ether	ND	4.76	--	ND	17.2	--		23.81
2-Butanone	ND	11.9	--	ND	35.1	--		23.81
cis-1,2-Dichloroethene	ND	4.76	--	ND	18.9	--		23.81

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-09 D
Client ID: SV-5
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 12:05
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	11.9	--	ND	42.9	--		23.81
Chloroform	34.8	4.76	--	170	23.2	--		23.81
Tetrahydrofuran	ND	11.9	--	ND	35.1	--		23.81
1,2-Dichloroethane	ND	4.76	--	ND	19.3	--		23.81
n-Hexane	ND	4.76	--	ND	16.8	--		23.81
1,1,1-Trichloroethane	2520	4.76	--	13700	26.0	--	E	23.81
Benzene	ND	4.76	--	ND	15.2	--		23.81
Carbon tetrachloride	ND	4.76	--	ND	29.9	--		23.81
Cyclohexane	ND	4.76	--	ND	16.4	--		23.81
1,2-Dichloropropane	ND	4.76	--	ND	22.0	--		23.81
Bromodichloromethane	ND	4.76	--	ND	31.9	--		23.81
1,4-Dioxane	ND	4.76	--	ND	17.2	--		23.81
Trichloroethene	34.2	4.76	--	184	25.6	--		23.81
2,2,4-Trimethylpentane	ND	4.76	--	ND	22.2	--		23.81
Heptane	ND	4.76	--	ND	19.5	--		23.81
cis-1,3-Dichloropropene	ND	4.76	--	ND	21.6	--		23.81
4-Methyl-2-pentanone	ND	11.9	--	ND	48.8	--		23.81
trans-1,3-Dichloropropene	ND	4.76	--	ND	21.6	--		23.81
1,1,2-Trichloroethane	ND	4.76	--	ND	26.0	--		23.81
Toluene	ND	4.76	--	ND	17.9	--		23.81
2-Hexanone	ND	4.76	--	ND	19.5	--		23.81
Dibromochloromethane	ND	4.76	--	ND	40.6	--		23.81
1,2-Dibromoethane	ND	4.76	--	ND	36.6	--		23.81
Tetrachloroethene	9.28	4.76	--	62.9	32.3	--		23.81
Chlorobenzene	ND	4.76	--	ND	21.9	--		23.81
Ethylbenzene	ND	4.76	--	ND	20.7	--		23.81

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-09 D
Client ID: SV-5
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 12:05
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	9.52	--	ND	41.4	--		23.81
Bromoform	ND	4.76	--	ND	49.2	--		23.81
Styrene	ND	4.76	--	ND	20.3	--		23.81
1,1,2,2-Tetrachloroethane	ND	4.76	--	ND	32.7	--		23.81
o-Xylene	ND	4.76	--	ND	20.7	--		23.81
4-Ethyltoluene	ND	4.76	--	ND	23.4	--		23.81
1,3,5-Trimethylbenzene	ND	4.76	--	ND	23.4	--		23.81
1,2,4-Trimethylbenzene	ND	4.76	--	ND	23.4	--		23.81
Benzyl chloride	ND	4.76	--	ND	24.6	--		23.81
1,3-Dichlorobenzene	ND	4.76	--	ND	28.6	--		23.81
1,4-Dichlorobenzene	ND	4.76	--	ND	28.6	--		23.81
1,2-Dichlorobenzene	ND	4.76	--	ND	28.6	--		23.81
1,2,4-Trichlorobenzene	ND	4.76	--	ND	35.3	--		23.81
Hexachlorobutadiene	ND	4.76	--	ND	50.8	--		23.81

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	101		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-09 D2
Client ID: SV-5
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 12:05
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/20/19 07:55
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,1-Trichloroethane	2770	7.94	--	15100	43.3	--		39.68

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	96		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	95		60-140

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-10
Client ID: AA-1
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 14:05
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/19/19 17:34
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.438	0.200	--	2.17	0.989	--		1
Chloromethane	0.420	0.200	--	0.867	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.17	1.00	--	5.15	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	0.935	0.500	--	2.30	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-10
Client ID: AA-1
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 14:05
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.248	0.200	--	0.792	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.320	0.200	--	1.21	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959634-10
Client ID: AA-1
Sample Location: 33 CENTRE AVE., NEW ROCHELLE, NY

Date Collected: 12/11/19 14:05
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	98		60-140

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/19/19 14:48

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-10 Batch: WG1322893-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/19/19 14:48

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-10 Batch: WG1322893-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: NEW ROCHELLE, NY
Project Number: 10567
Lab Number: L1959634
Report Date: 12/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/19/19 14:48

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-10 Batch: WG1322893-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW ROCHELLE, NY

Project Number: 10567

Lab Number: L1959634

Report Date: 12/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG1322893-3								
Dichlorodifluoromethane	93		-		70-130	-		
Chloromethane	82		-		70-130	-		
Freon-114	91		-		70-130	-		
Vinyl chloride	88		-		70-130	-		
1,3-Butadiene	93		-		70-130	-		
Bromomethane	85		-		70-130	-		
Chloroethane	85		-		70-130	-		
Ethanol	92		-		40-160	-		
Vinyl bromide	79		-		70-130	-		
Acetone	68		-		40-160	-		
Trichlorofluoromethane	85		-		70-130	-		
Isopropanol	71		-		40-160	-		
1,1-Dichloroethene	88		-		70-130	-		
Tertiary butyl Alcohol	84		-		70-130	-		
Methylene chloride	85		-		70-130	-		
3-Chloropropene	80		-		70-130	-		
Carbon disulfide	79		-		70-130	-		
Freon-113	83		-		70-130	-		
trans-1,2-Dichloroethene	94		-		70-130	-		
1,1-Dichloroethane	95		-		70-130	-		
Methyl tert butyl ether	100		-		70-130	-		
2-Butanone	94		-		70-130	-		
cis-1,2-Dichloroethene	99		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW ROCHELLE, NY

Project Number: 10567

Lab Number: L1959634

Report Date: 12/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG1322893-3								
Ethyl Acetate	97		-		70-130	-		
Chloroform	107		-		70-130	-		
Tetrahydrofuran	92		-		70-130	-		
1,2-Dichloroethane	98		-		70-130	-		
n-Hexane	103		-		70-130	-		
1,1,1-Trichloroethane	104		-		70-130	-		
Benzene	109		-		70-130	-		
Carbon tetrachloride	113		-		70-130	-		
Cyclohexane	107		-		70-130	-		
1,2-Dichloropropane	98		-		70-130	-		
Bromodichloromethane	111		-		70-130	-		
1,4-Dioxane	107		-		70-130	-		
Trichloroethene	102		-		70-130	-		
2,2,4-Trimethylpentane	106		-		70-130	-		
Heptane	97		-		70-130	-		
cis-1,3-Dichloropropene	117		-		70-130	-		
4-Methyl-2-pentanone	102		-		70-130	-		
trans-1,3-Dichloropropene	98		-		70-130	-		
1,1,2-Trichloroethane	106		-		70-130	-		
Toluene	95		-		70-130	-		
2-Hexanone	108		-		70-130	-		
Dibromochloromethane	108		-		70-130	-		
1,2-Dibromoethane	110		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW ROCHELLE, NY
Project Number: 10567

Lab Number: L1959634
Report Date: 12/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG1322893-3								
Tetrachloroethene	100		-		70-130	-		
Chlorobenzene	108		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	100		-		70-130	-		
Bromoform	111		-		70-130	-		
Styrene	111		-		70-130	-		
1,1,2,2-Tetrachloroethane	108		-		70-130	-		
o-Xylene	103		-		70-130	-		
4-Ethyltoluene	110		-		70-130	-		
1,3,5-Trimethylbenzene	89		-		70-130	-		
1,2,4-Trimethylbenzene	114		-		70-130	-		
Benzyl chloride	105		-		70-130	-		
1,3-Dichlorobenzene	111		-		70-130	-		
1,4-Dichlorobenzene	109		-		70-130	-		
1,2-Dichlorobenzene	111		-		70-130	-		
1,2,4-Trichlorobenzene	120		-		70-130	-		
Hexachlorobutadiene	110		-		70-130	-		

Project Name: NEW ROCHELLE, NY

Project Number: 10567

Lab Number: L1959634

Report Date: 12/20/19

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1959634-01	SV-3	01450	Flow 2	12/10/19	309411		-	-	-	Pass	72	74	3
L1959634-01	SV-3	2430	2.7L Can	12/10/19	309411	L1958012-07	Pass	-29.3	-3.5	-	-	-	-
L1959634-02	SV-4	01136	Flow 2	12/10/19	309411		-	-	-	Pass	72	74	3
L1959634-02	SV-4	417	2.7L Can	12/10/19	309411	L1957745-04	Pass	-29.3	-2.8	-	-	-	-
L1959634-03	SV-10	0953	Flow 2	12/10/19	309411		-	-	-	Pass	72	78	8
L1959634-03	SV-10	501	2.7L Can	12/10/19	309411	L1957745-04	Pass	-29.3	-2.0	-	-	-	-
L1959634-04	SV-7	0216	Flow 3	12/10/19	309411		-	-	-	Pass	72	71	1
L1959634-04	SV-7	154	2.7L Can	12/10/19	309411	L1958012-07	Pass	-29.2	-4.4	-	-	-	-
L1959634-05	SV-8	01082	Flow 2	12/10/19	309411		-	-	-	Pass	72	76	5
L1959634-05	SV-8	3204	2.7L Can	12/10/19	309411	L1958012-07	Pass	-29.5	-2.7	-	-	-	-
L1959634-06	SV-2	0798	Flow 2	12/10/19	309411		-	-	-	Pass	72	77	7
L1959634-06	SV-2	3100	2.7L Can	12/10/19	309411	L1958012-07	Pass	-29.1	-3.5	-	-	-	-
L1959634-07	SV-9	0765	Flow 2	12/10/19	309411		-	-	-	Pass	72	98	31
L1959634-07	SV-9	2797	2.7L Can	12/10/19	309411	L1957745-04	Pass	-29.3	-1.1	-	-	-	-
L1959634-08	SV-1	01462	Flow 2	12/10/19	309411		-	-	-	Pass	72	76	5

Project Name: NEW ROCHELLE, NY

Lab Number: L1959634

Project Number: 10567

Report Date: 12/20/19

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1959634-08	SV-1	3000	2.7L Can	12/10/19	309411	L1958012-07	Pass	-29.3	-4.2	-	-	-	-
L1959634-09	SV-5	01396	Flow 2	12/10/19	309411		-	-	-	Pass	72	76	5
L1959634-09	SV-5	2431	2.7L Can	12/10/19	309411	L1958012-07	Pass	-29.2	-4.1	-	-	-	-
L1959634-10	AA-1	01439	Flow 2	12/10/19	309411		-	-	-	Pass	36.0	46.5	25
L1959634-10	AA-1	2788	2.7L Can	12/10/19	309411	L1957745-04	Pass	-29.1	-2.2	-	-	-	-
L1959634-11	UNUSED CAN #2611	01171	Flow 4	12/10/19	309411		-	-	-	Pass	72	12	143
L1959634-11	UNUSED CAN #2611	2611	2.7L Can	12/10/19	309411	L1957745-04	Pass	-29.2	-27.8	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1957745
Report Date: 12/20/19

Air Canister Certification Results

Lab ID: L1957745-04
Client ID: CAN 481 SHELF 9
Sample Location:

Date Collected: 12/03/19 16:00
Date Received: 12/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/04/19 21:22
Analyst: TS

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1957745
Report Date: 12/20/19

Air Canister Certification Results

Lab ID: L1957745-04
Client ID: CAN 481 SHELF 9
Sample Location:

Date Collected: 12/03/19 16:00
Date Received: 12/04/19
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1957745
Report Date: 12/20/19

Air Canister Certification Results

Lab ID: L1957745-04
Client ID: CAN 481 SHELF 9
Sample Location:

Date Collected: 12/03/19 16:00
Date Received: 12/04/19
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1957745
Report Date: 12/20/19

Air Canister Certification Results

Lab ID: L1957745-04
Client ID: CAN 481 SHELF 9
Sample Location:

Date Collected: 12/03/19 16:00
Date Received: 12/04/19
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1957745
Report Date: 12/20/19

Air Canister Certification Results

Lab ID: L1957745-04
Client ID: CAN 481 SHELF 9
Sample Location:

Date Collected: 12/03/19 16:00
Date Received: 12/04/19
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	114		60-140
Bromochloromethane	110		60-140
chlorobenzene-d5	125		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1957745
Report Date: 12/20/19

Air Canister Certification Results

Lab ID: L1957745-04
Client ID: CAN 481 SHELF 9
Sample Location:

Date Collected: 12/03/19 16:00
Date Received: 12/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/04/19 21:22
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1957745
Report Date: 12/20/19

Air Canister Certification Results

Lab ID: L1957745-04
Client ID: CAN 481 SHELF 9
Sample Location:

Date Collected: 12/03/19 16:00
Date Received: 12/04/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1957745
Report Date: 12/20/19

Air Canister Certification Results

Lab ID: L1957745-04
Client ID: CAN 481 SHELF 9
Sample Location:

Date Collected: 12/03/19 16:00
Date Received: 12/04/19
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	116		60-140
bromochloromethane	111		60-140
chlorobenzene-d5	126		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1958012
Report Date: 12/20/19

Air Canister Certification Results

Lab ID: L1958012-07
Client ID: CAN 2451 SHELF 16
Sample Location:

Date Collected: 12/05/19 09:00
Date Received: 12/05/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/05/19 21:26
Analyst: TS

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1958012

Project Number: CANISTER QC BAT **Report Date:** 12/20/19

Air Canister Certification Results

Lab ID: L1958012-07
Client ID: CAN 2451 SHELF 16
Sample Location:

Date Collected: 12/05/19 09:00
Date Received: 12/05/19
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1958012

Project Number: CANISTER QC BAT **Report Date:** 12/20/19

Air Canister Certification Results

Lab ID: L1958012-07
Client ID: CAN 2451 SHELF 16
Sample Location:

Date Collected: 12/05/19 09:00
Date Received: 12/05/19
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1958012

Project Number: CANISTER QC BAT **Report Date:** 12/20/19

Air Canister Certification Results

Lab ID: L1958012-07
Client ID: CAN 2451 SHELF 16
Sample Location:

Date Collected: 12/05/19 09:00
Date Received: 12/05/19
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1958012
Report Date: 12/20/19

Air Canister Certification Results

Lab ID: L1958012-07
Client ID: CAN 2451 SHELF 16
Sample Location:

Date Collected: 12/05/19 09:00
Date Received: 12/05/19
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1958012

Project Number: CANISTER QC BAT **Report Date:** 12/20/19

Air Canister Certification Results

Lab ID: L1958012-07
Client ID: CAN 2451 SHELF 16
Sample Location:

Date Collected: 12/05/19 09:00
Date Received: 12/05/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/05/19 21:26
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1958012

Project Number: CANISTER QC BAT **Report Date:** 12/20/19

Air Canister Certification Results

Lab ID: L1958012-07
Client ID: CAN 2451 SHELF 16
Sample Location:

Date Collected: 12/05/19 09:00
Date Received: 12/05/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1958012
Report Date: 12/20/19

Air Canister Certification Results

Lab ID: L1958012-07
Client ID: CAN 2451 SHELF 16
Sample Location:

Date Collected: 12/05/19 09:00
Date Received: 12/05/19
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	97		60-140

Project Name: NEW ROCHELLE, NY
Project Number: 10567

Lab Number: L1959634
Report Date: 12/20/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1959634-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1959634-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1959634-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1959634-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1959634-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1959634-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1959634-07A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1959634-08A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1959634-09A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1959634-10A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1959634-11A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	NEW ROCHELLE, NY	**Lab Number:**	L1959634
Project Number:	10567	**Report Date:**	12/20/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	NEW ROCHELLE, NY	**Lab Number:**	L1959634
Project Number:	10567	**Report Date:**	12/20/19

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

Report Format: Data Usability Report

Project Name:	NEW ROCHELLE, NY	**Lab Number:**	L1959634
Project Number:	10567	**Report Date:**	12/20/19

Data Qualifiers

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

AIR ANALYSIS

PAGE 1 OF 2

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

Date Rec'd in Lab: 12/13/19

ALPHA Job #: L1959634

Client Information

Client: SESI
Address: 12a Maple ave
Pine Brook, NJ
Phone: 973 808 9050
Fax:
Email: JAM@sesi.org
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 33 Centre ave
Project Location: New Rochelle, NY
Project #: 10567
Project Manager: Jesse Mausner
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
1 week
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 10567
Phase 3

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
NY		Res

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH (Subset Non-petroleum HCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
9634-01	SV-3	12/11/19	825	855	-30.76	-5.80	SV	JAS	2.72	2430	01450	X					
-02	SV-4		850	920	-30.10	-5.91				417	01136						
-03	SV-10		925	955	-30.74	-4.15				501	01753						
-04	SV-37		1000	1030	-30.68	-6.25				154	01216						
-05	SV-8		1012	1042	-30.68	-4.72				3204	01082						
-06	SV-2		1025	1055	-30.61	-5.89				3100	01498						
-07	SV-9		1058	1108	-30.37	-3.20				2797	01765						
-08	SV-1		1115	1145	-30.65	-5.80				3002	01462						
-09	SV-5		1135	1205	-30.60	-5.72				2431	01396						
	SV-6		1155	1225	-30.90					2611	01171						No analysis-field error water in flow controller

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

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
Jon Stuart	12/12/19	Alex-AAL-12/12/19	11:20
Alex-AAL-12/12/19	15:10	7/12/13 0400	
7/12/13 0400			12/13/19 0400

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

AIR ANALYSIS

PAGE 2 OF 2

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 12/13/19

ALPHA Job #: L1959634

Client Information

Client: SESI
Address: 12a Maple ave
Pine Brook NJ
Phone: 9738089050
Fax:
Email: SAM@sesi.org
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 33 Centre ave, NR
Project Location: New Rochelle, NY
Project #: 10567
Project Manager: Jesse Mausner
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
1 week
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 10587
Phase 3

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
NY		Res

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH (subtract Non-petroleum HCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
10	AA-1	12/11/19	1305	1405	-30.71	-3.50	AA	JCS	2.7L	2785	01439	X					

ANALYSIS

*SAMPLE MATRIX CODES

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
Jon Stuart	12/12/19	Client-AAL 12/12/19	11:20
Client-AAL 12/13/19	15:10	12/13 0400	R13140400

(25-Sep-15)

ANALYTICAL REPORT

Lab Number:	L1961055
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	33 CENTRE AVE
Project Number:	10567
Report Date:	01/29/20

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

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

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

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1961055-01	MW-1	WATER	NEW ROCHELLE	12/19/19 08:00	12/19/19
L1961055-02	MW-2	WATER	NEW ROCHELLE	12/19/19 09:10	12/19/19
L1961055-03	MW-3	WATER	NEW ROCHELLE	12/19/19 11:00	12/19/19
L1961055-04	MW-7D	WATER	NEW ROCHELLE	12/19/19 12:45	12/19/19
L1961055-05	FB	WATER	NEW ROCHELLE	12/19/19 08:00	12/19/19
L1961055-06	TB	WATER	NEW ROCHELLE	12/19/19 00:00	12/19/19

Project Name:	33 CENTRE AVE	**Lab Number:**	L1961055
Project Number:	10567	**Report Date:**	01/29/20

Case Narrative

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

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

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

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

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

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

Project Name:	33 CENTRE AVE	**Lab Number:**	L1961055
Project Number:	10567	**Report Date:**	01/29/20

Case Narrative (continued)

Report Submission

January 29, 2020: This final report includes the results of all requested analyses.

January 03, 2020: This is a preliminary report.

December 27, 2019: This is a preliminary report.

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

Semivolatile Organics

The WG1323709-2 LCS/LCSD recoveries, associated with L1961055-01 through -05, are below the acceptance criteria for benzoic acid (0%/3%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals

L1961055-05: The Field Blank has concentrations above the reporting limit for barium, copper, and sodium. The results were confirmed.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 01/29/20

ORGANICS

VOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-01
Client ID: MW-1
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/25/19 11:18
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.47	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Lab Number: L1961055
Project Number: 10567
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-01
Client ID: MW-1
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-01
Client ID: MW-1
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	94		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-02
Client ID: MW-2
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 09:10
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/25/19 11:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	2.2	J	ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-02
Client ID: MW-2
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 09:10
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-02
Client ID: MW-2
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 09:10
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	93		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-03
Client ID: MW-3
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 11:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/25/19 12:07
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	2.1	J	ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-03
Client ID: MW-3
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 11:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-03
Client ID: MW-3
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 11:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	94		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-04 D
Client ID: MW-7D
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 12:45
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/25/19 12:32
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	4.6	J	ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	1.8	J	ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	510		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
1,3-Dichloropropene, Total	ND		ug/l	2.5	0.72	5
1,1-Dichloropropene	ND		ug/l	12	3.5	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	7.3	J	ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	30		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-04 D
Client ID: MW-7D
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 12:45
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	410		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
Xylenes, Total	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
1,2-Dichloroethene, Total	ND		ug/l	12	3.5	5
Dibromomethane	ND		ug/l	25	5.0	5
1,2,3-Trichloropropane	ND		ug/l	12	3.5	5
Acrylonitrile	ND		ug/l	25	7.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
Vinyl acetate	ND		ug/l	25	5.0	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
2,2-Dichloropropane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,3-Dichloropropane	ND		ug/l	12	3.5	5
1,1,1,2-Tetrachloroethane	ND		ug/l	12	3.5	5
Bromobenzene	ND		ug/l	12	3.5	5
n-Butylbenzene	ND		ug/l	12	3.5	5
sec-Butylbenzene	ND		ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
o-Chlorotoluene	ND		ug/l	12	3.5	5
p-Chlorotoluene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Hexachlorobutadiene	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
p-Isopropyltoluene	ND		ug/l	12	3.5	5
Naphthalene	ND		ug/l	12	3.5	5

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-04 D
Client ID: MW-7D
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 12:45
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	ND		ug/l	12	3.5	5
1,2,4-Trimethylbenzene	ND		ug/l	12	3.5	5
1,4-Dioxane	ND		ug/l	1200	300	5
p-Diethylbenzene	ND		ug/l	10	3.5	5
p-Ethyltoluene	ND		ug/l	10	3.5	5
1,2,4,5-Tetramethylbenzene	ND		ug/l	10	2.7	5
Ethyl ether	ND		ug/l	12	3.5	5
trans-1,4-Dichloro-2-butene	ND		ug/l	12	3.5	5
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-05
Client ID: FB
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/25/19 10:29
Analyst: PD

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

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-05
Client ID: FB
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-05
Client ID: FB
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	93		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-06
Client ID: TB
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 00:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/25/19 10:53
Analyst: PD

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

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-06
Client ID: TB
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 00:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-06
Client ID: TB
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 00:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	93		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/25/19 09:53
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1324726-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/25/19 09:53
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1324726-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/25/19 09:53
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1324726-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/25/19 09:53
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1324726-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1324726-3 WG1324726-4								
Methylene chloride	89		88		70-130	1		20
1,1-Dichloroethane	91		92		70-130	1		20
Chloroform	90		88		70-130	2		20
Carbon tetrachloride	86		84		63-132	2		20
1,2-Dichloropropane	95		94		70-130	1		20
Dibromochloromethane	94		92		63-130	2		20
1,1,2-Trichloroethane	98		97		70-130	1		20
Tetrachloroethene	90		90		70-130	0		20
Chlorobenzene	96		95		75-130	1		20
Trichlorofluoromethane	85		82		62-150	4		20
1,2-Dichloroethane	86		87		70-130	1		20
1,1,1-Trichloroethane	87		86		67-130	1		20
Bromodichloromethane	89		88		67-130	1		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	94		94		70-130	0		20
1,1-Dichloropropene	90		89		70-130	1		20
Bromoform	88		90		54-136	2		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	92		91		70-130	1		20
Toluene	96		95		70-130	1		20
Ethylbenzene	98		96		70-130	2		20
Chloromethane	88		85		64-130	3		20
Bromomethane	42		43		39-139	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1324726-3 WG1324726-4								
Vinyl chloride	87		86		55-140	1		20
Chloroethane	89		84		55-138	6		20
1,1-Dichloroethene	88		86		61-145	2		20
trans-1,2-Dichloroethene	90		88		70-130	2		20
Trichloroethene	90		89		70-130	1		20
1,2-Dichlorobenzene	99		97		70-130	2		20
1,3-Dichlorobenzene	99		98		70-130	1		20
1,4-Dichlorobenzene	98		96		70-130	2		20
Methyl tert butyl ether	89		91		63-130	2		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	91		90		70-130	1		20
Dibromomethane	88		87		70-130	1		20
1,2,3-Trichloropropane	99		99		64-130	0		20
Acrylonitrile	98		100		70-130	2		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	59		58		36-147	2		20
Acetone	100		99		58-148	1		20
Carbon disulfide	89		87		51-130	2		20
2-Butanone	97		95		63-138	2		20
Vinyl acetate	120		130		70-130	8		20
4-Methyl-2-pentanone	100		100		59-130	0		20
2-Hexanone	100		100		57-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1324726-3 WG1324726-4								
Bromochloromethane	94		93		70-130	1		20
2,2-Dichloropropane	80		88		63-133	10		20
1,2-Dibromoethane	95		94		70-130	1		20
1,3-Dichloropropane	99		99		70-130	0		20
1,1,1,2-Tetrachloroethane	95		94		64-130	1		20
Bromobenzene	97		94		70-130	3		20
n-Butylbenzene	100		99		53-136	1		20
sec-Butylbenzene	95		100		70-130	5		20
tert-Butylbenzene	98		96		70-130	2		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	89		87		41-144	2		20
Hexachlorobutadiene	91		91		63-130	0		20
Isopropylbenzene	100		98		70-130	2		20
p-Isopropyltoluene	94		92		70-130	2		20
Naphthalene	92		91		70-130	1		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	92		92		70-130	0		20
1,2,4-Trichlorobenzene	95		94		70-130	1		20
1,3,5-Trimethylbenzene	100		99		64-130	1		20
1,2,4-Trimethylbenzene	100		98		70-130	2		20
1,4-Dioxane	96		98		56-162	2		20
p-Diethylbenzene	96		94		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961055

Report Date: 01/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1324726-3 WG1324726-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	93		92		70-130	1		20
Ethyl ether	89		88		59-134	1		20
trans-1,4-Dichloro-2-butene	110		110		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		92		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	91		92		70-130

SEMIVOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-01
Client ID: MW-1
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/19 06:11
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-01
Client ID: MW-1
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Tentatively Identified Compounds						
Total TIC Compounds	12.7	J	ug/l			1
Aldol Condensates (A)	12.7	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		21-120
Phenol-d6	74		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	95		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-01
Client ID: MW-1
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/24/19 16:49
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 00:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.34	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-01
Client ID: MW-1
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		21-120
Phenol-d6	73		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	100		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	130		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-01
Client ID: MW-1
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/27/19 02:09
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 12/24/19 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	49		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-01
Client ID: MW-1
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/24/20 13:57
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/30/19 10:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	3.50		ng/l	1.84	0.375	1
Perfluoropentanoic Acid (PFPeA)	4.14		ng/l	1.84	0.364	1
Perfluorobutanesulfonic Acid (PFBS)	4.41		ng/l	1.84	0.219	1
Perfluorohexanoic Acid (PFHxA)	4.17		ng/l	1.84	0.301	1
Perfluoroheptanoic Acid (PFHpA)	3.43		ng/l	1.84	0.207	1
Perfluorohexanesulfonic Acid (PFHxS)	9.05		ng/l	1.84	0.346	1
Perfluorooctanoic Acid (PFOA)	16.0		ng/l	1.84	0.217	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.84	1.22	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.32	J	ng/l	1.84	0.632	1
Perfluorononanoic Acid (PFNA)	1.97		ng/l	1.84	0.287	1
Perfluorooctanesulfonic Acid (PFOS)	93.8		ng/l	1.84	0.463	1
Perfluorodecanoic Acid (PFDA)	2.80		ng/l	1.84	0.279	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.84	1.11	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.84	0.596	1
Perfluoroundecanoic Acid (PFUnA)	1.28	J	ng/l	1.84	0.239	1
Perfluorodecanesulfonic Acid (PFDS)	1.52	J	ng/l	1.84	0.901	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.84	0.533	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.84	0.739	1
Perfluorododecanoic Acid (PFDoA)	1.08	J	ng/l	1.84	0.342	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.84	0.301	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.84	0.228	1
PFOA/PFOS, Total	110		ng/l	1.84	0.217	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-01
Client ID: MW-1
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	141		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	43		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	80		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	37		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	46		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	68		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	63		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-02
Client ID: MW-2
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 09:10
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/19 06:38
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-02
Client ID: MW-2
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 09:10
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Tentatively Identified Compounds						
Total TIC Compounds	15.7	J	ug/l			1
Unknown	1.67	J	ug/l			1
Aldol Condensates (A)	10.4	J	ug/l			1
Unknown	1.64	J	ug/l			1
Unknown	1.96	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	79		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-02
Client ID: MW-2
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 09:10
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/24/19 17:05
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 00:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.07	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.04	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	0.06	J	ug/l	0.10	0.01	1
Anthracene	0.14		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.05	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.08	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.24	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-02
Client ID: MW-2
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 09:10
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	62		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	112		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-02
Client ID: MW-2
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 09:10
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/27/19 02:37
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 12/24/19 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	130.	J	ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	45		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-02
Client ID: MW-2
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 09:10
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/24/20 14:13
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/30/19 10:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	23.3		ng/l	1.74	0.355	1
Perfluoropentanoic Acid (PFPeA)	22.5		ng/l	1.74	0.345	1
Perfluorobutanesulfonic Acid (PFBS)	44.2		ng/l	1.74	0.207	1
Perfluorohexanoic Acid (PFHxA)	28.3		ng/l	1.74	0.286	1
Perfluoroheptanoic Acid (PFHpA)	25.9		ng/l	1.74	0.196	1
Perfluorohexanesulfonic Acid (PFHxS)	24.8		ng/l	1.74	0.328	1
Perfluorooctanoic Acid (PFOA)	96.6		ng/l	1.74	0.206	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.74	1.16	1
Perfluoroheptanesulfonic Acid (PFHpS)	6.36		ng/l	1.74	0.599	1
Perfluorononanoic Acid (PFNA)	3.99		ng/l	1.74	0.272	1
Perfluorooctanesulfonic Acid (PFOS)	199		ng/l	1.74	0.439	1
Perfluorodecanoic Acid (PFDA)	1.57	J	ng/l	1.74	0.265	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.74	1.06	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.74	0.564	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.74	0.226	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.74	0.854	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.74	0.505	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.74	0.700	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.74	0.324	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.74	0.285	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.74	0.216	1
PFOA/PFOS, Total	296		ng/l	1.74	0.206	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-02
Client ID: MW-2
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 09:10
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	71		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	80		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	60		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	74		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	197		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	156		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	66		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	43		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	74		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	71		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	61		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-03
Client ID: MW-3
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 11:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/19 07:05
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-03
Client ID: MW-3
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 11:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-03
Client ID: MW-3
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 11:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	189	J	ug/l			1
Aldol Condensates (A)	11.0	J	ug/l			1
Unknown	4.54	J	ug/l			1
Unknown Alkane	10.7	J	ug/l			1
Unknown Alkane	5.85	J	ug/l			1
Unknown Alkane	6.91	J	ug/l			1
Unknown Alkane	57.5	J	ug/l			1
Unknown	26.5	J	ug/l			1
Unknown	5.67	J	ug/l			1
Unknown	6.04	J	ug/l			1
Unknown	7.31	J	ug/l			1
Unknown Alkane	5.74	J	ug/l			1
Unknown Alkane	18.0	J	ug/l			1
Unknown Cyclohexane	9.56	J	ug/l			1
Unknown	5.74	J	ug/l			1
Unknown Alkane	8.18	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	79		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-03
Client ID: MW-3
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 11:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/24/19 17:21
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 00:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.05	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.02	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	0.02	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.03	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.03	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.06	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.44	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 33 CENTRE AVE
Lab Number: L1961055
Project Number: 10567
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-03
Client ID: MW-3
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 11:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	119		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-03
Client ID: MW-3
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 11:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/27/19 03:04
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 12/24/19 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	50		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-03
Client ID: MW-3
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 11:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/24/20 14:30
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/30/19 10:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	5.32		ng/l	1.79	0.366	1
Perfluoropentanoic Acid (PFPeA)	5.35		ng/l	1.79	0.355	1
Perfluorobutanesulfonic Acid (PFBS)	17.8		ng/l	1.79	0.213	1
Perfluorohexanoic Acid (PFHxA)	4.82		ng/l	1.79	0.294	1
Perfluoroheptanoic Acid (PFHpA)	5.12		ng/l	1.79	0.202	1
Perfluorohexanesulfonic Acid (PFHxS)	14.9		ng/l	1.79	0.337	1
Perfluorooctanoic Acid (PFOA)	25.0		ng/l	1.79	0.211	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	8.90		ng/l	1.79	1.19	1
Perfluoroheptanesulfonic Acid (PFHpS)	9.86		ng/l	1.79	0.616	1
Perfluorononanoic Acid (PFNA)	1.80		ng/l	1.79	0.280	1
Perfluorooctanesulfonic Acid (PFOS)	332		ng/l	1.79	0.452	1
Perfluorodecanoic Acid (PFDA)	2.04		ng/l	1.79	0.272	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.79	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.79	0.581	1
Perfluoroundecanoic Acid (PFUnA)	0.878	J	ng/l	1.79	0.233	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.79	0.878	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.79	0.520	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.79	0.720	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.79	0.333	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.79	0.293	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.79	0.222	1
PFOA/PFOS, Total	357		ng/l	1.79	0.211	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-03
Client ID: MW-3
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 11:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	88		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	157		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	81		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	113		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	54		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	34		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	81		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	64		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-04
Client ID: MW-7D
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 12:45
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/19 07:32
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-04
Client ID: MW-7D
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 12:45
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Tentatively Identified Compounds						
Total TIC Compounds	11.2	J	ug/l			1
Aldol Condensates (A)	7.67	J	ug/l			1
Unknown	2.07	J	ug/l			1
Unknown	1.49	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	52		10-120
4-Terphenyl-d14	61		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-04
Client ID: MW-7D
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 12:45
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/24/19 17:37
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 00:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.06	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.03	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.02	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.32	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-04
Client ID: MW-7D
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 12:45
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	89		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-04
Client ID: MW-7D
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 12:45
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/27/19 03:30
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 12/24/19 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	20000		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	55		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-04
Client ID: MW-7D
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 12:45
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/24/20 15:03
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/30/19 10:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	43.1		ng/l	1.82	0.372	1
Perfluoropentanoic Acid (PFPeA)	45.4		ng/l	1.82	0.361	1
Perfluorobutanesulfonic Acid (PFBS)	115		ng/l	1.82	0.217	1
Perfluorohexanoic Acid (PFHxA)	47.5		ng/l	1.82	0.299	1
Perfluoroheptanoic Acid (PFHpA)	48.5		ng/l	1.82	0.205	1
Perfluorohexanesulfonic Acid (PFHxS)	11.6		ng/l	1.82	0.343	1
Perfluorooctanoic Acid (PFOA)	252		ng/l	1.82	0.215	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.82	1.22	1
Perfluoroheptanesulfonic Acid (PFHpS)	8.80		ng/l	1.82	0.628	1
Perfluorononanoic Acid (PFNA)	3.52		ng/l	1.82	0.285	1
Perfluorooctanesulfonic Acid (PFOS)	386		ng/l	1.82	0.460	1
Perfluorodecanoic Acid (PFDA)	2.32		ng/l	1.82	0.277	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.82	1.10	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2.01		ng/l	1.82	0.591	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.82	0.237	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.82	0.894	1
Perfluorooctanesulfonamide (FOSA)	2.61		ng/l	1.82	0.529	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.35		ng/l	1.82	0.734	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.82	0.339	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.82	0.298	1
Perfluorotetradecanoic Acid (PFTA)	0.339	J	ng/l	1.82	0.226	1
PFOA/PFOS, Total	638		ng/l	1.82	0.215	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-04
Client ID: MW-7D
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 12:45
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	82		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	84		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	66		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	79		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	124		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	88		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	37		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	72		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	41		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	40		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	59		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	56		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-05
Client ID: FB
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/19 07:59
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-05
Client ID: FB
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Tentatively Identified Compounds						
Total TIC Compounds	12.3	J	ug/l			1
Aldol Condensates (A)	12.3	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		21-120
Phenol-d6	63		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	82		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-05
Client ID: FB
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/24/19 17:53
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 00:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.24	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-05
Client ID: FB
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		21-120
Phenol-d6	72		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	99		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	123		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-05
Client ID: FB
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/27/19 04:52
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 12/24/19 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	53		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-05
Client ID: FB
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/24/20 11:44
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/30/19 10:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.81	0.370	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.81	0.359	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.81	0.216	1
Perfluorohexanoic Acid (PFHxA)	0.373	J	ng/l	1.81	0.297	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.81	0.204	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.81	0.340	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.81	0.214	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.81	1.21	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.81	0.623	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.81	0.283	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.81	0.456	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.81	0.275	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.81	1.10	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.81	0.587	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.81	0.236	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.81	0.888	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.81	0.525	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.81	0.728	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.81	0.337	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.81	0.296	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.81	0.225	1
PFOA/PFOS, Total	ND		ng/l	1.81	0.214	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-05
Client ID: FB
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	71		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	81		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	60		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	62		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/24/19 01:14
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 12/22/19 08:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1323709-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/24/19 01:14
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 12/22/19 08:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1323709-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/24/19 01:14
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 12/22/19 08:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1323709-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds			
Total TIC Compounds	69.5	J	ug/l
Aldol Condensates (A)	67.2	J	ug/l
Unknown Siloxane	2.25	J	ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	42		10-120
4-Terphenyl-d14	77		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/24/19 13:52
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 12/22/19 08:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG1323710-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/24/19 13:52
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 12/22/19 08:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG1323710-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	52		10-120
4-Terphenyl-d14	112		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/26/19 11:33
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 12/24/19 09:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-05 Batch: WG1324410-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	57		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/24/20 10:38
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/30/19 10:16

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-05 Batch: WG1325679-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	0.392	J	ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	0.320	J	ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	0.320	J	ng/l	2.00	0.236

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/24/20 10:38
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/30/19 10:16

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-05 Batch: WG1325679-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	98		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	69		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	74		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	56		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	44		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	54		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	74		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	71		33-143

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1323709-2 WG1323709-3								
Acenaphthene	100		97		37-111	3		30
1,2,4-Trichlorobenzene	95		93		39-98	2		30
Hexachlorobenzene	93		93		40-140	0		30
Bis(2-chloroethyl)ether	96		94		40-140	2		30
2-Chloronaphthalene	102		99		40-140	3		30
1,2-Dichlorobenzene	90		93		40-140	3		30
1,3-Dichlorobenzene	88		89		40-140	1		30
1,4-Dichlorobenzene	88		91		36-97	3		30
3,3'-Dichlorobenzidine	83		65		40-140	24		30
2,4-Dinitrotoluene	101		99		48-143	2		30
2,6-Dinitrotoluene	105		100		40-140	5		30
Fluoranthene	114		107		40-140	6		30
4-Chlorophenyl phenyl ether	96		96		40-140	0		30
4-Bromophenyl phenyl ether	102		99		40-140	3		30
Bis(2-chloroisopropyl)ether	88		89		40-140	1		30
Bis(2-chloroethoxy)methane	99		98		40-140	1		30
Hexachlorobutadiene	94		89		40-140	5		30
Hexachlorocyclopentadiene	83		80		40-140	4		30
Hexachloroethane	79		85		40-140	7		30
Isophorone	103		101		40-140	2		30
Naphthalene	98		93		40-140	5		30
Nitrobenzene	92		90		40-140	2		30
NDPA/DPA	100		98		40-140	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1323709-2 WG1323709-3								
n-Nitrosodi-n-propylamine	98		97		29-132	1		30
Bis(2-ethylhexyl)phthalate	109		109		40-140	0		30
Butyl benzyl phthalate	104		102		40-140	2		30
Di-n-butylphthalate	108		104		40-140	4		30
Di-n-octylphthalate	105		107		40-140	2		30
Diethyl phthalate	99		97		40-140	2		30
Dimethyl phthalate	101		96		40-140	5		30
Benzo(a)anthracene	107		106		40-140	1		30
Benzo(a)pyrene	92		93		40-140	1		30
Benzo(b)fluoranthene	106		114		40-140	7		30
Benzo(k)fluoranthene	102		101		40-140	1		30
Chrysene	102		98		40-140	4		30
Acenaphthylene	105		102		45-123	3		30
Anthracene	108		103		40-140	5		30
Benzo(ghi)perylene	109		114		40-140	4		30
Fluorene	100		100		40-140	0		30
Phenanthrene	101		100		40-140	1		30
Dibenzo(a,h)anthracene	105		106		40-140	1		30
Indeno(1,2,3-cd)pyrene	116		116		40-140	0		30
Pyrene	106		104		26-127	2		30
Biphenyl	104		98		40-140	6		30
4-Chloroaniline	88		70		40-140	23		30
2-Nitroaniline	107		98		52-143	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1323709-2 WG1323709-3								
3-Nitroaniline	97		74		25-145	27		30
4-Nitroaniline	86		80		51-143	7		30
Dibenzofuran	102		97		40-140	5		30
2-Methylnaphthalene	106		99		40-140	7		30
1,2,4,5-Tetrachlorobenzene	98		91		2-134	7		30
Acetophenone	98		96		39-129	2		30
2,4,6-Trichlorophenol	100		95		30-130	5		30
p-Chloro-m-cresol	**115**	Q	**105**	Q	23-97	9		30
2-Chlorophenol	96		96		27-123	0		30
2,4-Dichlorophenol	103		104		30-130	1		30
2,4-Dimethylphenol	59		71		30-130	18		30
2-Nitrophenol	98		93		30-130	5		30
4-Nitrophenol	**91**	Q	**82**	Q	10-80	10		30
2,4-Dinitrophenol	56		63		20-130	12		30
4,6-Dinitro-o-cresol	76		82		20-164	8		30
Pentachlorophenol	70		75		9-103	7		30
Phenol	78		74		12-110	5		30
2-Methylphenol	96		95		30-130	1		30
3-Methylphenol/4-Methylphenol	96		95		30-130	1		30
2,4,5-Trichlorophenol	103		97		30-130	6		30
Benzoic Acid	**0**	Q	**0**	Q	10-164	NC		30
Benzyl Alcohol	95		92		26-116	3		30
Carbazole	107		102		55-144	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961055

Report Date: 01/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1323709-2 WG1323709-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	86		79		21-120
Phenol-d6	73		69		10-120
Nitrobenzene-d5	70		71		23-120
2-Fluorobiphenyl	76		72		15-120
2,4,6-Tribromophenol	83		86		10-120
4-Terphenyl-d14	92		87		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG1323710-2 WG1323710-3								
Acenaphthene	99		93		40-140	6		40
2-Chloronaphthalene	96		88		40-140	9		40
Fluoranthene	102		98		40-140	4		40
Hexachlorobutadiene	94		85		40-140	10		40
Naphthalene	96		87		40-140	10		40
Benzo(a)anthracene	98		92		40-140	6		40
Benzo(a)pyrene	109		104		40-140	5		40
Benzo(b)fluoranthene	113		110		40-140	3		40
Benzo(k)fluoranthene	111		106		40-140	5		40
Chrysene	98		90		40-140	9		40
Acenaphthylene	93		87		40-140	7		40
Anthracene	103		97		40-140	6		40
Benzo(ghi)perylene	55		54		40-140	2		40
Fluorene	101		96		40-140	5		40
Phenanthrene	100		95		40-140	5		40
Dibenzo(a,h)anthracene	116		112		40-140	4		40
Indeno(1,2,3-cd)pyrene	109		106		40-140	3		40
Pyrene	102		97		40-140	5		40
2-Methylnaphthalene	97		89		40-140	9		40
Pentachlorophenol	68		97		40-140	35		40
Hexachlorobenzene	114		107		40-140	6		40
Hexachloroethane	86		80		40-140	7		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961055

Report Date: 01/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG1323710-2 WG1323710-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		70		21-120
Phenol-d6	65		60		10-120
Nitrobenzene-d5	93		85		23-120
2-Fluorobiphenyl	90		83		15-120
2,4,6-Tribromophenol	70		87		10-120
4-Terphenyl-d14	109		103		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961055

Report Date: 01/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab	Associated sample(s): 01-05		Batch: WG1324410-2 WG1324410-3					
1,4-Dioxane	112		110		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	53		51		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961055

Report Date: 01/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05 Batch: WG1325679-2 WG1325679-3								
Perfluorobutanoic Acid (PFBA)	107		105		67-148	2		30
Perfluoropentanoic Acid (PFPeA)	111		111		63-161	0		30
Perfluorobutanesulfonic Acid (PFBS)	102		101		65-157	1		30
Perfluorohexanoic Acid (PFHxA)	107		107		69-168	0		30
Perfluoroheptanoic Acid (PFHpA)	105		106		58-159	1		30
Perfluorohexanesulfonic Acid (PFHxS)	106		101		69-177	5		30
Perfluorooctanoic Acid (PFOA)	114		107		63-159	6		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	123		117		49-187	5		30
Perfluoroheptanesulfonic Acid (PFHpS)	106		106		61-179	0		30
Perfluorononanoic Acid (PFNA)	110		110		68-171	0		30
Perfluorooctanesulfonic Acid (PFOS)	102		98		52-151	4		30
Perfluorodecanoic Acid (PFDA)	103		106		63-171	3		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	138		106		56-173	26		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	141		105		60-166	29		30
Perfluoroundecanoic Acid (PFUnA)	107		106		60-153	1		30
Perfluorodecanesulfonic Acid (PFDS)	109		106		38-156	3		30
Perfluorooctanesulfonamide (FOSA)	102		109		46-170	7		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	114		91		45-170	22		30
Perfluorododecanoic Acid (PFDoA)	112		112		67-153	0		30
Perfluorotridecanoic Acid (PFTrDA)	122		121		48-158	1		30
Perfluorotetradecanoic Acid (PFTA)	112		109		59-182	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961055

Report Date: 01/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05 Batch: WG1325679-2 WG1325679-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		94		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92		96		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	84		95		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85		90		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		92		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	86		98		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		93		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	68		83		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		92		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	85		97		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88		85		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	70		90		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	52		61		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		91		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	52		54		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	59		67		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		79		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	76		76		33-143

Matrix Spike Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab	Associated sample(s): 01-05	QC Batch ID: WG1324410-4	QC Sample: L1961055-02	Client ID: MW-2								
1,4-Dioxane	130.J	4810	5710	119		-	-		40-140	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,4-Dioxane-d8	42				15-110

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1324410-5 QC Sample: L1961055-03 Client ID: MW-3						
1,4-Dioxane	ND	ND	ng/l	NC		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	50		48		15-110

PCBS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-01
Client ID: MW-1
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/19 01:40
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 02:55
Cleanup Method: EPA 3665A
Cleanup Date: 12/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 12/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	B
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-02
Client ID: MW-2
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 09:10
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/19 01:53
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 02:55
Cleanup Method: EPA 3665A
Cleanup Date: 12/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 12/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	B
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-03
Client ID: MW-3
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 11:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/19 02:07
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 02:55
Cleanup Method: EPA 3665A
Cleanup Date: 12/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 12/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	B
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-04
Client ID: MW-7D
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 12:45
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/19 02:21
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 02:55
Cleanup Method: EPA 3665A
Cleanup Date: 12/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 12/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	0.043	J	ug/l	0.083	0.032	1	B
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	0.043	J	ug/l	0.083	0.032	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-05
Client ID: FB
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/19 04:35
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 02:55
Cleanup Method: EPA 3665A
Cleanup Date: 12/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 12/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	0.047	J	ug/l	0.083	0.032	1	B
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	0.047	J	ug/l	0.083	0.032	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/24/19 03:00
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 02:55
Cleanup Method: EPA 3665A
Cleanup Date: 12/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 12/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05 Batch: WG1323828-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
Aroclor 1260	0.039	J	ug/l	0.083	0.032	B
PCBs, Total	0.039	J	ug/l	0.083	0.032	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	34		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	39		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961055

Report Date: 01/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1323828-2 WG1323828-3									
Aroclor 1016	82		90		40-140	9		50	A
Aroclor 1260	72		81		40-140	12		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		89		30-150	A
Decachlorobiphenyl	**27**	Q	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		84		30-150	B
Decachlorobiphenyl	33		45		30-150	B

PESTICIDES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-01
Client ID: MW-1
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/23/19 10:24
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 02:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	0.005	JP	ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1961055
Project Number: 10567
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-01
Client ID: MW-1
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	119		30-150	A
Decachlorobiphenyl	115		30-150	A
2,4,5,6-Tetrachloro-m-xylene	110		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-02
Client ID: MW-2
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 09:10
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/23/19 10:35
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 02:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1961055
Project Number: 10567
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-02
Client ID: MW-2
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 09:10
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-03
Client ID: MW-3
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 11:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/23/19 10:46
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 02:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND	IP	ug/l	0.029	0.003	1	B
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1961055
Project Number: 10567
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-03
Client ID: MW-3
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 11:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-04
Client ID: MW-7D
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 12:45
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/23/19 10:58
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 02:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	0.015		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1961055
Project Number: 10567
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-04
Client ID: MW-7D
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 12:45
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	113		30-150	A
Decachlorobiphenyl	122		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-05
Client ID: FB
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/23/19 11:09
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 02:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1961055
Project Number: 10567
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-05
Client ID: FB
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	117		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/23/19 09:38
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 02:40

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG1323827-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/23/19 09:38
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 02:40

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG1323827-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	53		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961055

Report Date: 01/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1323827-2 WG1323827-3									
Delta-BHC	83		86		30-150	4		20	A
Lindane	76		81		30-150	7		20	A
Alpha-BHC	84		89		30-150	5		20	A
Beta-BHC	81		84		30-150	4		20	A
Heptachlor	83		87		30-150	4		20	A
Aldrin	82		87		30-150	6		20	A
Heptachlor epoxide	87		94		30-150	7		20	A
Endrin	95		100		30-150	5		20	A
Endrin aldehyde	88		98		30-150	11		20	A
Endrin ketone	98		107		30-150	9		20	A
Dieldrin	97		104		30-150	7		20	A
4,4'-DDE	91		97		30-150	6		20	A
4,4'-DDD	94		98		30-150	4		20	A
4,4'-DDT	96		104		30-150	8		20	A
Endosulfan I	87		94		30-150	8		20	A
Endosulfan II	87		93		30-150	6		20	A
Endosulfan sulfate	106		116		30-150	9		20	A
Methoxychlor	89		109		30-150	20		20	A
cis-Chlordane	77		83		30-150	7		20	A
trans-Chlordane	87		92		30-150	6		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1323827-2 WG1323827-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		101		30-150	A
Decachlorobiphenyl	73		48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		101		30-150	B
Decachlorobiphenyl	68		46		30-150	B

METALS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-01
Client ID: MW-1
Sample Location: NEW ROCHELLE
Sample Depth:
Matrix: Water

Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0276		mg/l	0.0100	0.00327	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Antimony, Total	0.00049	J	mg/l	0.00400	0.00042	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Arsenic, Total	0.00038	J	mg/l	0.00050	0.00016	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Barium, Total	0.05694		mg/l	0.00050	0.00017	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Calcium, Total	69.4		mg/l	0.100	0.0394	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Chromium, Total	0.00113		mg/l	0.00100	0.00017	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Cobalt, Total	0.00018	J	mg/l	0.00050	0.00016	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Copper, Total	0.00332		mg/l	0.00100	0.00038	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Iron, Total	0.188		mg/l	0.0500	0.0191	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Magnesium, Total	39.4		mg/l	0.0700	0.0242	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Manganese, Total	0.2171		mg/l	0.00200	0.00044	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/24/19 11:01	12/26/19 13:06	EPA 7470A	1,7470A	GD
Nickel, Total	0.00281		mg/l	0.00200	0.00055	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Potassium, Total	11.0		mg/l	0.100	0.0309	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Selenium, Total	0.00262	J	mg/l	0.00500	0.00173	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Sodium, Total	218.		mg/l	0.100	0.0293	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Thallium, Total	ND		mg/l	0.00050	0.00014	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG
Zinc, Total	ND		mg/l	0.01000	0.00341	1	12/26/19 11:53	12/26/19 17:45	EPA 3005A	1,6020B	MG

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-02
Client ID: MW-2
Sample Location: NEW ROCHELLE
Sample Depth:
Matrix: Water

Date Collected: 12/19/19 09:10
Date Received: 12/19/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0202		mg/l	0.0100	0.00327	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Arsenic, Total	0.00021	J	mg/l	0.00050	0.00016	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Barium, Total	0.05653		mg/l	0.00050	0.00017	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Calcium, Total	262.		mg/l	0.100	0.0394	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Chromium, Total	0.01179		mg/l	0.00100	0.00017	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Cobalt, Total	0.00182		mg/l	0.00050	0.00016	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Copper, Total	0.00996		mg/l	0.00100	0.00038	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Iron, Total	1.30		mg/l	0.0500	0.0191	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Lead, Total	0.00730		mg/l	0.00100	0.00034	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Magnesium, Total	289.		mg/l	0.0700	0.0242	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Manganese, Total	5.431		mg/l	0.00200	0.00044	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/24/19 11:01	12/26/19 13:08	EPA 7470A	1,7470A	GD
Nickel, Total	0.00777		mg/l	0.00200	0.00055	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Potassium, Total	20.9		mg/l	0.100	0.0309	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Selenium, Total	0.00232	J	mg/l	0.00500	0.00173	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Sodium, Total	882.		mg/l	5.00	1.46	50	12/26/19 11:53	12/26/19 19:12	EPA 3005A	1,6020B	MG
Thallium, Total	ND		mg/l	0.00050	0.00014	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG
Zinc, Total	ND		mg/l	0.01000	0.00341	1	12/26/19 11:53	12/26/19 17:49	EPA 3005A	1,6020B	MG

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-03
Client ID: MW-3
Sample Location: NEW ROCHELLE
Sample Depth:
Matrix: Water

Date Collected: 12/19/19 11:00
Date Received: 12/19/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.427		mg/l	0.0100	0.00327	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Antimony, Total	0.00072	J	mg/l	0.00400	0.00042	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Arsenic, Total	0.00076		mg/l	0.00050	0.00016	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Barium, Total	0.06628		mg/l	0.00050	0.00017	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Calcium, Total	41.2		mg/l	0.100	0.0394	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Chromium, Total	0.02283		mg/l	0.00100	0.00017	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Cobalt, Total	0.00061		mg/l	0.00050	0.00016	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Copper, Total	0.00798		mg/l	0.00100	0.00038	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Iron, Total	0.734		mg/l	0.0500	0.0191	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Lead, Total	0.00382		mg/l	0.00100	0.00034	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Magnesium, Total	63.8		mg/l	0.0700	0.0242	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Manganese, Total	0.8069		mg/l	0.00200	0.00044	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/24/19 11:01	12/26/19 13:10	EPA 7470A	1,7470A	GD
Nickel, Total	0.00471		mg/l	0.00200	0.00055	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Potassium, Total	13.9		mg/l	0.100	0.0309	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Selenium, Total	0.00233	J	mg/l	0.00500	0.00173	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Sodium, Total	459.		mg/l	0.100	0.0293	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Thallium, Total	ND		mg/l	0.00050	0.00014	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Vanadium, Total	0.00207	J	mg/l	0.00500	0.00157	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG
Zinc, Total	0.03229		mg/l	0.01000	0.00341	1	12/26/19 11:53	12/26/19 19:44	EPA 3005A	1,6020B	MG

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-04
Client ID: MW-7D
Sample Location: NEW ROCHELLE
Sample Depth:
Matrix: Water

Date Collected: 12/19/19 12:45
Date Received: 12/19/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.136		mg/l	0.0100	0.00327	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Arsenic, Total	0.00126		mg/l	0.00050	0.00016	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Barium, Total	0.06049		mg/l	0.00050	0.00017	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Cadmium, Total	0.00009	J	mg/l	0.00020	0.00005	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Calcium, Total	33.2		mg/l	0.100	0.0394	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Chromium, Total	0.00530		mg/l	0.00100	0.00017	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Cobalt, Total	0.00453		mg/l	0.00050	0.00016	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Copper, Total	0.00438		mg/l	0.00100	0.00038	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Iron, Total	0.0918		mg/l	0.0500	0.0191	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Magnesium, Total	7.61		mg/l	0.0700	0.0242	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Manganese, Total	0.3570		mg/l	0.00200	0.00044	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/24/19 11:01	12/26/19 13:13	EPA 7470A	1,7470A	GD
Nickel, Total	0.2122		mg/l	0.00200	0.00055	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Potassium, Total	11.0		mg/l	0.100	0.0309	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Sodium, Total	314.		mg/l	0.100	0.0293	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Thallium, Total	ND		mg/l	0.00050	0.00014	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Vanadium, Total	0.00572		mg/l	0.00500	0.00157	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG
Zinc, Total	ND		mg/l	0.01000	0.00341	1	12/26/19 11:53	12/26/19 18:30	EPA 3005A	1,6020B	MG

Project Name: 33 CENTRE AVE
Lab Number: L1961055
Project Number: 10567
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-05
Client ID: FB
Sample Location: NEW ROCHELLE
Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Barium, Total	0.00068		mg/l	0.00050	0.00017	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Calcium, Total	0.0561	J	mg/l	0.100	0.0394	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Chromium, Total	0.00019	J	mg/l	0.00100	0.00017	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Copper, Total	0.00181		mg/l	0.00100	0.00038	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Iron, Total	ND		mg/l	0.0500	0.0191	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Manganese, Total	ND		mg/l	0.00200	0.00044	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/24/19 11:01	12/26/19 13:15	EPA 7470A	1,7470A	GD
Nickel, Total	ND		mg/l	0.00200	0.00055	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Potassium, Total	ND		mg/l	0.100	0.0309	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Sodium, Total	0.339		mg/l	0.100	0.0293	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Thallium, Total	ND		mg/l	0.00050	0.00014	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG
Zinc, Total	ND		mg/l	0.01000	0.00341	1	12/26/19 11:53	12/26/19 18:17	EPA 3005A	1,6020B	MG

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1324512-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/24/19 11:01	12/26/19 12:48	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1324848-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Barium, Total	ND		mg/l	0.00050	0.00017	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Calcium, Total	ND		mg/l	0.100	0.0394	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Chromium, Total	0.00017	J	mg/l	0.00100	0.00017	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Copper, Total	ND		mg/l	0.00100	0.00038	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Iron, Total	ND		mg/l	0.0500	0.0191	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Manganese, Total	0.00123	J	mg/l	0.00200	0.00044	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Nickel, Total	ND		mg/l	0.00200	0.00055	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Potassium, Total	ND		mg/l	0.100	0.0309	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Sodium, Total	ND		mg/l	0.100	0.0293	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Thallium, Total	ND		mg/l	0.00050	0.00014	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG
Zinc, Total	ND		mg/l	0.01000	0.00341	1	12/26/19 11:53	12/26/19 17:15	1,6020B	MG

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961055

Report Date: 01/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1324512-2								
Mercury, Total	107		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961055

Report Date: 01/29/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1324848-2					
Aluminum, Total	104	-	80-120	-	
Antimony, Total	94	-	80-120	-	
Arsenic, Total	109	-	80-120	-	
Barium, Total	97	-	80-120	-	
Beryllium, Total	107	-	80-120	-	
Cadmium, Total	102	-	80-120	-	
Calcium, Total	100	-	80-120	-	
Chromium, Total	102	-	80-120	-	
Cobalt, Total	99	-	80-120	-	
Copper, Total	98	-	80-120	-	
Iron, Total	110	-	80-120	-	
Lead, Total	101	-	80-120	-	
Magnesium, Total	102	-	80-120	-	
Manganese, Total	100	-	80-120	-	
Nickel, Total	103	-	80-120	-	
Potassium, Total	102	-	80-120	-	
Selenium, Total	112	-	80-120	-	
Silver, Total	95	-	80-120	-	
Sodium, Total	99	-	80-120	-	
Thallium, Total	99	-	80-120	-	
Vanadium, Total	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961055

Report Date: 01/29/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1324848-2					
Zinc, Total	107	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1324512-3 QC Sample: L1961512-09 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00493	99		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1324848-3 QC Sample: L1961578-01 Client ID: MS Sample										
Aluminum, Total	52.2	2	53.3	**55**	Q	-	-	75-125	-	20
Antimony, Total	ND	0.5	0.2003	**40**	Q	-	-	75-125	-	20
Arsenic, Total	0.03622	0.12	0.1549	99		-	-	75-125	-	20
Barium, Total	1.002	2	3.033	102		-	-	75-125	-	20
Beryllium, Total	0.00309J	0.05	0.05294	106		-	-	75-125	-	20
Cadmium, Total	0.00192J	0.051	0.05392	106		-	-	75-125	-	20
Calcium, Total	133.	10	135	**20**	Q	-	-	75-125	-	20
Chromium, Total	0.2271	0.2	0.4305	102		-	-	75-125	-	20
Cobalt, Total	0.06068	0.5	0.5713	102		-	-	75-125	-	20
Copper, Total	0.3257	0.25	0.5574	93		-	-	75-125	-	20
Iron, Total	141.	1	136	**0**	Q	-	-	75-125	-	20
Lead, Total	0.2948	0.51	0.8615	111		-	-	75-125	-	20
Magnesium, Total	242.	10	242	**0**	Q	-	-	75-125	-	20
Manganese, Total	3.195	0.5	3.601	81		-	-	75-125	-	20
Nickel, Total	0.3981	0.5	0.9072	102		-	-	75-125	-	20
Potassium, Total	103.	10	106	**30**	Q	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.122	102		-	-	75-125	-	20
Silver, Total	0.00209J	0.05	0.04988	100		-	-	75-125	-	20
Sodium, Total	2350	10	2250	**0**	Q	-	-	75-125	-	20
Thallium, Total	0.00286J	0.12	0.1300	108		-	-	75-125	-	20
Vanadium, Total	0.1617	0.5	0.6944	106		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1324848-3 QC Sample: L1961578-01 Client ID: MS Sample									
Zinc, Total	0.5224	0.5	1.012	98	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1324512-4 QC Sample: L1961512-09 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1324848-4 QC Sample: L1961578-01 Client ID: DUP Sample					
Aluminum, Total	52.2	49.3	mg/l	6	20
Antimony, Total	ND	0.00498J	mg/l	NC	20
Arsenic, Total	0.03622	0.03138	mg/l	14	20
Barium, Total	1.002	0.9598	mg/l	4	20
Beryllium, Total	0.00309J	0.00328J	mg/l	NC	20
Cadmium, Total	0.00192J	0.00155J	mg/l	NC	20
Calcium, Total	133.	121	mg/l	9	20
Chromium, Total	0.2271	0.2113	mg/l	7	20
Cobalt, Total	0.06068	0.05831	mg/l	4	20
Copper, Total	0.3257	0.3180	mg/l	2	20
Iron, Total	141.	132	mg/l	7	20
Lead, Total	0.2948	0.2910	mg/l	1	20
Magnesium, Total	242.	227	mg/l	6	20
Manganese, Total	3.195	2.962	mg/l	8	20
Nickel, Total	0.3981	0.3858	mg/l	3	20
Potassium, Total	103.	94.8	mg/l	8	20
Selenium, Total	ND	0.0197J	mg/l	NC	20
Silver, Total	0.00209J	0.00256J	mg/l	NC	20
Sodium, Total	2350	2190	mg/l	7	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961055

Report Date: 01/29/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1324848-4 QC Sample: L1961578-01 Client ID: DUP Sample					
Thallium, Total	0.00286J	0.00750	mg/l	NC	20
Vanadium, Total	0.1617	0.1507	mg/l	7	20
Zinc, Total	0.5224	0.5078	mg/l	3	20

INORGANICS
&
MISCELLANEOUS

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-01
Client ID: MW-1
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	12/22/19 16:35	12/23/19 11:58	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-02
Client ID: MW-2
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 09:10
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.005		mg/l	0.005	0.001	1	12/22/19 16:35	12/23/19 12:01	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-03
Client ID: MW-3
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 11:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.004	J	mg/l	0.005	0.001	1	12/22/19 16:35	12/23/19 12:02	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-04
Client ID: MW-7D
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 12:45
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.009		mg/l	0.005	0.001	1	12/22/19 16:35	12/23/19 12:03	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

SAMPLE RESULTS

Lab ID: L1961055-05
Client ID: FB
Sample Location: NEW ROCHELLE

Date Collected: 12/19/19 08:00
Date Received: 12/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/22/19 16:35	12/23/19 12:04	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1323773-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/22/19 16:35	12/23/19 11:10	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961055

Report Date: 01/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1323773-2 WG1323773-3								
Cyanide, Total	95		96		85-115	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1323773-4 WG1323773-5 QC Sample: L1961055-01 Client ID: MW-1												
Cyanide, Total	0.003J	0.2	0.209	104		0.205	102		80-120	2		20

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1961055-01A	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L1961055-01B	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L1961055-01C	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L1961055-01D	Amber 120ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-01D1	Amber 120ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-01D2	Amber 120ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-01D3	Amber 120ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-01E	Plastic 250ml NaOH preserved	A	>12	>12	5.2	Y	Absent		TCN-9010(14)
L1961055-01F	Plastic 250ml HNO3 preserved	A	<2	<2	5.2	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),AG-6020T(180),CD-6020T(180),MG-6020T(180),HG-T(28),CO-6020T(180)
L1961055-01G	Amber 250ml unpreserved	B	7	7	3.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961055-01H	Amber 250ml unpreserved	B	7	7	3.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961055-01I	Amber 250ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961055-01J	Amber 250ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961055-01K	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961055-01L	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961055-02A	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1961055-02B	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L1961055-02C	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L1961055-02D	Amber 120ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-02D1	Amber 120ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-02D2	Amber 120ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-02D3	Amber 120ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-02E	Plastic 250ml NaOH preserved	A	>12	>12	5.2	Y	Absent		TCN-9010(14)
L1961055-02F	Plastic 250ml HNO3 preserved	A	<2	<2	5.2	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1961055-02G	Amber 250ml unpreserved	B	7	7	3.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961055-02H	Amber 250ml unpreserved	B	7	7	3.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961055-02I	Amber 250ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961055-02J	Amber 250ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961055-02K	Plastic 250ml unpreserved	B	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961055-02L	Plastic 250ml unpreserved	B	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961055-03A	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L1961055-03B	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L1961055-03C	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L1961055-03D	Amber 120ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-03D1	Amber 120ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-03D2	Amber 120ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-03D3	Amber 120ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-03E	Plastic 250ml NaOH preserved	A	>12	>12	5.2	Y	Absent		TCN-9010(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1961055-03F	Plastic 250ml HNO3 preserved	A	<2	<2	5.2	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1961055-03G	Amber 250ml unpreserved	B	7	7	3.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961055-03H	Amber 250ml unpreserved	B	7	7	3.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961055-03I	Amber 250ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961055-03J	Amber 250ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961055-03K	Plastic 250ml unpreserved	B	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961055-03L	Plastic 250ml unpreserved	B	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961055-04A	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L1961055-04B	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L1961055-04C	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L1961055-04D	Amber 120ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-04D1	Amber 120ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-04D2	Amber 120ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-04D3	Amber 120ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-04E	Plastic 250ml NaOH preserved	A	>12	>12	5.2	Y	Absent		TCN-9010(14)
L1961055-04F	Plastic 250ml HNO3 preserved	A	<2	<2	5.2	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1961055-04G	Amber 250ml unpreserved	B	7	7	3.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961055-04H	Amber 250ml unpreserved	B	7	7	3.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961055-04I	Amber 250ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961055-04J	Amber 250ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961055
Report Date: 01/29/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1961055-04K	Plastic 250ml unpreserved	B	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961055-04L	Plastic 250ml unpreserved	B	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961055-05A	Vial HCl preserved	C	NA		5.4	Y	Absent		NYTCL-8260(14)
L1961055-05B	Vial HCl preserved	C	NA		5.4	Y	Absent		NYTCL-8260(14)
L1961055-05C	Vial HCl preserved	C	NA		5.4	Y	Absent		NYTCL-8260(14)
L1961055-05D	Amber 120ml unpreserved	C	7	7	5.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-05D1	Amber 120ml unpreserved	C	7	7	5.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-05D2	Amber 120ml unpreserved	C	7	7	5.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-05D3	Amber 120ml unpreserved	C	7	7	5.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961055-05E	Plastic 250ml NaOH preserved	C	>12	>12	5.4	Y	Absent		TCN-9010(14)
L1961055-05F	Plastic 250ml HNO3 preserved	C	<2	<2	5.4	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1961055-05G	Amber 250ml unpreserved	C	7	7	5.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961055-05H	Amber 250ml unpreserved	C	7	7	5.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961055-05I	Amber 250ml unpreserved	C	7	7	5.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961055-05J	Amber 250ml unpreserved	C	7	7	5.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961055-05K	Plastic 250ml unpreserved	C	NA		5.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961055-06A	Vial HCl preserved	C	NA		5.4	Y	Absent		NYTCL-8260(14)
L1961055-06B	Vial HCl preserved	C	NA		5.4	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961055
Report Date: 01/29/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1

Project Name:	33 CENTRE AVE	**Lab Number:**	L1961055
Project Number:	10567	**Report Date:**	01/29/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1961055
Project Number:	10567	**Report Date:**	01/29/20

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1961055
Project Number:	10567	**Report Date:**	01/29/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1961055
Project Number:	10567	**Report Date:**	01/29/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 12/20/19

ALPHA Job #: L1961055

Client Information
Client: SESI
Address: 12 A Maple Ave, Pinebrook, NJ
Phone: 973-808-9050
Fax:
Email: Jam@sesi.org

Project Information
Project Name: 33 Centre Ave
Project Location: New Rochelle
Project #: 10567, phase 3
(Use Project name as Project #)
Project Manager: Jesse M
ALPHAQuote #:

Turn-Around Time
Standard: X — Due Date:
Rush (only if pre approved): ☐ — # of Days:

Deliverables
☐ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other NYSDEC TOGS AWQS

Regulatory Requirement
☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☑ Other TOGS AWQS

Billing Information
☐ Same as Client Info
PO #

Site Information
Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

For EPH, selection is REQUIRED: ☐ Category 1 ☐ Category 2

For VOC, selection is REQUIRED: ☐ 1,4-Dioxane ☐ 8011

Other project specific requirements/comments:
Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL/TCL+30	1,4-Dioxane	PFAS (NYSDEC)	Sample Specific Comments
61055-01	MW-1	12/19/19	0800	GW	DA	X	X	X	
-02	MW-2		0910	GW					
-03	MW-3		1100	GW					
-04	MW-7D		1245	GW					
-05	FB		0800	DI					
	TB								

Container Type: PAV PAV PAV
Preservative: E E

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; K/E = Zn Ac/NaOH; O = Other

Container Code: P = Plastic; A = Amber Glass; V = Vial; G = Glass; B = Bacteria Cup; C = Cube; O = Other; E = Encore; D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12/19/19 1600		12/19/19 1750
	12/19/19 1930	AAL	12/19/19 2045
AAL	12/20/19 0040		12/20/19 0040

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1961258
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	33 CENTRE AVE
Project Number:	10567
Report Date:	01/31/20

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

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

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

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1961258-01	MW-5S	WATER	NEW ROCHELLE	12/20/19 08:30	12/20/19
L1961258-02	MW-5D	WATER	NEW ROCHELLE	12/20/19 09:50	12/20/19
L1961258-03	MW-8D	WATER	NEW ROCHELLE	12/20/19 11:05	12/20/19
L1961258-04	MW-9	WATER	NEW ROCHELLE	12/20/19 12:15	12/20/19
L1961258-05	MW-10	WATER	NEW ROCHELLE	12/20/19 13:00	12/20/19
L1961258-06	DUP	WATER	NEW ROCHELLE	12/20/19 00:00	12/20/19
L1961258-07	FB	WATER	NEW ROCHELLE	12/20/19 08:20	12/20/19
L1961258-08	TB	WATER	NEW ROCHELLE	12/20/19 00:00	12/20/19

Project Name:	33 CENTRE AVE	**Lab Number:**	L1961258
Project Number:	10567	**Report Date:**	01/31/20

Case Narrative

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

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

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

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

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

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

Project Name: 33 CENTRE AVE **Lab Number:** L1961258
Project Number: 10567 **Report Date:** 01/31/20

Case Narrative (continued)

Report Submission
January 31, 2020: This final report includes the results of all requested analyses.
January 07, 2020: This preliminary report includes the results of the 1,4 Dioxane by 8270D-SIM analysis performed on L1961258-04, -05, -06, and -07.
January 02, 2020: This preliminary report includes the results of the Volatile Organics analysis performed on L1961258-08; and the results of the 1,4 Dioxane by 8270D-SIM analysis performed on L1961258-01, -02, and -03.
December 30, 2019: This is a preliminary report.

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

Perfluorinated Alkyl Acids by Isotope Dilution
L1961258-01, -04, -05, and -06: The sample was re-extracted on dilution with the method required holding time exceeded in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.
L1961258-02: The sample was re-analyzed on dilution in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.
L1961258-04, -05, and -06: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.
L1961258-07: The Field Blank has a concentration above the reporting limit for 6:2FTS. There is no remaining sample volume to confirm the result.
WG1334149-7: The continuing calibration standard had the response for Perfluoroctanesulfonic Acid-Branched (br-PFOS) outside of acceptance criteria. The response for Perfluorooctanesulfonic Acid (PFOS)

Project Name: 33 CENTRE AVE **Lab Number:** L1961258
Project Number: 10567 **Report Date:** 01/31/20

Case Narrative (continued)

was within acceptance criteria; therefore, no further action was taken.
WG1333485-3: The continuing calibration standard had the response for Perfluorohexanesulfonic Acid-Branched (br-PFHxS) outside of acceptance criteria. The response for Perfluorohexanesulfonic Acid (PFHxS) was within acceptance criteria; therefore, no further action was taken.

PCBs
L1961258-03: The internal standard (IS) response for 1-bromo-2-nitrobenzene (263%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences.

Total Metals
L1961258-07: The Field Blank has results for aluminum, barium, calcium, iron, and sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.
The WG1325191-3 MS recoveries for calcium (210%), iron (137%), manganese (136%), nickel (18%) and sodium (150%), performed on L1961258-01, do not apply because the sample concentration is greater than four times the spike amount added.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 01/31/20

ORGANICS

VOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-01 D
Client ID: MW-5S
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 08:30
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/27/19 15:23
Analyst: JAL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	11		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	3.3		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	27		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	17		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	2.8		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	35		ug/l	5.0	1.4	2

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-01 D
Client ID: MW-5S
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 08:30
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	270		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
Xylenes, Total	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	32		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	67		ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	ND		ug/l	10	3.0	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	4.0	J	ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-01 D
Client ID: MW-5S
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 08:30
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	ND		ug/l	4.0	1.4	2
p-Ethyltoluene	ND		ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	ND		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2
Tentatively Identified Compounds						
Total TIC Compounds	18.4	J	ug/l			2
Unknown	3.28	J	ug/l			2
Unknown Aromatic	3.18	J	ug/l			2
Unknown Aromatic	6.28	J	ug/l			2
Unknown Aromatic	5.70	J	ug/l			2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	94		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-02 D
Client ID: MW-5D
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 09:50
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/27/19 15:59
Analyst: JAL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	13		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	2.6		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	0.28	J	ug/l	1.0	0.26	2
1,1,1-Trichloroethane	18		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	17		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	3.1		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	20		ug/l	5.0	1.4	2

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-02 D
Client ID: MW-5D
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 09:50
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	180		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
Xylenes, Total	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	26		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	46		ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	ND		ug/l	10	3.0	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-02 D
Client ID: MW-5D
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 09:50
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	ND		ug/l	4.0	1.4	2
p-Ethyltoluene	ND		ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	ND		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2
Tentatively Identified Compounds						
Total TIC Compounds	19.4	J	ug/l			2
Unknown Aromatic	2.78	J	ug/l			2
Unknown	3.10	J	ug/l			2
Unknown Aromatic	5.90	J	ug/l			2
Unknown Benzene	2.18	J	ug/l			2
Unknown Aromatic	5.46	J	ug/l			2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	94		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-03 D
Client ID: MW-8D
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 11:05
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/27/19 17:47
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	620	180	250
1,1-Dichloroethane	3300		ug/l	620	180	250
Chloroform	ND		ug/l	620	180	250
Carbon tetrachloride	ND		ug/l	120	34.	250
1,2-Dichloropropane	ND		ug/l	250	34.	250
Dibromochloromethane	ND		ug/l	120	37.	250
1,1,2-Trichloroethane	ND		ug/l	380	120	250
Tetrachloroethene	ND		ug/l	120	45.	250
Chlorobenzene	ND		ug/l	620	180	250
Trichlorofluoromethane	ND		ug/l	620	180	250
1,2-Dichloroethane	40	J	ug/l	120	33.	250
1,1,1-Trichloroethane	23000		ug/l	620	180	250
Bromodichloromethane	ND		ug/l	120	48.	250
trans-1,3-Dichloropropene	ND		ug/l	120	41.	250
cis-1,3-Dichloropropene	ND		ug/l	120	36.	250
1,3-Dichloropropene, Total	ND		ug/l	120	36.	250
1,1-Dichloropropene	ND		ug/l	620	180	250
Bromoform	ND		ug/l	500	160	250
1,1,2,2-Tetrachloroethane	ND		ug/l	120	42.	250
Benzene	ND		ug/l	120	40.	250
Toluene	280	J	ug/l	620	180	250
Ethylbenzene	ND		ug/l	620	180	250
Chloromethane	ND		ug/l	620	180	250
Bromomethane	ND		ug/l	620	180	250
Vinyl chloride	ND		ug/l	250	18.	250
Chloroethane	ND		ug/l	620	180	250
1,1-Dichloroethene	2800		ug/l	120	42.	250
trans-1,2-Dichloroethene	ND		ug/l	620	180	250

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-03 D
Client ID: MW-8D
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 11:05
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1400		ug/l	120	44.	250
1,2-Dichlorobenzene	ND		ug/l	620	180	250
1,3-Dichlorobenzene	ND		ug/l	620	180	250
1,4-Dichlorobenzene	ND		ug/l	620	180	250
Methyl tert butyl ether	ND		ug/l	620	180	250
p/m-Xylene	ND		ug/l	620	180	250
o-Xylene	ND		ug/l	620	180	250
Xylenes, Total	ND		ug/l	620	180	250
cis-1,2-Dichloroethene	ND		ug/l	620	180	250
1,2-Dichloroethene, Total	ND		ug/l	620	180	250
Dibromomethane	ND		ug/l	1200	250	250
1,2,3-Trichloropropane	ND		ug/l	620	180	250
Acrylonitrile	ND		ug/l	1200	380	250
Styrene	ND		ug/l	620	180	250
Dichlorodifluoromethane	ND		ug/l	1200	250	250
Acetone	ND		ug/l	1200	360	250
Carbon disulfide	ND		ug/l	1200	250	250
2-Butanone	ND		ug/l	1200	480	250
Vinyl acetate	ND		ug/l	1200	250	250
4-Methyl-2-pentanone	ND		ug/l	1200	250	250
2-Hexanone	ND		ug/l	1200	250	250
Bromochloromethane	ND		ug/l	620	180	250
2,2-Dichloropropane	ND		ug/l	620	180	250
1,2-Dibromoethane	ND		ug/l	500	160	250
1,3-Dichloropropane	ND		ug/l	620	180	250
1,1,1,2-Tetrachloroethane	ND		ug/l	620	180	250
Bromobenzene	ND		ug/l	620	180	250
n-Butylbenzene	ND		ug/l	620	180	250
sec-Butylbenzene	ND		ug/l	620	180	250
tert-Butylbenzene	ND		ug/l	620	180	250
o-Chlorotoluene	ND		ug/l	620	180	250
p-Chlorotoluene	ND		ug/l	620	180	250
1,2-Dibromo-3-chloropropane	ND		ug/l	620	180	250
Hexachlorobutadiene	ND		ug/l	620	180	250
Isopropylbenzene	ND		ug/l	620	180	250
p-Isopropyltoluene	ND		ug/l	620	180	250
Naphthalene	ND		ug/l	620	180	250

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-03 D
Client ID: MW-8D
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 11:05
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	620	180	250
1,2,3-Trichlorobenzene	ND		ug/l	620	180	250
1,2,4-Trichlorobenzene	ND		ug/l	620	180	250
1,3,5-Trimethylbenzene	ND		ug/l	620	180	250
1,2,4-Trimethylbenzene	ND		ug/l	620	180	250
1,4-Dioxane	ND		ug/l	62000	15000	250
p-Diethylbenzene	ND		ug/l	500	180	250
p-Ethyltoluene	ND		ug/l	500	180	250
1,2,4,5-Tetramethylbenzene	ND		ug/l	500	140	250
Ethyl ether	ND		ug/l	620	180	250
trans-1,4-Dichloro-2-butene	ND		ug/l	620	180	250
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			250

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	92		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-04 D
Client ID: MW-9
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 12:15
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/27/19 18:23
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25000	7000	10000
1,1-Dichloroethane	ND		ug/l	25000	7000	10000
Chloroform	ND		ug/l	25000	7000	10000
Carbon tetrachloride	ND		ug/l	5000	1300	10000
1,2-Dichloropropane	ND		ug/l	10000	1400	10000
Dibromochloromethane	ND		ug/l	5000	1500	10000
1,1,2-Trichloroethane	ND		ug/l	15000	5000	10000
Tetrachloroethene	ND		ug/l	5000	1800	10000
Chlorobenzene	ND		ug/l	25000	7000	10000
Trichlorofluoromethane	ND		ug/l	25000	7000	10000
1,2-Dichloroethane	ND		ug/l	5000	1300	10000
1,1,1-Trichloroethane	1000000		ug/l	25000	7000	10000
Bromodichloromethane	ND		ug/l	5000	1900	10000
trans-1,3-Dichloropropene	ND		ug/l	5000	1600	10000
cis-1,3-Dichloropropene	ND		ug/l	5000	1400	10000
1,3-Dichloropropene, Total	ND		ug/l	5000	1400	10000
1,1-Dichloropropene	ND		ug/l	25000	7000	10000
Bromoform	ND		ug/l	20000	6500	10000
1,1,2,2-Tetrachloroethane	ND		ug/l	5000	1700	10000
Benzene	ND		ug/l	5000	1600	10000
Toluene	7200	J	ug/l	25000	7000	10000
Ethylbenzene	ND		ug/l	25000	7000	10000
Chloromethane	ND		ug/l	25000	7000	10000
Bromomethane	ND		ug/l	25000	7000	10000
Vinyl chloride	ND		ug/l	10000	710	10000
Chloroethane	ND		ug/l	25000	7000	10000
1,1-Dichloroethene	28000		ug/l	5000	1700	10000
trans-1,2-Dichloroethene	ND		ug/l	25000	7000	10000

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-04 D
Client ID: MW-9
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 12:15
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	3400	J	ug/l	5000	1800	10000
1,2-Dichlorobenzene	ND		ug/l	25000	7000	10000
1,3-Dichlorobenzene	ND		ug/l	25000	7000	10000
1,4-Dichlorobenzene	ND		ug/l	25000	7000	10000
Methyl tert butyl ether	ND		ug/l	25000	7000	10000
p/m-Xylene	ND		ug/l	25000	7000	10000
o-Xylene	ND		ug/l	25000	7000	10000
Xylenes, Total	ND		ug/l	25000	7000	10000
cis-1,2-Dichloroethene	ND		ug/l	25000	7000	10000
1,2-Dichloroethene, Total	ND		ug/l	25000	7000	10000
Dibromomethane	ND		ug/l	50000	10000	10000
1,2,3-Trichloropropane	ND		ug/l	25000	7000	10000
Acrylonitrile	ND		ug/l	50000	15000	10000
Styrene	ND		ug/l	25000	7000	10000
Dichlorodifluoromethane	ND		ug/l	50000	10000	10000
Acetone	ND		ug/l	50000	15000	10000
Carbon disulfide	ND		ug/l	50000	10000	10000
2-Butanone	ND		ug/l	50000	19000	10000
Vinyl acetate	ND		ug/l	50000	10000	10000
4-Methyl-2-pentanone	ND		ug/l	50000	10000	10000
2-Hexanone	ND		ug/l	50000	10000	10000
Bromochloromethane	ND		ug/l	25000	7000	10000
2,2-Dichloropropane	ND		ug/l	25000	7000	10000
1,2-Dibromoethane	ND		ug/l	20000	6500	10000
1,3-Dichloropropane	ND		ug/l	25000	7000	10000
1,1,1,2-Tetrachloroethane	ND		ug/l	25000	7000	10000
Bromobenzene	ND		ug/l	25000	7000	10000
n-Butylbenzene	ND		ug/l	25000	7000	10000
sec-Butylbenzene	ND		ug/l	25000	7000	10000
tert-Butylbenzene	ND		ug/l	25000	7000	10000
o-Chlorotoluene	ND		ug/l	25000	7000	10000
p-Chlorotoluene	ND		ug/l	25000	7000	10000
1,2-Dibromo-3-chloropropane	ND		ug/l	25000	7000	10000
Hexachlorobutadiene	ND		ug/l	25000	7000	10000
Isopropylbenzene	ND		ug/l	25000	7000	10000
p-Isopropyltoluene	ND		ug/l	25000	7000	10000
Naphthalene	ND		ug/l	25000	7000	10000

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-04 D
Client ID: MW-9
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 12:15
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	25000	7000	10000
1,2,3-Trichlorobenzene	ND		ug/l	25000	7000	10000
1,2,4-Trichlorobenzene	ND		ug/l	25000	7000	10000
1,3,5-Trimethylbenzene	ND		ug/l	25000	7000	10000
1,2,4-Trimethylbenzene	ND		ug/l	25000	7000	10000
1,4-Dioxane	ND		ug/l	2500000	610000	10000
p-Diethylbenzene	ND		ug/l	20000	7000	10000
p-Ethyltoluene	ND		ug/l	20000	7000	10000
1,2,4,5-Tetramethylbenzene	ND		ug/l	20000	5400	10000
Ethyl ether	ND		ug/l	25000	7000	10000
trans-1,4-Dichloro-2-butene	ND		ug/l	25000	7000	10000
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			10000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	89		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-05 D
Client ID: MW-10
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 13:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/28/19 13:56
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	120	35.	50
1,1-Dichloroethane	40	J	ug/l	120	35.	50
Chloroform	ND		ug/l	120	35.	50
Carbon tetrachloride	ND		ug/l	25	6.7	50
1,2-Dichloropropane	ND		ug/l	50	6.8	50
Dibromochloromethane	ND		ug/l	25	7.4	50
1,1,2-Trichloroethane	ND		ug/l	75	25.	50
Tetrachloroethene	18	J	ug/l	25	9.0	50
Chlorobenzene	ND		ug/l	120	35.	50
Trichlorofluoromethane	ND		ug/l	120	35.	50
1,2-Dichloroethane	ND		ug/l	25	6.6	50
1,1,1-Trichloroethane	5300		ug/l	120	35.	50
Bromodichloromethane	ND		ug/l	25	9.6	50
trans-1,3-Dichloropropene	ND		ug/l	25	8.2	50
cis-1,3-Dichloropropene	ND		ug/l	25	7.2	50
1,3-Dichloropropene, Total	ND		ug/l	25	7.2	50
1,1-Dichloropropene	ND		ug/l	120	35.	50
Bromoform	ND		ug/l	100	32.	50
1,1,2,2-Tetrachloroethane	ND		ug/l	25	8.4	50
Benzene	ND		ug/l	25	8.0	50
Toluene	68	J	ug/l	120	35.	50
Ethylbenzene	ND		ug/l	120	35.	50
Chloromethane	ND		ug/l	120	35.	50
Bromomethane	ND		ug/l	120	35.	50
Vinyl chloride	ND		ug/l	50	3.6	50
Chloroethane	ND		ug/l	120	35.	50
1,1-Dichloroethene	950		ug/l	25	8.4	50
trans-1,2-Dichloroethene	ND		ug/l	120	35.	50

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-05 D
Client ID: MW-10
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 13:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	3700		ug/l	25	8.8	50
1,2-Dichlorobenzene	ND		ug/l	120	35.	50
1,3-Dichlorobenzene	ND		ug/l	120	35.	50
1,4-Dichlorobenzene	ND		ug/l	120	35.	50
Methyl tert butyl ether	ND		ug/l	120	35.	50
p/m-Xylene	ND		ug/l	120	35.	50
o-Xylene	ND		ug/l	120	35.	50
Xylenes, Total	ND		ug/l	120	35.	50
cis-1,2-Dichloroethene	ND		ug/l	120	35.	50
1,2-Dichloroethene, Total	ND		ug/l	120	35.	50
Dibromomethane	ND		ug/l	250	50.	50
1,2,3-Trichloropropane	ND		ug/l	120	35.	50
Acrylonitrile	ND		ug/l	250	75.	50
Styrene	ND		ug/l	120	35.	50
Dichlorodifluoromethane	ND		ug/l	250	50.	50
Acetone	ND		ug/l	250	73.	50
Carbon disulfide	ND		ug/l	250	50.	50
2-Butanone	ND		ug/l	250	97.	50
Vinyl acetate	ND		ug/l	250	50.	50
4-Methyl-2-pentanone	ND		ug/l	250	50.	50
2-Hexanone	ND		ug/l	250	50.	50
Bromochloromethane	ND		ug/l	120	35.	50
2,2-Dichloropropane	ND		ug/l	120	35.	50
1,2-Dibromoethane	ND		ug/l	100	32.	50
1,3-Dichloropropane	ND		ug/l	120	35.	50
1,1,1,2-Tetrachloroethane	ND		ug/l	120	35.	50
Bromobenzene	ND		ug/l	120	35.	50
n-Butylbenzene	ND		ug/l	120	35.	50
sec-Butylbenzene	ND		ug/l	120	35.	50
tert-Butylbenzene	ND		ug/l	120	35.	50
o-Chlorotoluene	ND		ug/l	120	35.	50
p-Chlorotoluene	ND		ug/l	120	35.	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	35.	50
Hexachlorobutadiene	ND		ug/l	120	35.	50
Isopropylbenzene	ND		ug/l	120	35.	50
p-Isopropyltoluene	ND		ug/l	120	35.	50
Naphthalene	ND		ug/l	120	35.	50

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-05 D
Client ID: MW-10
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 13:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	120	35.	50
1,2,3-Trichlorobenzene	ND		ug/l	120	35.	50
1,2,4-Trichlorobenzene	ND		ug/l	120	35.	50
1,3,5-Trimethylbenzene	ND		ug/l	120	35.	50
1,2,4-Trimethylbenzene	ND		ug/l	120	35.	50
1,4-Dioxane	ND		ug/l	12000	3000	50
p-Diethylbenzene	ND		ug/l	100	35.	50
p-Ethyltoluene	ND		ug/l	100	35.	50
1,2,4,5-Tetramethylbenzene	ND		ug/l	100	27.	50
Ethyl ether	ND		ug/l	120	35.	50
trans-1,4-Dichloro-2-butene	ND		ug/l	120	35.	50
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	92		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-06 D
Client ID: DUP
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 00:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/28/19 14:32
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	11		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	3.1		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	22		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
1,3-Dichloropropene, Total	ND		ug/l	1.2	0.36	2.5
1,1-Dichloropropene	ND		ug/l	6.2	1.8	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	17		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	3.0		ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	29		ug/l	6.2	1.8	2.5

Project Name: 33 CENTRE AVE **Lab Number:** L1961258

Project Number: 10567 **Report Date:** 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-06 D Date Collected: 12/20/19 00:00

Client ID: DUP Date Received: 12/20/19

Sample Location: NEW ROCHELLE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	240		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5
p/m-Xylene	ND		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
Xylenes, Total	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	29		ug/l	6.2	1.8	2.5
1,2-Dichloroethene, Total	58		ug/l	6.2	1.8	2.5
Dibromomethane	ND		ug/l	12	2.5	2.5
1,2,3-Trichloropropane	ND		ug/l	6.2	1.8	2.5
Acrylonitrile	ND		ug/l	12	3.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	ND		ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
Vinyl acetate	ND		ug/l	12	2.5	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
2,2-Dichloropropane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
1,3-Dichloropropane	ND		ug/l	6.2	1.8	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	6.2	1.8	2.5
Bromobenzene	ND		ug/l	6.2	1.8	2.5
n-Butylbenzene	ND		ug/l	6.2	1.8	2.5
sec-Butylbenzene	ND		ug/l	6.2	1.8	2.5
tert-Butylbenzene	ND		ug/l	6.2	1.8	2.5
o-Chlorotoluene	ND		ug/l	6.2	1.8	2.5
p-Chlorotoluene	ND		ug/l	6.2	1.8	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Hexachlorobutadiene	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	ND		ug/l	6.2	1.8	2.5
p-Isopropyltoluene	ND		ug/l	6.2	1.8	2.5
Naphthalene	ND		ug/l	6.2	1.8	2.5

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-06 D
Client ID: DUP
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 00:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,3,5-Trimethylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trimethylbenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
p-Diethylbenzene	ND		ug/l	5.0	1.8	2.5
p-Ethyltoluene	ND		ug/l	5.0	1.8	2.5
1,2,4,5-Tetramethylbenzene	ND		ug/l	5.0	1.4	2.5
Ethyl ether	ND		ug/l	6.2	1.8	2.5
trans-1,4-Dichloro-2-butene	ND		ug/l	6.2	1.8	2.5
Tentatively Identified Compounds						
Total TIC Compounds	20.4	J	ug/l			2.5
Unknown	3.62	J	ug/l			2.5
Unknown Aromatic	6.30	J	ug/l			2.5
Unknown Indene	3.48	J	ug/l			2.5
Unknown Aromatic	6.95	J	ug/l			2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	91		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-07
Client ID: FB
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 08:20
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/27/19 14:47
Analyst: JAL

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

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-07
Client ID: FB
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 08:20
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-07
Client ID: FB
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 08:20
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	93		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-08
Client ID: TB
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 00:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/31/19 08:29
Analyst: PD

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

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-08
Client ID: TB
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 00:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-08
Client ID: TB
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 00:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	88		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/27/19 09:25
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,07 Batch: WG1325317-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/27/19 09:25
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,07 Batch: WG1325317-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/27/19 09:25
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,07 Batch: WG1325317-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/27/19 09:25
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,07 Batch: WG1325317-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/28/19 12:08
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1325612-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/28/19 12:08
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1325612-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/28/19 12:08
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1325612-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/28/19 12:08
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1325612-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	93		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/31/19 08:06
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1326096-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/31/19 08:06
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1326096-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/31/19 08:06
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1326096-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/31/19 08:06
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1326096-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	88		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,07 Batch: WG1325317-3 WG1325317-4								
Methylene chloride	92		100		70-130	8		20
1,1-Dichloroethane	95		98		70-130	3		20
Chloroform	95		94		70-130	1		20
Carbon tetrachloride	94		95		63-132	1		20
1,2-Dichloropropane	110		120		70-130	9		20
Dibromochloromethane	80		74		63-130	8		20
1,1,2-Trichloroethane	83		89		70-130	7		20
Tetrachloroethene	92		88		70-130	4		20
Chlorobenzene	85		84		75-130	1		20
Trichlorofluoromethane	73		76		62-150	4		20
1,2-Dichloroethane	85		86		70-130	1		20
1,1,1-Trichloroethane	91		93		67-130	2		20
Bromodichloromethane	88		100		67-130	13		20
trans-1,3-Dichloropropene	84		85		70-130	1		20
cis-1,3-Dichloropropene	95		110		70-130	15		20
1,1-Dichloropropene	100		97		70-130	3		20
Bromoform	73		73		54-136	0		20
1,1,2,2-Tetrachloroethane	77		82		67-130	6		20
Benzene	100		100		70-130	0		20
Toluene	87		92		70-130	6		20
Ethylbenzene	87		88		70-130	1		20
Chloromethane	100		100		64-130	0		20
Bromomethane	**150**	Q	**140**	Q	39-139	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,07 Batch: WG1325317-3 WG1325317-4								
Vinyl chloride	100		100		55-140	0		20
Chloroethane	100		110		55-138	10		20
1,1-Dichloroethene	87		94		61-145	8		20
trans-1,2-Dichloroethene	96		100		70-130	4		20
Trichloroethene	97		100		70-130	3		20
1,2-Dichlorobenzene	80		81		70-130	1		20
1,3-Dichlorobenzene	83		83		70-130	0		20
1,4-Dichlorobenzene	82		82		70-130	0		20
Methyl tert butyl ether	91		95		63-130	4		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		95		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	96		110		70-130	14		20
1,2,3-Trichloropropane	74		78		64-130	5		20
Acrylonitrile	92		99		70-130	7		20
Styrene	90		100		70-130	11		20
Dichlorodifluoromethane	57		58		36-147	2		20
Acetone	88		94		58-148	7		20
Carbon disulfide	83		92		51-130	10		20
2-Butanone	120		100		63-138	18		20
Vinyl acetate	90		93		70-130	3		20
4-Methyl-2-pentanone	88		94		59-130	7		20
2-Hexanone	79		86		57-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961258

Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,07 Batch: WG1325317-3 WG1325317-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	110		100		63-133	10		20
1,2-Dibromoethane	86		82		70-130	5		20
1,3-Dichloropropane	88		87		70-130	1		20
1,1,1,2-Tetrachloroethane	83		82		64-130	1		20
Bromobenzene	81		87		70-130	7		20
n-Butylbenzene	81		80		53-136	1		20
sec-Butylbenzene	86		85		70-130	1		20
tert-Butylbenzene	89		86		70-130	3		20
o-Chlorotoluene	83		88		70-130	6		20
p-Chlorotoluene	84		87		70-130	4		20
1,2-Dibromo-3-chloropropane	73		69		41-144	6		20
Hexachlorobutadiene	81		80		63-130	1		20
Isopropylbenzene	83		87		70-130	5		20
p-Isopropyltoluene	86		87		70-130	1		20
Naphthalene	83		80		70-130	4		20
n-Propylbenzene	84		93		69-130	10		20
1,2,3-Trichlorobenzene	74		77		70-130	4		20
1,2,4-Trichlorobenzene	82		81		70-130	1		20
1,3,5-Trimethylbenzene	83		88		64-130	6		20
1,2,4-Trimethylbenzene	88		83		70-130	6		20
1,4-Dioxane	92		106		56-162	14		20
p-Diethylbenzene	82		83		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961258

Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,07 Batch: WG1325317-3 WG1325317-4								
p-Ethyltoluene	87		91		70-130	4		20
1,2,4,5-Tetramethylbenzene	82		82		70-130	0		20
Ethyl ether	99		100		59-134	1		20
trans-1,4-Dichloro-2-butene	74		85		70-130	14		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		87		70-130
Toluene-d8	92		96		70-130
4-Bromofluorobenzene	94		98		70-130
Dibromofluoromethane	101		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961258

Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1325612-3 WG1325612-4								
Methylene chloride	85		90		70-130	6		20
1,1-Dichloroethane	88		88		70-130	0		20
Chloroform	83		86		70-130	4		20
Carbon tetrachloride	90		87		63-132	3		20
1,2-Dichloropropane	94		90		70-130	4		20
Dibromochloromethane	83		82		63-130	1		20
1,1,2-Trichloroethane	88		94		70-130	7		20
Tetrachloroethene	93		90		70-130	3		20
Chlorobenzene	95		90		75-130	5		20
Trichlorofluoromethane	69		69		62-150	0		20
1,2-Dichloroethane	84		80		70-130	5		20
1,1,1-Trichloroethane	87		83		67-130	5		20
Bromodichloromethane	79		84		67-130	6		20
trans-1,3-Dichloropropene	88		96		70-130	9		20
cis-1,3-Dichloropropene	87		93		70-130	7		20
1,1-Dichloropropene	96		88		70-130	9		20
Bromoform	92		90		54-136	2		20
1,1,2,2-Tetrachloroethane	97		100		67-130	3		20
Benzene	100		94		70-130	6		20
Toluene	97		92		70-130	5		20
Ethylbenzene	97		93		70-130	4		20
Chloromethane	94		91		64-130	3		20
Bromomethane	100		100		39-139	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1325612-3 WG1325612-4								
Vinyl chloride	92		96		55-140	4		20
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	84		83		61-145	1		20
trans-1,2-Dichloroethene	90		91		70-130	1		20
Trichloroethene	88		90		70-130	2		20
1,2-Dichlorobenzene	99		94		70-130	5		20
1,3-Dichlorobenzene	95		92		70-130	3		20
1,4-Dichlorobenzene	96		91		70-130	5		20
Methyl tert butyl ether	80		86		63-130	7		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	87		93		70-130	7		20
Dibromomethane	86		91		70-130	6		20
1,2,3-Trichloropropane	93		94		64-130	1		20
Acrylonitrile	84		94		70-130	11		20
Styrene	95		105		70-130	10		20
Dichlorodifluoromethane	46		46		36-147	0		20
Acetone	70		70		58-148	0		20
Carbon disulfide	73		81		51-130	10		20
2-Butanone	78		89		63-138	13		20
Vinyl acetate	78		85		70-130	9		20
4-Methyl-2-pentanone	83		92		59-130	10		20
2-Hexanone	80		96		57-130	18		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1325612-3 WG1325612-4								
Bromochloromethane	93		89		70-130	4		20
2,2-Dichloropropane	92		93		63-133	1		20
1,2-Dibromoethane	88		88		70-130	0		20
1,3-Dichloropropane	89		91		70-130	2		20
1,1,1,2-Tetrachloroethane	93		90		64-130	3		20
Bromobenzene	96		94		70-130	2		20
n-Butylbenzene	99		97		53-136	2		20
sec-Butylbenzene	98		94		70-130	4		20
tert-Butylbenzene	98		94		70-130	4		20
o-Chlorotoluene	96		98		70-130	2		20
p-Chlorotoluene	97		97		70-130	0		20
1,2-Dibromo-3-chloropropane	89		86		41-144	3		20
Hexachlorobutadiene	95		93		63-130	2		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		96		70-130	4		20
Naphthalene	91		95		70-130	4		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	93		93		70-130	0		20
1,2,4-Trichlorobenzene	94		94		70-130	0		20
1,3,5-Trimethylbenzene	97		98		64-130	1		20
1,2,4-Trimethylbenzene	97		92		70-130	5		20
1,4-Dioxane	88		104		56-162	17		20
p-Diethylbenzene	99		100		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961258

Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1325612-3 WG1325612-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	95		95		70-130	0		20
Ethyl ether	88		95		59-134	8		20
trans-1,4-Dichloro-2-butene	87		98		70-130	12		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		89		70-130
Toluene-d8	101		97		70-130
4-Bromofluorobenzene	99		103		70-130
Dibromofluoromethane	93		92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1326096-3 WG1326096-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	83		81		63-132	2		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	85		83		63-130	2		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	94		94		67-130	0		20
trans-1,3-Dichloropropene	85		86		70-130	1		20
cis-1,3-Dichloropropene	91		90		70-130	1		20
1,1-Dichloropropene	96		95		70-130	1		20
Bromoform	77		77		54-136	0		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	87		85		64-130	2		20
Bromomethane	80		80		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961258

Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1326096-3 WG1326096-4								
Vinyl chloride	100		100		55-140	0		20
Chloroethane	95		95		55-138	0		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	90		90		63-130	0		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	110		110		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	96		96		70-130	0		20
1,2,3-Trichloropropane	110		110		64-130	0		20
Acrylonitrile	110		120		70-130	9		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	87		83		36-147	5		20
Acetone	120		130		58-148	8		20
Carbon disulfide	92		89		51-130	3		20
2-Butanone	110		120		63-138	9		20
Vinyl acetate	100		110		70-130	10		20
4-Methyl-2-pentanone	100		110		59-130	10		20
2-Hexanone	98		100		57-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1326096-3 WG1326096-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	86		87		63-133	1		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	100		99		64-130	1		20
Bromobenzene	100		99		70-130	1		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	110		110		70-130	0		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	75		77		41-144	3		20
Hexachlorobutadiene	100		99		63-130	1		20
Isopropylbenzene	110		100		70-130	10		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	96		100		70-130	4		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	93		94		70-130	1		20
1,2,4-Trichlorobenzene	93		93		70-130	0		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
1,4-Dioxane	**186**	Q	**200**	Q	56-162	7		20
p-Diethylbenzene	110		100		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961258

Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1326096-3 WG1326096-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		20
Ethyl ether	96		95		59-134	1		20
trans-1,4-Dichloro-2-butene	84		88		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	94		94		70-130

SEMIVOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-01
Client ID: MW-5S
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 08:30
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/19 08:53
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	2.2		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-01
Client ID: MW-5S
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 08:30
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	0.81	J	ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Tentatively Identified Compounds						
Total TIC Compounds	72.9	J	ug/l			1
Unknown	21.0	J	ug/l			1
Unknown	19.6	J	ug/l			1
Saccharin	14.5	NJ	ug/l			1
Aldol Condensates (A)	10.9	J	ug/l			1
Unknown	6.91	J	ug/l			1

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-01
Client ID: MW-5S
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 08:30
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	60		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-01
Client ID: MW-5S
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 08:30
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/27/19 05:20
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 12/24/19 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	10400		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	50		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-01
Client ID: MW-5S
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 08:30
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/27/19 13:41
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.58		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.04	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.92		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.27		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	1.2		ug/l	0.10	0.01	1
Phenanthrene	1.3		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.05	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-01
Client ID: MW-5S
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 08:30
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	127		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-01
Client ID: MW-5S
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 08:30
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/24/20 18:38
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/31/19 08:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	174		ng/l	1.84	0.376	1
Perfluoropentanoic Acid (PFPeA)	129		ng/l	1.84	0.365	1
Perfluorobutanesulfonic Acid (PFBS)	502		ng/l	1.84	0.220	1
Perfluorohexanoic Acid (PFHxA)	148		ng/l	1.84	0.302	1
Perfluoroheptanoic Acid (PFHpA)	195		ng/l	1.84	0.208	1
Perfluorohexanesulfonic Acid (PFHxS)	46.7		ng/l	1.84	0.347	1
Perfluorooctanoic Acid (PFOA)	796		ng/l	1.84	0.218	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.07		ng/l	1.84	1.23	1
Perfluoroheptanesulfonic Acid (PFHpS)	70.7		ng/l	1.84	0.635	1
Perfluorononanoic Acid (PFNA)	4.10		ng/l	1.84	0.288	1
Perfluorooctanesulfonic Acid (PFOS)	2270	E	ng/l	1.84	0.465	1
Perfluorodecanoic Acid (PFDA)	2.95		ng/l	1.84	0.280	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.84	1.12	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.84	0.598	1
Perfluoroundecanoic Acid (PFUnA)	0.292	J	ng/l	1.84	0.240	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.84	0.904	1
Perfluorooctanesulfonamide (FOSA)	49.8		ng/l	1.84	0.535	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	55.7		ng/l	1.84	0.742	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.84	0.343	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.84	0.302	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.84	0.229	1

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-01
Client ID: MW-5S
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 08:30
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	82		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	71		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	126		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	165		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	114		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	156		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	67		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	44		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	79		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	63		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-01 RE
Client ID: MW-5S
Sample Location: NEW ROCHELLE

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/30/20 02:42
Analyst: JW

Date Collected: 12/20/19 08:30
Date Received: 12/20/19
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 01/27/20 14:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonic Acid (PFOS)	2700		ng/l	10.0	2.52	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		42-146

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-02
Client ID: MW-5D
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 09:50
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/19 09:20
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	1.9	J	ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-02
Client ID: MW-5D
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 09:50
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	0.70	J	ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Tentatively Identified Compounds						
Total TIC Compounds	32.7	J	ug/l			1
Aldol Condensates (A)	12.6	J	ug/l			1
Saccharin	14.5	NJ	ug/l			1
Unknown	5.60	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	65		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-02
Client ID: MW-5D
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 09:50
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/27/19 05:48
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 12/24/19 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	12000		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	50		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-02
Client ID: MW-5D
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 09:50
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/27/19 13:58
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.45		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.04	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.88		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.28		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.72		ug/l	0.10	0.01	1
Phenanthrene	1.4		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-02
Client ID: MW-5D
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 09:50
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	**151**	Q	41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-02
Client ID: MW-5D
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 09:50
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/24/20 18:55
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/31/19 08:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	163		ng/l	1.93	0.394	1
Perfluoropentanoic Acid (PFPeA)	122		ng/l	1.93	0.382	1
Perfluorobutanesulfonic Acid (PFBS)	468		ng/l	1.93	0.230	1
Perfluorohexanoic Acid (PFHxA)	138		ng/l	1.93	0.317	1
Perfluoroheptanoic Acid (PFHpA)	175		ng/l	1.93	0.217	1
Perfluorohexanesulfonic Acid (PFHxS)	44.6		ng/l	1.93	0.363	1
Perfluorooctanoic Acid (PFOA)	715		ng/l	1.93	0.228	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.93	1.28	1
Perfluoroheptanesulfonic Acid (PFHpS)	79.1		ng/l	1.93	0.664	1
Perfluorononanoic Acid (PFNA)	4.44		ng/l	1.93	0.301	1
Perfluorooctanesulfonic Acid (PFOS)	2800	E	ng/l	1.93	0.486	1
Perfluorodecanoic Acid (PFDA)	3.55		ng/l	1.93	0.293	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.93	1.17	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.93	0.625	1
Perfluoroundecanoic Acid (PFUnA)	0.444	J	ng/l	1.93	0.251	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.93	0.946	1
Perfluorooctanesulfonamide (FOSA)	54.6		ng/l	1.93	0.560	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	61.0		ng/l	1.93	0.776	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.93	0.359	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.93	0.316	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.93	0.239	1

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-02
Client ID: MW-5D
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 09:50
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	108		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	70		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	131		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	223		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	113		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**219**	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	39		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	74		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	63		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-02 D
Client ID: MW-5D
Sample Location: NEW ROCHELLE

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/28/20 09:37
Analyst: JW

Date Collected: 12/20/19 09:50
Date Received: 12/20/19
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 12/31/19 08:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonic Acid (PFOS)	3140		ng/l	9.65	2.43	5

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		42-146

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-03
Client ID: MW-8D
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 11:05
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/19 09:47
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-03
Client ID: MW-8D
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 11:05
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	10.	J	ug/l	50	2.6	1
Benzyl Alcohol	1.3	J	ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-03
Client ID: MW-8D
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 11:05
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	159	J	ug/l			1
Saccharin	2.76	NJ	ug/l			1
Unknown	3.78	J	ug/l			1
Unknown	8.29	J	ug/l			1
Unknown	2.76	J	ug/l			1
Unknown	3.89	J	ug/l			1
Toluene	51.4	NJ	ug/l			1
Unknown	2.51	J	ug/l			1
Aldol Condensates (A)	43.8	J	ug/l			1
Unknown Benzene	3.05	J	ug/l			1
Unknown	3.31	J	ug/l			1
Unknown	3.74	J	ug/l			1
Unknown	2.33	J	ug/l			1
Unknown	8.65	J	ug/l			1
Unknown	2.84	J	ug/l			1
Unknown	16.1	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	48		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	62		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-03
Client ID: MW-8D
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 11:05
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/27/19 06:16
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 12/24/19 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	133000		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	54		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-03
Client ID: MW-8D
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 11:05
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/27/19 14:15
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.09	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.14		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.03	J	ug/l	0.10	0.01	1
Phenanthrene	0.22		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.04	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.07	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-03
Client ID: MW-8D
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 11:05
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	119		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-03
Client ID: MW-8D
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 11:05
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/24/20 19:28
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/31/19 08:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	10.1		ng/l	1.88	0.383	1
Perfluoropentanoic Acid (PFPeA)	12.3		ng/l	1.88	0.372	1
Perfluorobutanesulfonic Acid (PFBS)	34.4		ng/l	1.88	0.224	1
Perfluorohexanoic Acid (PFHxA)	13.6		ng/l	1.88	0.308	1
Perfluoroheptanoic Acid (PFHpA)	13.4		ng/l	1.88	0.212	1
Perfluorohexanesulfonic Acid (PFHxS)	8.66		ng/l	1.88	0.353	1
Perfluorooctanoic Acid (PFOA)	71.7		ng/l	1.88	0.222	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.88	1.25	1
Perfluoroheptanesulfonic Acid (PFHpS)	9.97		ng/l	1.88	0.647	1
Perfluorononanoic Acid (PFNA)	2.80		ng/l	1.88	0.293	1
Perfluorooctanesulfonic Acid (PFOS)	493		ng/l	1.88	0.474	1
Perfluorodecanoic Acid (PFDA)	1.55	J	ng/l	1.88	0.286	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.88	1.14	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.88	0.609	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.88	0.244	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.88	0.921	1
Perfluorooctanesulfonamide (FOSA)	2.30		ng/l	1.88	0.545	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.928	J	ng/l	1.88	0.756	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.88	0.350	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.88	0.308	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.88	0.233	1
PFOA/PFOS, Total	565		ng/l	1.88	0.222	1

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-03
Client ID: MW-8D
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 11:05
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	108		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	112		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	113		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	125		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	108		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	190		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	111		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	147		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	43		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	76		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-04
Client ID: MW-9
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 12:15
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/26/19 16:49
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/24/19 00:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	1.8	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	0.54	J	ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-04
Client ID: MW-9
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 12:15
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	3.6	J	ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	2.3	J	ug/l	5.0	0.57	1
2-Methylphenol	18.		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	26.		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	42.	J	ug/l	50	2.6	1
Benzyl Alcohol	36.		ug/l	2.0	0.59	1
Carbazole	1.0	J	ug/l	2.0	0.49	1

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-04
Client ID: MW-9
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 12:15
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	1230	J	ug/l			1
Unknown	9.45	J	ug/l			1
Unknown Alkane	49.3	J	ug/l			1
Unknown	12.3	J	ug/l			1
Unknown Aldehyde	9.67	J	ug/l			1
Unknown	11.6	J	ug/l			1
Toluene	865	NJ	ug/l			1
Unknown Organic Acid	14.5	J	ug/l			1
Unknown	14.5	J	ug/l			1
Unknown Organic Acid	15.0	J	ug/l			1
Cyclohexanone	59.8	NJ	ug/l			1
Unknown Organic Acid	35.9	J	ug/l			1
Trichloroethene	78.8	NJ	ug/l			1
Benzofuran	25.4	NJ	ug/l			1
Unknown	13.8	J	ug/l			1
Unknown	14.5	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	70		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-04
Client ID: MW-9
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 12:15
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/29/19 21:10
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 12/24/19 00:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.25		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.19		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.84		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.11		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.10		ug/l	0.10	0.01	1
Phenanthrene	0.55		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.13		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.18		ug/l	0.10	0.02	1
Pentachlorophenol	0.26	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-04
Client ID: MW-9
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 12:15
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	90		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-04
Client ID: MW-9
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 12:15
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/24/20 19:44
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/31/19 08:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	28.3		ng/l	1.80	0.367	1
Perfluoropentanoic Acid (PFPeA)	15.4		ng/l	1.80	0.356	1
Perfluorobutanesulfonic Acid (PFBS)	88.4		ng/l	1.80	0.214	1
Perfluorohexanoic Acid (PFHxA)	15.7		ng/l	1.80	0.295	1
Perfluoroheptanoic Acid (PFHpA)	20.4		ng/l	1.80	0.202	1
Perfluorohexanesulfonic Acid (PFHxS)	20.0		ng/l	1.80	0.338	1
Perfluorooctanoic Acid (PFOA)	113		ng/l	1.80	0.212	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.80	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	32.2		ng/l	1.80	0.619	1
Perfluorononanoic Acid (PFNA)	2.55		ng/l	1.80	0.280	1
Perfluorooctanesulfonic Acid (PFOS)	1360	E	ng/l	1.80	0.453	1
Perfluorodecanoic Acid (PFDA)	1.34	J	ng/l	1.80	0.273	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.80	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.80	0.583	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.80	0.234	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.80	0.881	1
Perfluorooctanesulfonamide (FOSA)	0.572	J	ng/l	1.80	0.522	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.80	0.723	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.80	0.334	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.80	0.294	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.80	0.223	1
PFOA/PFOS, Total	1470		ng/l	1.80	0.212	1

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-04
Client ID: MW-9
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 12:15
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	96		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	117		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**302**	Q	1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**314**	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	25		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	81		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	73		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-04 RE
Client ID: MW-9
Sample Location: NEW ROCHELLE

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/30/20 02:59
Analyst: JW

Date Collected: 12/20/19 12:15
Date Received: 12/20/19
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 01/27/20 14:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonic Acid (PFOS)	1500		ng/l	10.0	2.52	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		42-146

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-04 D
Client ID: MW-9
Sample Location: NEW ROCHELLE

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/03/20 19:22
Analyst: PS

Date Collected: 12/20/19 12:15
Date Received: 12/20/19
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 12/24/19 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	320000		ng/l	577	130.	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	56		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-05
Client ID: MW-10
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 13:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/19 10:14
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-05
Client ID: MW-10
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 13:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-05
Client ID: MW-10
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 13:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	239	J	ug/l			1
Unknown	12.7	J	ug/l			1
Unknown Organic Acid	11.6	J	ug/l			1
Unknown	2.36	J	ug/l			1
Aldol Condensates (A)	44.3	J	ug/l			1
Unknown	4.00	J	ug/l			1
Unknown Alcohol	6.91	J	ug/l			1
Unknown Amide	3.78	J	ug/l			1
Tetrachloroethene	4.11	NJ	ug/l			1
Unknown	20.6	J	ug/l			1
Unknown Alcohol	25.2	J	ug/l			1
Unknown	55.5	J	ug/l			1
Unknown Organic Acid	4.47	J	ug/l			1
Saccharin	18.3	NJ	ug/l			1
Unknown	20.8	J	ug/l			1
Unknown	4.36	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	49		15-120
2,4,6-Tribromophenol	49		10-120
4-Terphenyl-d14	55		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-05
Client ID: MW-10
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 13:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/27/19 14:49
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.11		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.10	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Chrysene	0.02	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	0.36		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.07	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.06	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-05
Client ID: MW-10
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 13:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	42		10-120
4-Terphenyl-d14	124		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-05
Client ID: MW-10
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 13:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/24/20 20:01
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/31/19 08:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	3.46		ng/l	1.86	0.379	1
Perfluoropentanoic Acid (PFPeA)	4.09		ng/l	1.86	0.368	1
Perfluorobutanesulfonic Acid (PFBS)	635		ng/l	1.86	0.221	1
Perfluorohexanoic Acid (PFHxA)	4.94		ng/l	1.86	0.305	1
Perfluoroheptanoic Acid (PFHpA)	8.88		ng/l	1.86	0.209	1
Perfluorohexanesulfonic Acid (PFHxS)	43.7		ng/l	1.86	0.349	1
Perfluorooctanoic Acid (PFOA)	79.6		ng/l	1.86	0.219	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	9.40		ng/l	1.86	1.24	1
Perfluoroheptanesulfonic Acid (PFHpS)	97.2		ng/l	1.86	0.639	1
Perfluorononanoic Acid (PFNA)	2.04		ng/l	1.86	0.290	1
Perfluorooctanesulfonic Acid (PFOS)	3830	E	ng/l	1.86	0.468	1
Perfluorodecanoic Acid (PFDA)	1.26	J	ng/l	1.86	0.282	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.86	1.13	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.86	0.602	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.86	0.242	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.86	0.911	1
Perfluorooctanesulfonamide (FOSA)	13.2		ng/l	1.86	0.539	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	13.4		ng/l	1.86	0.747	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.86	0.346	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.86	0.304	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.86	0.230	1

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-05
Client ID: MW-10
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 13:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	90		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	151		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	74		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**172**	Q	47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**460**	Q	1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	113		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**366**	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	30		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	29		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**22**	Q	23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	73		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-05 RE/D
Client ID: MW-10
Sample Location: NEW ROCHELLE

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/31/20 03:20
Analyst: JW

Date Collected: 12/20/19 13:00
Date Received: 12/20/19
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 01/27/20 14:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonic Acid (PFOS)	4310		ng/l	20.0	5.04	2

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		42-146

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-05 D
Client ID: MW-10
Sample Location: NEW ROCHELLE

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/03/20 19:51
Analyst: PS

Date Collected: 12/20/19 13:00
Date Received: 12/20/19
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 12/24/19 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	283000		ng/l	577	130.	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	55		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-06
Client ID: DUP
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 00:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/19 10:41
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	2.7		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-06
Client ID: DUP
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 00:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	0.89	J	ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	0.53	J	ug/l	2.0	0.49	1

Tentatively Identified Compounds				
Total TIC Compounds	62.0	J	ug/l	1
Unknown	7.02	J	ug/l	1
Saccharin	14.5	NJ	ug/l	1
Unknown	14.5	J	ug/l	1
Unknown	13.8	J	ug/l	1
Aldol Condensates (A)	12.2	J	ug/l	1

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-06
Client ID: DUP
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 00:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	64		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-06
Client ID: DUP
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 00:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/03/20 08:34
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 12/24/19 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	10900		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	50		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-06
Client ID: DUP
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 00:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/27/19 15:06
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.68		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.05	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	1.1		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.33		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	1.3		ug/l	0.10	0.01	1
Phenanthrene	1.3		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.05	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-06
Client ID: DUP
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 00:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	134		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-06
Client ID: DUP
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 00:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/24/20 20:18
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/31/19 08:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	208		ng/l	1.84	0.376	1
Perfluoropentanoic Acid (PFPeA)	136		ng/l	1.84	0.365	1
Perfluorobutanesulfonic Acid (PFBS)	551		ng/l	1.84	0.220	1
Perfluorohexanoic Acid (PFHxA)	156		ng/l	1.84	0.302	1
Perfluoroheptanoic Acid (PFHpA)	196		ng/l	1.84	0.208	1
Perfluorohexanesulfonic Acid (PFHxS)	49.6		ng/l	1.84	0.347	1
Perfluorooctanoic Acid (PFOA)	838		ng/l	1.84	0.218	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	20.6		ng/l	1.84	1.23	1
Perfluoroheptanesulfonic Acid (PFHpS)	74.1		ng/l	1.84	0.635	1
Perfluorononanoic Acid (PFNA)	3.84		ng/l	1.84	0.288	1
Perfluorooctanesulfonic Acid (PFOS)	2430	E	ng/l	1.84	0.465	1
Perfluorodecanoic Acid (PFDA)	2.84		ng/l	1.84	0.280	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.84	1.12	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.84	0.598	1
Perfluoroundecanoic Acid (PFUnA)	0.266	J	ng/l	1.84	0.240	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.84	0.904	1
Perfluorooctanesulfonamide (FOSA)	50.5		ng/l	1.84	0.535	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	46.3		ng/l	1.84	0.742	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.84	0.343	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.84	0.302	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.84	0.229	1

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-06
Client ID: DUP
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 00:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	73		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	66		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	132		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	192		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**183**	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	37		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	85		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	39		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	43		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	68		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	59		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-06 RE
Client ID: DUP
Sample Location: NEW ROCHELLE

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/30/20 03:32
Analyst: JW

Date Collected: 12/20/19 00:00
Date Received: 12/20/19
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 01/27/20 14:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonic Acid (PFOS)	2580		ng/l	10.0	2.52	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		42-146

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-07
Client ID: FB
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 08:20
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/27/19 17:00
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-07
Client ID: FB
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 08:20
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Tentatively Identified Compounds						
Total TIC Compounds	93.8	J	ug/l			1
Aldol Condensates (A)	93.8	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	60		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-07
Client ID: FB
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 08:20
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/03/20 09:04
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 12/24/19 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	52		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-07
Client ID: FB
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 08:20
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/27/19 15:23
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-07
Client ID: FB
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 08:20
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	96		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-07
Client ID: FB
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 08:20
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/24/20 16:26
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/31/19 08:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.85	0.378	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.85	0.367	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.85	0.220	1
Perfluorohexanoic Acid (PFHxA)	0.459	J	ng/l	1.85	0.304	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.85	0.208	1
Perfluorohexanesulfonic Acid (PFHxS)	0.407	J	ng/l	1.85	0.348	1
Perfluorooctanoic Acid (PFOA)	0.967	J	ng/l	1.85	0.218	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	56.5		ng/l	1.85	1.23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.85	0.637	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.85	0.289	1
Perfluorooctanesulfonic Acid (PFOS)	1.49	J	ng/l	1.85	0.467	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.85	0.281	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.85	1.12	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.85	0.600	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.85	0.241	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.85	0.907	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.85	0.537	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.85	0.744	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.85	0.344	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.85	0.303	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.85	0.230	1
PFOA/PFOS, Total	2.46	J	ng/l	1.85	0.218	1

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-07
Client ID: FB
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 08:20
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	100		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	99		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	101		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	84		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	63		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	58		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/24/19 03:56
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1324148-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/24/19 03:56
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1324148-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/24/19 03:56
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1324148-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds			
Total TIC Compounds	53.3	J	ug/l
Unknown	2.11	J	ug/l
Aldol Condensates (A)	51.2	J	ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	71		41-149

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/27/19 12:00
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-07 Batch: WG1324150-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/27/19 12:00
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-07 Batch: WG1324150-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	**152**	Q	41-149

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/26/19 11:33
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 12/24/19 09:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-07 Batch: WG1324410-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	57		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/24/20 15:19
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/31/19 08:27

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-07 Batch: WG1326035-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	0.340	J	ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	0.256	J	ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.832	J	ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	0.256	J	ng/l	2.00	0.236

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/24/20 15:19
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/31/19 08:27

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-07 Batch: WG1326035-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	63		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	79		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	60		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	104		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	57		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	65		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/30/20 05:11
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 01/27/20 14:52

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01,04-06 Batch: WG1334234-1					
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	118		42-146

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961258

Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1324148-2 WG1324148-3								
Acenaphthene	78		73		37-111	7		30
1,2,4-Trichlorobenzene	75		72		39-98	4		30
Hexachlorobenzene	77		70		40-140	10		30
Bis(2-chloroethyl)ether	77		71		40-140	8		30
2-Chloronaphthalene	81		72		40-140	12		30
1,2-Dichlorobenzene	72		71		40-140	1		30
1,3-Dichlorobenzene	72		69		40-140	4		30
1,4-Dichlorobenzene	72		69		36-97	4		30
3,3'-Dichlorobenzidine	66		70		40-140	6		30
2,4-Dinitrotoluene	75		68		48-143	10		30
2,6-Dinitrotoluene	82		71		40-140	14		30
Fluoranthene	82		78		40-140	5		30
4-Chlorophenyl phenyl ether	76		73		40-140	4		30
4-Bromophenyl phenyl ether	82		72		40-140	13		30
Bis(2-chloroisopropyl)ether	72		66		40-140	9		30
Bis(2-chloroethoxy)methane	77		71		40-140	8		30
Hexachlorobutadiene	74		68		40-140	8		30
Hexachlorocyclopentadiene	67		61		40-140	9		30
Hexachloroethane	70		62		40-140	12		30
Isophorone	81		78		40-140	4		30
Naphthalene	78		71		40-140	9		30
Nitrobenzene	72		68		40-140	6		30
NDPA/DPA	80		74		40-140	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1324148-2 WG1324148-3								
n-Nitrosodi-n-propylamine	79		73		29-132	8		30
Bis(2-ethylhexyl)phthalate	81		72		40-140	12		30
Butyl benzyl phthalate	81		70		40-140	15		30
Di-n-butylphthalate	80		74		40-140	8		30
Di-n-octylphthalate	82		74		40-140	10		30
Diethyl phthalate	78		69		40-140	12		30
Dimethyl phthalate	79		70		40-140	12		30
Benzo(a)anthracene	82		76		40-140	8		30
Benzo(a)pyrene	71		66		40-140	7		30
Benzo(b)fluoranthene	79		73		40-140	8		30
Benzo(k)fluoranthene	83		77		40-140	8		30
Chrysene	76		68		40-140	11		30
Acenaphthylene	84		72		45-123	15		30
Anthracene	80		74		40-140	8		30
Benzo(ghi)perylene	87		78		40-140	11		30
Fluorene	79		72		40-140	9		30
Phenanthrene	80		71		40-140	12		30
Dibenzo(a,h)anthracene	79		75		40-140	5		30
Indeno(1,2,3-cd)pyrene	87		83		40-140	5		30
Pyrene	79		74		26-127	7		30
Biphenyl	82		72		40-140	13		30
4-Chloroaniline	62		56		40-140	10		30
2-Nitroaniline	77		68		52-143	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1324148-2 WG1324148-3								
3-Nitroaniline	68		66		25-145	3		30
4-Nitroaniline	68		63		51-143	8		30
Dibenzofuran	78		71		40-140	9		30
2-Methylnaphthalene	84		76		40-140	10		30
1,2,4,5-Tetrachlorobenzene	77		68		2-134	12		30
Acetophenone	80		73		39-129	9		30
2,4,6-Trichlorophenol	77		69		30-130	11		30
p-Chloro-m-cresol	85		78		23-97	9		30
2-Chlorophenol	81		72		27-123	12		30
2,4-Dichlorophenol	84		79		30-130	6		30
2,4-Dimethylphenol	68		58		30-130	16		30
2-Nitrophenol	74		68		30-130	8		30
4-Nitrophenol	62		55		10-80	12		30
2,4-Dinitrophenol	67		59		20-130	13		30
4,6-Dinitro-o-cresol	74		61		20-164	19		30
Pentachlorophenol	75		64		9-103	16		30
Phenol	56		55		12-110	2		30
2-Methylphenol	77		71		30-130	8		30
3-Methylphenol/4-Methylphenol	79		70		30-130	12		30
2,4,5-Trichlorophenol	79		68		30-130	15		30
Benzoic Acid	49		45		10-164	9		30
Benzyl Alcohol	72		68		26-116	6		30
Carbazole	83		75		55-144	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1324148-2 WG1324148-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		61		21-120
Phenol-d6	56		51		10-120
Nitrobenzene-d5	55		54		23-120
2-Fluorobiphenyl	61		53		15-120
2,4,6-Tribromophenol	70		60		10-120
4-Terphenyl-d14	67		62		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-07 Batch: WG1324150-2 WG1324150-3								
Acenaphthene	103		91		40-140	12		40
2-Chloronaphthalene	93		81		40-140	14		40
Fluoranthene	115		99		40-140	15		40
Hexachlorobutadiene	70		61		40-140	14		40
Naphthalene	90		82		40-140	9		40
Benzo(a)anthracene	105		91		40-140	14		40
Benzo(a)pyrene	111		97		40-140	13		40
Benzo(b)fluoranthene	113		96		40-140	16		40
Benzo(k)fluoranthene	116		101		40-140	14		40
Chrysene	98		89		40-140	10		40
Acenaphthylene	97		81		40-140	18		40
Anthracene	110		97		40-140	13		40
Benzo(ghi)perylene	96		93		40-140	3		40
Fluorene	106		91		40-140	15		40
Phenanthrene	106		94		40-140	12		40
Dibenzo(a,h)anthracene	118		105		40-140	12		40
Indeno(1,2,3-cd)pyrene	111		100		40-140	10		40
Pyrene	115		99		40-140	15		40
2-Methylnaphthalene	94		84		40-140	11		40
Pentachlorophenol	97		73		40-140	28		40
Hexachlorobenzene	81		72		40-140	12		40
Hexachloroethane	81		70		40-140	15		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-07 Batch: WG1324150-2 WG1324150-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	68		66		21-120
Phenol-d6	56		50		10-120
Nitrobenzene-d5	92		85		23-120
2-Fluorobiphenyl	89		77		15-120
2,4,6-Tribromophenol	67		54		10-120
4-Terphenyl-d14	144		123		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961258

Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab	Associated sample(s): 01-07		Batch: WG1324410-2 WG1324410-3					
1,4-Dioxane	112		110		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	53		51		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-07 Batch: WG1326035-2 WG1326035-3								
Perfluorobutanoic Acid (PFBA)	107		106		67-148	1		30
Perfluoropentanoic Acid (PFPeA)	112		111		63-161	1		30
Perfluorobutanesulfonic Acid (PFBS)	98		99		65-157	1		30
Perfluorohexanoic Acid (PFHxA)	110		109		69-168	1		30
Perfluoroheptanoic Acid (PFHpA)	106		108		58-159	2		30
Perfluorohexanesulfonic Acid (PFHxS)	111		101		69-177	9		30
Perfluorooctanoic Acid (PFOA)	108		108		63-159	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	108		116		49-187	7		30
Perfluoroheptanesulfonic Acid (PFHpS)	103		101		61-179	2		30
Perfluorononanoic Acid (PFNA)	109		106		68-171	3		30
Perfluorooctanesulfonic Acid (PFOS)	95		101		52-151	6		30
Perfluorodecanoic Acid (PFDA)	103		104		63-171	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	116		134		56-173	14		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	116		113		60-166	3		30
Perfluoroundecanoic Acid (PFUnA)	107		107		60-153	0		30
Perfluorodecanesulfonic Acid (PFDS)	100		108		38-156	8		30
Perfluorooctanesulfonamide (FOSA)	102		106		46-170	4		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	105		102		45-170	3		30
Perfluorododecanoic Acid (PFDoA)	112		110		67-153	2		30
Perfluorotridecanoic Acid (PFTrDA)	120		120		48-158	0		30
Perfluorotetradecanoic Acid (PFTA)	112		110		59-182	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-07 Batch: WG1326035-2 WG1326035-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		97		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		100		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		98		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		93		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94		96		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		105		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		97		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	82		80		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		99		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		108		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		99		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	86		83		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	61		67		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		103		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	44		60		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64		69		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		91		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78		83		33-143

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961258

Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,04-06 Batch: WG1334234-2 WG1334234-3								
Perfluorooctanesulfonic Acid (PFOS)	102		112		52-151	9		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		92		42-146

PCBS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-01
Client ID: MW-5S
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 08:30
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/19 14:23
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 18:31
Cleanup Method: EPA 3665A
Cleanup Date: 12/24/19
Cleanup Method: EPA 3660B
Cleanup Date: 12/24/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	0.039	J	ug/l	0.083	0.032	1	B
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	0.039	J	ug/l	0.083	0.032	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-02
Client ID: MW-5D
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 09:50
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/19 05:43
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 04:46
Cleanup Method: EPA 3665A
Cleanup Date: 12/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 12/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	B
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	103		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-03
Client ID: MW-8D
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 11:05
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/19 05:02
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 04:46
Cleanup Method: EPA 3665A
Cleanup Date: 12/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 12/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	B
Aroclor 1221	ND		ug/l	0.083	0.067	1	B
Aroclor 1232	ND		ug/l	0.083	0.046	1	B
Aroclor 1242	ND		ug/l	0.083	0.039	1	B
Aroclor 1248	ND		ug/l	0.083	0.049	1	B
Aroclor 1254	ND		ug/l	0.083	0.039	1	B
Aroclor 1260	ND		ug/l	0.083	0.032	1	B
Aroclor 1262	ND		ug/l	0.083	0.035	1	B
Aroclor 1268	ND		ug/l	0.083	0.034	1	B
PCBs, Total	ND		ug/l	0.083	0.032	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	30		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-04
Client ID: MW-9
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 12:15
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/19 05:16
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 04:46
Cleanup Method: EPA 3665A
Cleanup Date: 12/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 12/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**211**	Q	30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-05
Client ID: MW-10
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 13:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/19 05:29
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 04:46
Cleanup Method: EPA 3665A
Cleanup Date: 12/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 12/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	B
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-06
Client ID: DUP
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 00:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/19 14:37
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 18:31
Cleanup Method: EPA 3665A
Cleanup Date: 12/24/19
Cleanup Method: EPA 3660B
Cleanup Date: 12/24/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	0.045	J	ug/l	0.083	0.032	1	B
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	0.045	J	ug/l	0.083	0.032	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-07
Client ID: FB
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 08:20
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/19 14:50
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 18:31
Cleanup Method: EPA 3665A
Cleanup Date: 12/24/19
Cleanup Method: EPA 3660B
Cleanup Date: 12/24/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	0.035	J	ug/l	0.083	0.032	1	B
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	0.035	J	ug/l	0.083	0.032	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/24/19 03:00
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 02:55
Cleanup Method: EPA 3665A
Cleanup Date: 12/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 12/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-05 Batch: WG1323828-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
Aroclor 1260	0.039	J	ug/l	0.083	0.032	B
PCBs, Total	0.039	J	ug/l	0.083	0.032	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	34		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/24/19 15:31
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 18:31
Cleanup Method: EPA 3665A
Cleanup Date: 12/24/19
Cleanup Method: EPA 3660B
Cleanup Date: 12/24/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,06-07 Batch: WG1324212-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	B
PCBs, Total	ND		ug/l	0.083	0.032	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	71		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961258

Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-05 Batch: WG1323828-2 WG1323828-3									
Aroclor 1016	82		90		40-140	9		50	A
Aroclor 1260	72		81		40-140	12		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		89		30-150	A
Decachlorobiphenyl	**27**	Q	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		84		30-150	B
Decachlorobiphenyl	33		45		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961258

Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,06-07 Batch: WG1324212-2 WG1324212-3									
Aroclor 1016	81		77		40-140	5		50	A
Aroclor 1260	80		80		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		72		30-150	A
Decachlorobiphenyl	80		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		69		30-150	B
Decachlorobiphenyl	88		88		30-150	B

PESTICIDES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-01
Client ID: MW-5S
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 08:30
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/24/19 10:07
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 18:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-01
Client ID: MW-5S
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 08:30
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-02
Client ID: MW-5D
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 09:50
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/24/19 10:16
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 04:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-02
Client ID: MW-5D
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 09:50
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-03
Client ID: MW-8D
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 11:05
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/24/19 14:15
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 04:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-03
Client ID: MW-8D
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 11:05
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**193**	Q	30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	36		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-04
Client ID: MW-9
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 12:15
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/24/19 14:26
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 04:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	0.014	JIP	ug/l	0.029	0.006	1	B
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-04
Client ID: MW-9
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 12:15
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-05
Client ID: MW-10
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 13:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/24/19 14:37
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 04:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	0.013	JP	ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-05
Client ID: MW-10
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 13:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	122		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-06
Client ID: DUP
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 00:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/24/19 14:49
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 18:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-06
Client ID: DUP
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 00:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-07
Client ID: FB
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 08:20
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/24/19 15:00
Analyst: BM
Extraction Method: EPA 3510C
Extraction Date: 12/23/19 18:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	B
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-07
Client ID: FB
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 08:20
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/23/19 09:38
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 02:40

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG1323827-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/23/19 09:38
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 12/23/19 02:40

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG1323827-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	53		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1323827-2 WG1323827-3									
Delta-BHC	83		86		30-150	4		20	A
Lindane	76		81		30-150	7		20	A
Alpha-BHC	84		89		30-150	5		20	A
Beta-BHC	81		84		30-150	4		20	A
Heptachlor	83		87		30-150	4		20	A
Aldrin	82		87		30-150	6		20	A
Heptachlor epoxide	87		94		30-150	7		20	A
Endrin	95		100		30-150	5		20	A
Endrin aldehyde	88		98		30-150	11		20	A
Endrin ketone	98		107		30-150	9		20	A
Dieldrin	97		104		30-150	7		20	A
4,4'-DDE	91		97		30-150	6		20	A
4,4'-DDD	94		98		30-150	4		20	A
4,4'-DDT	96		104		30-150	8		20	A
Endosulfan I	87		94		30-150	8		20	A
Endosulfan II	87		93		30-150	6		20	A
Endosulfan sulfate	106		116		30-150	9		20	A
Methoxychlor	89		109		30-150	20		20	A
cis-Chlordane	77		83		30-150	7		20	A
trans-Chlordane	87		92		30-150	6		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961258

Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1323827-2 WG1323827-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		101		30-150	A
Decachlorobiphenyl	73		48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		101		30-150	B
Decachlorobiphenyl	68		46		30-150	B

METALS

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-01
Client ID: MW-5S
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 08:30
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0385		mg/l	0.0100	0.00327	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Antimony, Total	0.00093	J	mg/l	0.00400	0.00042	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Arsenic, Total	0.00041	J	mg/l	0.00050	0.00016	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Barium, Total	0.1018		mg/l	0.00050	0.00017	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Cadmium, Total	0.00046		mg/l	0.00020	0.00005	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Calcium, Total	135.		mg/l	0.100	0.0394	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Chromium, Total	0.07016		mg/l	0.00100	0.00017	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Cobalt, Total	0.02662		mg/l	0.00050	0.00016	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Copper, Total	0.1614		mg/l	0.00100	0.00038	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Iron, Total	6.81		mg/l	0.0500	0.0191	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Lead, Total	0.00043	J	mg/l	0.00100	0.00034	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Magnesium, Total	25.5		mg/l	0.0700	0.0242	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Manganese, Total	4.127		mg/l	0.00100	0.00044	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Mercury, Total	0.00034		mg/l	0.00020	0.00009	1	12/26/19 15:22	12/26/19 20:12	EPA 7470A	1,7470A	AL
Nickel, Total	12.97		mg/l	0.02000	0.00556	10	12/27/19 10:00	12/27/19 23:14	EPA 3005A	1,6020B	MG
Potassium, Total	36.6		mg/l	0.100	0.0309	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Selenium, Total	0.00309	J	mg/l	0.00500	0.00173	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Sodium, Total	363.		mg/l	0.100	0.0293	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Thallium, Total	0.00033	J	mg/l	0.00100	0.00014	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG
Zinc, Total	0.04721		mg/l	0.01000	0.00341	1	12/27/19 10:00	12/27/19 20:09	EPA 3005A	1,6020B	MG

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-02
Client ID: MW-5D
Sample Location: NEW ROCHELLE
Sample Depth:
Matrix: Water

Date Collected: 12/20/19 09:50
Date Received: 12/20/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0133		mg/l	0.0100	0.00327	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Arsenic, Total	0.00064		mg/l	0.00050	0.00016	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Barium, Total	0.07987		mg/l	0.00050	0.00017	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Cadmium, Total	0.00037		mg/l	0.00020	0.00005	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Calcium, Total	86.2		mg/l	0.100	0.0394	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Chromium, Total	0.04808		mg/l	0.00100	0.00017	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Cobalt, Total	0.02703		mg/l	0.00050	0.00016	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Copper, Total	0.08743		mg/l	0.00100	0.00038	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Iron, Total	10.0		mg/l	0.0500	0.0191	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Magnesium, Total	26.7		mg/l	0.0700	0.0242	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Manganese, Total	4.520		mg/l	0.00100	0.00044	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Mercury, Total	0.00031		mg/l	0.00020	0.00009	1	12/26/19 15:22	12/26/19 20:18	EPA 7470A	1,7470A	AL
Nickel, Total	4.426		mg/l	0.00200	0.00055	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Potassium, Total	14.1		mg/l	0.100	0.0309	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Sodium, Total	356.		mg/l	0.100	0.0293	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/27/19 10:00	12/27/19 21:17	EPA 3005A	1,6020B	MG
Zinc, Total	0.04430		mg/l	0.01000	0.00341	1	12/27/19 10:00	12/27/19 22:36	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-03
Client ID: MW-8D
Sample Location: NEW ROCHELLE
Sample Depth:
Matrix: Water

Date Collected: 12/20/19 11:05
Date Received: 12/20/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0780		mg/l	0.0100	0.00327	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Arsenic, Total	0.00272		mg/l	0.00050	0.00016	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Barium, Total	0.2292		mg/l	0.00050	0.00017	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Cadmium, Total	0.00015	J	mg/l	0.00020	0.00005	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Calcium, Total	309.		mg/l	0.100	0.0394	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Chromium, Total	0.00077	J	mg/l	0.00100	0.00017	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Cobalt, Total	0.00692		mg/l	0.00050	0.00016	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Copper, Total	0.00559		mg/l	0.00100	0.00038	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Iron, Total	27.1		mg/l	0.0500	0.0191	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Lead, Total	0.00048	J	mg/l	0.00100	0.00034	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Magnesium, Total	27.4		mg/l	0.0700	0.0242	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Manganese, Total	3.041		mg/l	0.00100	0.00044	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/26/19 15:22	12/26/19 20:19	EPA 7470A	1,7470A	AL
Nickel, Total	0.4008		mg/l	0.00200	0.00055	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Potassium, Total	149.		mg/l	0.100	0.0309	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Sodium, Total	225.		mg/l	0.100	0.0293	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/27/19 10:00	12/27/19 21:22	EPA 3005A	1,6020B	MG
Zinc, Total	0.00925	J	mg/l	0.01000	0.00341	1	12/27/19 10:00	12/27/19 22:45	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-04
Client ID: MW-9
Sample Location: NEW ROCHELLE
Sample Depth:
Matrix: Water

Date Collected: 12/20/19 12:15
Date Received: 12/20/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0355		mg/l	0.0100	0.00327	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Arsenic, Total	0.00143		mg/l	0.00050	0.00016	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Barium, Total	0.1036		mg/l	0.00050	0.00017	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Calcium, Total	109.		mg/l	0.100	0.0394	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Chromium, Total	0.04294		mg/l	0.00100	0.00017	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Cobalt, Total	0.00428		mg/l	0.00050	0.00016	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Copper, Total	0.00747		mg/l	0.00100	0.00038	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Iron, Total	0.309		mg/l	0.0500	0.0191	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Magnesium, Total	45.7		mg/l	0.0700	0.0242	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Manganese, Total	0.5947		mg/l	0.00100	0.00044	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/26/19 15:22	12/26/19 20:21	EPA 7470A	1,7470A	AL
Nickel, Total	0.02821		mg/l	0.00200	0.00055	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Potassium, Total	157.		mg/l	0.100	0.0309	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Sodium, Total	187.		mg/l	0.100	0.0293	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Thallium, Total	0.00019	J	mg/l	0.00100	0.00014	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG
Zinc, Total	ND		mg/l	0.01000	0.00341	1	12/27/19 10:00	12/27/19 21:27	EPA 3005A	1,6020B	MG

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-05
Client ID: MW-10
Sample Location: NEW ROCHELLE
Sample Depth:
Matrix: Water

Date Collected: 12/20/19 13:00
Date Received: 12/20/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0413		mg/l	0.0100	0.00327	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Arsenic, Total	0.00020	J	mg/l	0.00050	0.00016	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Barium, Total	0.03208		mg/l	0.00050	0.00017	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Cadmium, Total	0.00010	J	mg/l	0.00020	0.00005	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Calcium, Total	27.1		mg/l	0.100	0.0394	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Chromium, Total	7.937		mg/l	0.00100	0.00017	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Cobalt, Total	0.01328		mg/l	0.00050	0.00016	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Copper, Total	0.00819		mg/l	0.00100	0.00038	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Iron, Total	0.115		mg/l	0.0500	0.0191	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Magnesium, Total	10.3		mg/l	0.0700	0.0242	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Manganese, Total	0.5273		mg/l	0.00100	0.00044	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/26/19 15:22	12/26/19 20:23	EPA 7470A	1,7470A	AL
Nickel, Total	0.3981		mg/l	0.00200	0.00055	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Potassium, Total	5.97		mg/l	0.100	0.0309	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Sodium, Total	181.		mg/l	0.100	0.0293	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG
Zinc, Total	0.00842	J	mg/l	0.01000	0.00341	1	12/27/19 10:00	12/27/19 21:31	EPA 3005A	1,6020B	MG

Project Name: 33 CENTRE AVE
Lab Number: L1961258
Project Number: 10567
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-06
Client ID: DUP
Sample Location: NEW ROCHELLE
Date Collected: 12/20/19 00:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0260		mg/l	0.0100	0.00327	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Antimony, Total	0.00049	J	mg/l	0.00400	0.00042	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Arsenic, Total	0.00052		mg/l	0.00050	0.00016	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Barium, Total	0.1002		mg/l	0.00050	0.00017	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Cadmium, Total	0.00048		mg/l	0.00020	0.00005	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Calcium, Total	137.		mg/l	0.100	0.0394	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Chromium, Total	0.07838		mg/l	0.00100	0.00017	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Cobalt, Total	0.02797		mg/l	0.00050	0.00016	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Copper, Total	0.1598		mg/l	0.00100	0.00038	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Iron, Total	8.39		mg/l	0.0500	0.0191	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Lead, Total	0.00037	J	mg/l	0.00100	0.00034	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Magnesium, Total	26.6		mg/l	0.0700	0.0242	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Manganese, Total	4.447		mg/l	0.00100	0.00044	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Mercury, Total	0.00031		mg/l	0.00020	0.00009	1	12/26/19 15:22	12/26/19 20:25	EPA 7470A	1,7470A	AL
Nickel, Total	14.19		mg/l	0.1000	0.02780	50	12/27/19 10:00	12/27/19 23:47	EPA 3005A	1,6020B	MG
Potassium, Total	34.9		mg/l	0.100	0.0309	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Selenium, Total	0.00326	J	mg/l	0.00500	0.00173	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Sodium, Total	363.		mg/l	0.100	0.0293	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/27/19 10:00	12/27/19 21:36	EPA 3005A	1,6020B	MG
Zinc, Total	0.03883		mg/l	0.01000	0.00341	1	12/27/19 10:00	12/27/19 22:41	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-07
Client ID: FB
Sample Location: NEW ROCHELLE
Sample Depth:
Matrix: Water

Date Collected: 12/20/19 08:20
Date Received: 12/20/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.204		mg/l	0.0100	0.00327	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Barium, Total	0.00320		mg/l	0.00050	0.00017	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Calcium, Total	1.90		mg/l	0.100	0.0394	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Chromium, Total	0.00097	J	mg/l	0.00100	0.00017	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Copper, Total	0.00052	J	mg/l	0.00100	0.00038	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Iron, Total	0.215		mg/l	0.0500	0.0191	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Magnesium, Total	0.0292	J	mg/l	0.0700	0.0242	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Manganese, Total	0.00092	J	mg/l	0.00100	0.00044	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/26/19 15:22	12/26/19 20:26	EPA 7470A	1,7470A	AL
Nickel, Total	ND		mg/l	0.00200	0.00055	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Potassium, Total	0.0524	J	mg/l	0.100	0.0309	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Sodium, Total	3.23		mg/l	0.100	0.0293	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG
Zinc, Total	ND		mg/l	0.01000	0.00341	1	12/27/19 10:00	12/27/19 20:54	EPA 3005A	1,6020B	MG

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1324954-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/26/19 15:22	12/26/19 20:06	1,7470A	AL

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1325191-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Barium, Total	ND		mg/l	0.00050	0.00017	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Calcium, Total	ND		mg/l	0.100	0.0394	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Chromium, Total	0.00025	J	mg/l	0.00100	0.00017	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Copper, Total	ND		mg/l	0.00100	0.00038	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Iron, Total	ND		mg/l	0.0500	0.0191	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Manganese, Total	ND		mg/l	0.00100	0.00044	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Nickel, Total	ND		mg/l	0.00200	0.00055	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Potassium, Total	ND		mg/l	0.100	0.0309	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Sodium, Total	ND		mg/l	0.100	0.0293	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG
Zinc, Total	ND		mg/l	0.01000	0.00341	1	12/27/19 10:00	12/27/19 19:45	1,6020B	MG

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961258

Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1324954-2								
Mercury, Total	93		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961258

Report Date: 01/31/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1325191-2					
Aluminum, Total	99	-	80-120	-	
Antimony, Total	100	-	80-120	-	
Arsenic, Total	97	-	80-120	-	
Barium, Total	101	-	80-120	-	
Beryllium, Total	100	-	80-120	-	
Cadmium, Total	105	-	80-120	-	
Calcium, Total	91	-	80-120	-	
Chromium, Total	103	-	80-120	-	
Cobalt, Total	102	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	106	-	80-120	-	
Lead, Total	103	-	80-120	-	
Magnesium, Total	93	-	80-120	-	
Manganese, Total	98	-	80-120	-	
Nickel, Total	104	-	80-120	-	
Potassium, Total	89	-	80-120	-	
Selenium, Total	100	-	80-120	-	
Silver, Total	99	-	80-120	-	
Sodium, Total	89	-	80-120	-	
Thallium, Total	104	-	80-120	-	
Vanadium, Total	104	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961258

Report Date: 01/31/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1325191-2					
Zinc, Total	103	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1324954-3 QC Sample: L1961258-01 Client ID: MW-5S												
Mercury, Total	0.00034	0.005	0.00486	90		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1325191-3 QC Sample: L1961258-01 Client ID: MW-5S										
Aluminum, Total	0.0385	2	2.05	100		-	-	75-125	-	20
Antimony, Total	0.00093J	0.5	0.4380	88		-	-	75-125	-	20
Arsenic, Total	0.00041J	0.12	0.1099	92		-	-	75-125	-	20
Barium, Total	0.1018	2	2.122	101		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05033	101		-	-	75-125	-	20
Cadmium, Total	0.00046	0.051	0.05393	105		-	-	75-125	-	20
Calcium, Total	135.	10	156	**210**	Q	-	-	75-125	-	20
Chromium, Total	0.07016	0.2	0.2762	103		-	-	75-125	-	20
Cobalt, Total	0.02662	0.5	0.5264	100		-	-	75-125	-	20
Copper, Total	0.1614	0.25	0.4036	97		-	-	75-125	-	20
Iron, Total	6.81	1	8.18	**137**	Q	-	-	75-125	-	20
Lead, Total	0.00043J	0.51	0.5180	102		-	-	75-125	-	20
Magnesium, Total	25.5	10	35.6	101		-	-	75-125	-	20
Manganese, Total	4.127	0.5	4.809	**136**	Q	-	-	75-125	-	20
Nickel, Total	12.97	0.5	13.06	**18**	Q	-	-	75-125	-	20
Potassium, Total	36.6	10	48.5	119		-	-	75-125	-	20
Selenium, Total	0.00309J	0.12	0.124	103		-	-	75-125	-	20
Silver, Total	ND	0.05	0.04886	98		-	-	75-125	-	20
Sodium, Total	363.	10	378	**150**	Q	-	-	75-125	-	20
Thallium, Total	0.00033J	0.12	0.1251	104		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.5243	105		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1325191-3 QC Sample: L1961258-01 Client ID: MW-5S									
Zinc, Total	0.04721	0.5	0.5691	104	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1324954-4 QC Sample: L1961258-01 Client ID: MW-5S						
Mercury, Total	0.00034	0.00036	mg/l	7		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1325191-4 QC Sample: L1961258-01 Client ID: MW-5S					
Aluminum, Total	0.0385	0.0422	mg/l	9	20
Antimony, Total	0.00093J	0.00142J	mg/l	NC	20
Arsenic, Total	0.00041J	0.00056	mg/l	NC	20
Barium, Total	0.1018	0.1006	mg/l	1	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	0.00046	0.00048	mg/l	4	20
Calcium, Total	135.	135	mg/l	0	20
Chromium, Total	0.07016	0.06795	mg/l	3	20
Cobalt, Total	0.02662	0.02577	mg/l	3	20
Copper, Total	0.1614	0.1542	mg/l	5	20
Iron, Total	6.81	6.59	mg/l	3	20
Lead, Total	0.00043J	0.00045J	mg/l	NC	20
Magnesium, Total	25.5	24.7	mg/l	3	20
Manganese, Total	4.127	4.066	mg/l	1	20
Potassium, Total	36.6	36.5	mg/l	0	20
Selenium, Total	0.00309J	0.00299J	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	363.	346	mg/l	5	20
Thallium, Total	0.00033J	0.00106	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961258

Report Date: 01/31/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1325191-4 QC Sample: L1961258-01 Client ID: MW-5S					
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.04721	0.04472	mg/l	5	20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1325191-4 QC Sample: L1961258-01 Client ID: MW-5S					
Nickel, Total	12.97	12.70	mg/l	2	20

INORGANICS
&
MISCELLANEOUS

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-01
Client ID: MW-5S
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 08:30
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	12/22/19 16:35	12/23/19 12:07	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-02
Client ID: MW-5D
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 09:50
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.046		mg/l	0.005	0.001	1	12/22/19 16:35	12/23/19 12:08	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-03
Client ID: MW-8D
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 11:05
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/22/19 16:35	12/23/19 12:09	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-04
Client ID: MW-9
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 12:15
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.004	J	mg/l	0.005	0.001	1	12/23/19 14:55	12/23/19 17:26	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-05
Client ID: MW-10
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 13:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.009		mg/l	0.005	0.001	1	12/23/19 14:55	12/23/19 17:27	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-06
Client ID: DUP
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 00:00
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.055		mg/l	0.005	0.001	1	12/23/19 14:55	12/23/19 17:28	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

SAMPLE RESULTS

Lab ID: L1961258-07
Client ID: FB
Sample Location: NEW ROCHELLE

Date Collected: 12/20/19 08:20
Date Received: 12/20/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/23/19 14:55	12/23/19 17:31	1,9010C/9012B	LH

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1323773-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/22/19 16:35	12/23/19 11:10	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 04-07 Batch: WG1324067-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/23/19 14:55	12/23/19 17:01	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L1961258

Report Date: 01/31/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1323773-2 WG1323773-3								
Cyanide, Total	95		96		85-115	1		20
General Chemistry - Westborough Lab Associated sample(s): 04-07 Batch: WG1324067-2 WG1324067-3								
Cyanide, Total	92		95		85-115	3		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1323773-4 WG1323773-5 QC Sample: L1961055-01 Client ID: MS Sample												
Cyanide, Total	0.003J	0.2	0.209	104		0.205	102		80-120	2		20
General Chemistry - Westborough Lab Associated sample(s): 04-07 QC Batch ID: WG1324067-4 WG1324067-5 QC Sample: L1961258-06 Client ID: DUP												
Cyanide, Total	0.055	0.2	0.238	91		0.230	87		80-120	3		20

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1961258-01A	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)
L1961258-01B	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)
L1961258-01C	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)
L1961258-01D	Amber 120ml unpreserved	B	7	7	2.2	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-01D1	Amber 120ml unpreserved	B	7	7	2.2	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-01D2	Amber 120ml unpreserved	B	7	7	2.2	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-01D3	Amber 120ml unpreserved	B	7	7	2.2	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-01E	Plastic 250ml unpreserved	B	NA		2.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961258-01F	Plastic 250ml unpreserved	B	NA		2.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961258-01G	Plastic 250ml NaOH preserved	B	>12	>12	2.2	Y	Absent		TCN-9010(14)
L1961258-01H	Amber 250ml unpreserved	B	7	7	2.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961258-01I	Amber 250ml unpreserved	B	7	7	2.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961258-01J	Amber 250ml unpreserved	B	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961258-01K	Amber 250ml unpreserved	B	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961258-01L	Plastic 250ml HNO3 preserved	B	<2	<2	2.2	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1961258-02A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L1961258-02B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1961258-02C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L1961258-02D	Amber 120ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-02D1	Amber 120ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-02D2	Amber 120ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-02D3	Amber 120ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-02E	Plastic 250ml unpreserved	A	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961258-02F	Plastic 250ml NaOH preserved	A	>12	>12	2.4	Y	Absent		TCN-9010(14)
L1961258-02G	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961258-02I	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961258-02J	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961258-02K	Plastic 250ml HNO3 preserved	A	<2	<2	2.4	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1961258-03A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L1961258-03B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L1961258-03C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L1961258-03D	Amber 120ml unpreserved	A	>12	>12	2.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-03D1	Amber 120ml unpreserved	A	>12	>12	2.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-03D2	Amber 120ml unpreserved	A	>12	>12	2.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-03D3	Amber 120ml unpreserved	A	>12	>12	2.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-03E	Plastic 250ml unpreserved	A	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961258-03F	Plastic 250ml unpreserved	A	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961258-03G	Plastic 250ml NaOH preserved	A	>12	>12	2.4	Y	Absent		TCN-9010(14)
L1961258-03H	Amber 250ml unpreserved	A	>12	>12	2.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961258-03I	Amber 250ml unpreserved	A	>12	>12	2.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961258-03J	Amber 250ml unpreserved	A	>12	>12	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1961258-03K	Amber 250ml unpreserved	A	>12	>12	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961258-03L	Plastic 250ml HNO3 preserved	A	<2	<2	2.4	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1961258-04A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L1961258-04B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L1961258-04C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L1961258-04D	Amber 120ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-04D1	Amber 120ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-04D2	Amber 120ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-04D3	Amber 120ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-04E	Plastic 250ml unpreserved	A	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961258-04F	Plastic 250ml unpreserved	A	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961258-04G	Plastic 250ml NaOH preserved	A	>12	>12	2.4	Y	Absent		TCN-9010(14)
L1961258-04H	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961258-04I	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961258-04J	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961258-04K	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961258-04L	Plastic 250ml HNO3 preserved	A	<2	<2	2.4	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1961258-05A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L1961258-05B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L1961258-05C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1961258-05D	Amber 120ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-05D1	Amber 120ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-05D2	Amber 120ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-05D3	Amber 120ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-05E	Plastic 250ml unpreserved	A	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961258-05F	Plastic 250ml unpreserved	A	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961258-05G	Plastic 250ml NaOH preserved	A	>12	>12	2.4	Y	Absent		TCN-9010(14)
L1961258-05H	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961258-05I	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961258-05J	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961258-05K	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961258-05L	Plastic 250ml HNO3 preserved	A	<2	<2	2.4	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1961258-06A	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)
L1961258-06B	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)
L1961258-06C	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)
L1961258-06D	Amber 120ml unpreserved	B	7	7	2.2	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-06D1	Amber 120ml unpreserved	B	7	7	2.2	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-06D2	Amber 120ml unpreserved	B	7	7	2.2	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-06D3	Amber 120ml unpreserved	B	7	7	2.2	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-06E	Plastic 250ml unpreserved	B	NA		2.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961258-06F	Plastic 250ml unpreserved	B	NA		2.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961258-06G	Plastic 250ml NaOH preserved	B	>12	>12	2.2	Y	Absent		TCN-9010(14)
L1961258-06H	Amber 250ml unpreserved	B	7	7	2.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961258-06J	Amber 250ml unpreserved	B	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1961258-06K	Amber 250ml unpreserved	B	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961258-06L	Plastic 250ml HNO3 preserved	B	<2	<2	2.2	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1961258-07A	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L1961258-07B	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L1961258-07C	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L1961258-07D	Amber 120ml unpreserved	C	7	7	2.0	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-07D1	Amber 120ml unpreserved	C	7	7	2.0	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-07D2	Amber 120ml unpreserved	C	7	7	2.0	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-07D3	Amber 120ml unpreserved	C	7	7	2.0	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(7)
L1961258-07E	Plastic 250ml unpreserved	C	NA		2.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L1961258-07G	Plastic 250ml NaOH preserved	C	>12	>12	2.0	Y	Absent		TCN-9010(14)
L1961258-07H	Amber 250ml unpreserved	C	7	7	2.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961258-07I	Amber 250ml unpreserved	C	7	7	2.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1961258-07J	Amber 250ml unpreserved	C	7	7	2.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961258-07K	Amber 250ml unpreserved	C	7	7	2.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1961258-07L	Plastic 250ml HNO3 preserved	C	<2	<2	2.0	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1961258-08A	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L1961258-08B	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L1961258
Report Date: 01/31/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)

Container Comments

L1961258-03D	pH due to nature of sample
L1961258-03D1	pH due to nature of sample
L1961258-03D2	pH due to nature of sample
L1961258-03D3	pH due to nature of sample
L1961258-03H	pH due to nature of sample
L1961258-03I	pH due to nature of sample
L1961258-03J	pH due to nature of sample
L1961258-03K	pH due to nature of sample

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L1961258
Report Date: 01/31/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1

Project Name:	33 CENTRE AVE	**Lab Number:**	L1961258
Project Number:	10567	**Report Date:**	01/31/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1961258
Project Number:	10567	**Report Date:**	01/31/20

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1961258
Project Number:	10567	**Report Date:**	01/31/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L1961258
Project Number:	10567	**Report Date:**	01/31/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 12/21/19

ALPHA Job #: L1961258

Client Information
Client: SESI
Address: 12 A Maple Ave Pinebrook, NJ
Phone: 973-808-9050
Fax:
Email: Jam@sesi.org

Project Information
Project Name: 33 Centre Ave
Project Location: New Rochelle
Project #: 10567, phase 3
(Use Project name as Project #)
Project Manager: Jesse M
ALPHAQuote #:

Turn-Around Time
Standard: X
Due Date:
Rush (only if pre approved):
# of Days:

Deliverables
- [ ] ASP-A
- [ ] ASP-B
- [x] EQuIS (1 File)
- [ ] EQuIS (4 File)
- [ ] Other

Billing Information
- [ ] Same as Client Info
PO #

Regulatory Requirement
- [x] NY TOGS
- [x] NY Part 375
- [x] AWQ Standards
- [ ] NY CP-51
- [ ] NY Restricted Use
- [ ] Other
- [ ] NY Unrestricted Use
- [ ] NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
- [ ] NJ
- [ ] NY
- [ ] Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
- [ ] Done
- [ ] Lab to do

Preservation
- [ ] Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL ITCL+30	1,4-Dioxane	PFAS (NYS DEC21)	Total Bottle	Sample Specific Comments
61258-01	MW-5S	12/20/19	0830	GW	DT	X	X	X		
-02	MW-5D		0950							
-03	MW-3D		1105							
-04	MW-9		1215							
-05	MW-10		1300							
-06	DUP		—							
-07	FB		0820	DI						
-08	TB		—	DI						

Container Type	PAV	PAV	PAV
Preservative	C	C	C

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By	Date/Time	Received By	Date/Time
	12/20/19 1600		12/20/19 16:00
	12/20/19 16:45		12/20/19 19:30
	12/20/19 23:00		12/20/19 2300

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX I

Data Usability Study Reports

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

SESI Consulting Engineers
12A Maple Avenue
Pine Brook, NJ 07058
ATTN: Mr. Steven Gustems
ssg@sesi.org

January 7, 2020

SUBJECT: Huguenot Street Development, Data Validation

Dear Mr. Gustems,

Enclosed are the final validation reports for the fractions listed below. This SDG was received on November 26, 2019. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #46620:

SDG #	Fraction
L1951248	Volatiles, Semivolatiles, Chlorinated Pesticides, Polychlorinated Biphenyls, Metals, Total Cyanide, Perfluoroalkyl & Polyfluoroalkyl Substances

The data validation was performed under Category B guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA Region 2 Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C, SOP HW-24, Revision 4; October 2014
- USEPA Region 2 Standard Operating Procedure for Semivolatile Data Validation SW-846 Method 8270D, SOP HW-35A, Revision 0; June 2015
- USEPA Region 2 Standard Operating Procedure for Validating Pesticide Compounds, Organochlorine Pesticides by Gas Chromatography SW-846 Method 8081B, SOP HW-44, Revision 1.1; December 2010
- USEPA Region 2 Standard Operating Procedure for Validating PCB Compounds, PCBs by Gas Chromatography SW-846 Method 8082A, SOP HW-45, Revision 1; October 2006
- USEPA Data Review and Validation Guidelines for Perfluoroalkyl Substances Analyzed Using EPA Method 537; November 2018
- USEPA Region 2 Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program, SOP HW-3a/c, Revision 1; September 2016

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-2017-002; January 2017

- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, EPA 540-R-2017-001; January 2017

- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014

Please feel free to contact us if you have any questions.

Sincerely,

Christina Rink

Christina Rink
crink@lab-data.com
Project Manager/Senior Chemist

Category B EDD

LDC#46620 (SESI Consulting Engineers, Pine Brook, NJ / Huguenot Street Development)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (8260C)		SVOA (8270D)		Pest. (8081B)		PCBs (8082A)		Metals (6010D /7471B)		PFAs (537M)		T.CN- (9010C /9012B)																							
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	L1951248	11/26/19	12/19/19	0	9	0	8	0	8	0	8	0	8	0	6	0	8																					
Total	T/CR			0	9	0	8	0	8	0	8	0	8	0	6	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55

Shaded cells indicate Category B validation (all other cells are Category A validation). These sample counts do not include MS/MSD, and DUPs

Site: 33 Centre Avenue
Laboratory: Alpha Analytical, Inc.
Report No.: L1951248
Reviewer: Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date: December 19, 2019

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
B-19 (4'-5')	L1951248-01	VOC, SVOC, Pesticide, PCB, PFAS
B-19 (5.5'-6.5')	L1951248-02	VOC, SVOC, Pesticide, PCB, PFAS
B-12 (3'-4')	L1951248-03	VOC, SVOC, Pesticide, PCB, PFAS
B-12 (8'-9')	L1951248-04	VOC, SVOC, Pesticide, PCB, PFAS
B-18 (2'-3')	L1951248-05	VOC, SVOC, Pesticide, PCB, PFAS
B-17 (1.5'-2.5')	L1951248-06	VOC, SVOC, Pesticide, PCB, PFAS
WC-B2 (0'-5') COMP	L1951248-07	SVOC, Pesticide, PCB
WC-B2 (3') VOCS	L1951248-08	VOC
WC-B2 (5'-10') COMP	L1951248-09	SVOC, Pesticide, PCB
WC-B2 (8') VOCS	L1951248-10	VOC
B-12 (8'-9')DL	L1951248-04DL	VOC

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed soil samples were collected on October 30, 2019 and were analyzed for volatile organic compounds (VOC) by SW-846 method 8260C, semivolatile organic compounds (SVOC) by SW-846 method 8270D, chlorinated pesticides by SW-846 method 8081B, polychlorinated biphenyls (PCB) by SW-846 method 8082A, and perfluoroalkyl and polyfluoroalkyl substances (PFAS) by method 537 modified. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C,* SOP HW-24, Revision 4 (October 2014), the USEPA Region 2 *Standard Operating Procedure for Semivolatile Data Validation SW-846 Method 8270D,* SOP HW-35A, Revision 0 (June 2015), the USEPA Region 2 *Standard Operating Procedure for Validating Pesticide Compounds, Organochlorine Pesticides by Gas Chromatography SW-846 Method 8081B,* SOP HW-44, Revision 1.1 (December 2010), the USEPA Region 2 *Standard Operating Procedure for Validating PCB Compounds, PCBs by Gas Chromatography SW-846 Method 8082A,* SOP HW-45, Revision 1 (October 2006), the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-2017-002 (January 2017), and the USEPA Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFAS) Analyzed Using EPA Method 537 (November 2018), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- GC/Electron Capture Detector (GC/ECD) Instrument Performance Checks
- Liquid Chromatography/Mass Spectrometry (LC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards/Labeled Compounds
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers with the exception listed below.

Sample B-12 (8'-9') was diluted for trichloroethene due to original analysis exceeding the calibration range. For trichloroethene results in sample B-12 (8'-9'), the diluted results should be considered the most usable. For all results in sample B-12 (8'-9') except trichloroethene, the original results should be considered the most usable.

The SVOC nondetect result for benzoic acid in sample WC-B2 (5'-10') COMP was rejected (R) due to low LCS/LCSD recoveries. The result is not usable for project objectives, which may have a major impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

VOC and SVOC

All criteria were met.

GC/ECD Instrument Performance Checks

Pesticide

All criteria were met.

LC/MS Tunes

PFAS

All criteria were met.

Initial and Continuing Calibrations

VOC

Initial calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
10/12/19	ICAL-VOA111	1,4-Dioxane	0.00197 (≥0.005)	B-19 (4'-5') B-19 (5.5'-6.5') B-12 (3'-4') B-12 (8'-9') B-18 (2'-3') B-17 (1.5'-2.5') WC-B2 (3') VOCS WC-B2 (8') VOCS B-12 (8'-9')DL	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane result was estimated due to response factor exceedance. The bias cannot be determined. The result can be used for project objectives as nondetect with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
10/31/19 (06:59)	CCV	Dichlorodifluoromethane	24.8	B-19 (4'-5')	XX	UJ nondetects
		Vinyl chloride	22.9	B-19 (5.5'-6.5')	XX	UJ nondetects
		Bromomethane	31.9	B-12 (3'-4')	XX	UJ nondetects
				B-12 (8'-9')		
				B-18 (2'-3')		
				B-17 (1.5'-2.5')		
				WC-B2 (3') VOCS		
				B-12 (8'-9')DL		
10/31/19 (18:55)	CCV	Bromomethane	34.3	WC-B2 (8') VOCS	XX	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The dichlorodifluoromethane, vinyl chloride, and bromomethane results for the samples listed above were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
10/31/19 (06:59)	CCV	1,4-Dioxane	0.00193 (≥0.005)	B-19 (4'-5')	+	UJ nondetects
				B-19 (5.5'-6.5')		
				B-12 (3'-4')		
				B-12 (8'-9')		
				B-18 (2'-3')		
				B-17 (1.5'-2.5')		
				WC-B2 (3') VOCS		
				B-12 (8'-9')DL		
10/31/19 (18:55)	CCV	1,4-Dioxane	0.00205 (≥0.005)	WC-B2 (8') VOCS	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane results were estimated due to response factor exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

SVOC

Initial calibration:

All criteria were met.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
10/31/19	CCV-Juliet	Bis(2-chloroisopropyl) ether	27.9	B-17 (1.5'-2.5') WC-B2 (0'-5') COMP	XX	UJ nondetects
11/01/19	CCV-Juliet	Bis(2-chloroisopropyl) ether	34.5	WC-B2 (5'-10') COMP	XX	UJ nondetects
10/31/19	CCV-Buffy	Bis(2-chloroisopropyl) ether Hexachlorocyclopentadiene 2,4-Dinitrophenol	22.8 22.7 22	B-19 (4'-5') B-19 (5.5'-6.5') B-12 (3'-4') B-12 (8'-9') B-18 (2'-3')	XX XX XX	UJ nondetects UJ nondetects UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The bis(2-chloroisopropyl) ether, hexachlorocyclopentadiene, and 2,4-dinitrophenol results were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Pesticide

Initial calibration:

All criteria were met.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Column	Compound	CC %D	Associated Samples		Validation Action
10/31/19	CCV-15	CLP2	Methoxychlor	24.9	B-19 (4'-5') B-19 (5.5'-6.5') B-12 (3'-4') B-12 (8'-9') B-18 (2'-3') WC-B2 (0'-5') COMP WC-B2 (5'-10') COMP	XX	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The methoxychlor result was estimated due to continuing calibration exceedance. The bias cannot be determined. The result can be used for project objectives as a nondetect with an estimated quantitation limit (UJ) which may have a minor impact on the data usability.

PCB

All criteria were met.

PFAS

Initial calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	IC %D	Associated Samples		Affected Compound	Validation Action
11/18/19	ICAL-0.5 STD	br-PFHxS	82.2	B-19 (4'-5') B-19 (5.5'-6.5') B-12 (3'-4') B-12 (8'-9') B-18 (2'-3') B-17 (1.5'-2.5')	SS	Perfluorohexanesulfonic acid	J detects/UJ nondetects
11/18/19	ICAL-1.0 STD	br-PFHxS br-PFOS	46.5 33.7	B-19 (4'-5') B-19 (5.5'-6.5') B-12 (3'-4') B-12 (8'-9') B-18 (2'-3') B-17 (1.5'-2.5')	SS SS	Perfluorohexanesulfonic acid Perfluorooctanesulfonic acid	J detects/UJ nondetects J detects/UJ nondetects
11/18/19	ICAL-500 STD	PFTrDA	46.2	B-19 (4'-5') B-19 (5.5'-6.5') B-12 (3'-4') B-12 (8'-9') B-18 (2'-3') B-17 (1.5'-2.5')	SS	Perfluorotridecanoic acid	J detects/UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.

XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
ISC = Instrument sensitivity check (ISC) percent difference (%D) > 50; estimate (J/UJ) positive and nondetect results.

The perfluorohexanesulfonic acid, perfluorooctanesulfonic acid, and perfluorotridecanoic acid results were estimated due to second source calibration exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Continuing calibration:

All criteria were met.

Blanks

VOC

Contamination was detected in the associated VOC method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Blank ID	Compound TIC (RT in minutes)	Level Detected	Action Level	Associated Samples
WG1302937-5 Blank	Methyl-tert-butyl ether Unknown (2.08)	0.23 ug/Kg 6.24 ug/Kg	RL RL	B-19 (4'-5') B-19 (5.5'-6.5') B-12 (3'-4') B-12 (8'-9') B-18 (2'-3') B-17 (1.5'-2.5') WC-B2 (3') VOCS
WG1303065-5 Blank	Methyl-tert-butyl ether Unknown (2.08)	11 ug/Kg 312 ug/Kg	RL RL	B-12 (8'-9')DL
WG1303472-5 Blank	Methyl-tert-butyl ether	0.22 ug/Kg	RL	WC-B2 (8') VOCS

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

Qualified sample results are listed in the table below.

Sample ID	Compound TIC (RT in minutes)	Level Detected	Validation Action
B-12 (8'-9')DL	Unknown (2.08)	1420 ug/Kg	1420U ug/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

A field blank was not associated with this samples set. Validation action was not required on this basis.

SVOC, Pesticide, and PCB

Contamination was not detected in the method blanks.

A field blank was not associated with this sample set. Validation action was not required on this basis.

PFAS

Contamination was detected in the associated PFAS method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at the reporting limit (RL) for contaminants. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
WG1302870-1 Blank	Perfluorobutanoic acid	0.103 ug/Kg	RL	B-19 (4'-5') B-19 (5.5'-6.5') B-12 (3'-4') B-12 (8'-9') B-18 (2'-3') B-17 (1.5'-2.5')

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

No samples were qualified since the associated sample results were nondetect.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

VOC, SVOC, Pesticide, and PCB

All criteria were met.

MS/MSD Results

MS/MSD analyses were not associated with this sample set. Validation action was not required on this basis.

LCS Results

VOC, Pesticide, and PCB

All criteria were met.

SVOC

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the SVOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
WG1303105-2/3 LCS/LCSD	Benzoic acid	0 (10-110)	0 (10-110)	WC-B2 (5'-10') COMP	R nondetects

- Within control limits

The SVOC nondetect result for benzoic acid in sample WC-B2 (5'-10') COMP was rejected (R) due to low LCS/LCSD recoveries. The result is not usable for project objectives, which may have a major impact on the data usability.

PFAS

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the PFAS analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
WG1302870-2/3 LCS/LCSD	1H,1H,2H,2H-Perfluorodecanesulfonic acid	-	152 (65-137)	B-19 (4'-5') B-19 (5.5'-6.5') B-12 (3'-4') B-12 (8'-9') B-18 (2'-3') B-17 (1.5'-2.5')	None

- Within control limits

Validation action was not required for 1H,1H,2H,2H-perfluorodecanesulfonic acid due to high LCS/LCSD percent recovery as positive results only are affected and this compound was not detected in the associated samples.

Internal Standards/Labeled Compounds

VOC, SVOC, Pesticide, and PCB

All criteria were met.

PFAS

The following table lists the labeled compound percent recoveries (%R) outside of control limits in the PFAS analysis and the resulting validation actions.

Sample	Labeled Compound	%R (Limits)	Affected Compound	Validation actions
B-17 (1.5'-2.5')	M-PFBA	41 (60-153)	Perfluorobutanoic acid	J detects/UJ nondetects
	M5-PFPeA	43 (65-182)	Perfluoropentanoic acid	J detects/UJ nondetects
	M5-PFHxA	38 (61-147)	Perfluorohexanoic acid	J detects/UJ nondetects
	M4-PFHpA	48 (62-149)	Perfluoroheptanoic acid	J detects/UJ nondetects
	M8-PFOA	60 (63-166)	Perfluorooctanoic acid	J detects/UJ nondetects
	D3-NMeFOSAA	24 (45-137)	N-Methyl perfluorooctanesulfonamidoacetic acid	J detects/UJ nondetects
	D5-NEtFOSAA	26 (42-136)	N-Ethyl perfluorooctanesulfonamidoacetic acid	J detects/UJ nondetects
B-19 (4'-5')	M2-6:2FTS	279 (32-182)	1H,1H,2H,2H-Perfluorooctanesulfonic acid	UJ nondetects
	MP-PFDoA	163 (56-148)	Perfluorododecanoic acid	UJ nondetects

The perfluorobutanoic acid, perfluoropentanoic acid, perfluorohexanoic acid, perfluoroheptanoic acid, perfluorooctanoic acid, n-methyl perfluorooctanesulfonamidoacetic acid, n-ethyl perfluorooctanesulfonamidoacetic acid, 1H,1H,2H,2H-perfluorooctanesulfonic acid, and perfluorododecanoic acid results for the samples listed above were estimated due to labeled compound percent recovery exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Moisture Content

All criteria were met.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC, SVOC, and PFAS analyses. These results were qualified as estimated (J) by the laboratory.

No results were reported below the RL and above the MDL in the pesticide and PCB analyses.

Dilutions were not required for VOC, SVOC, pesticide, PCB, and PFAS analyses.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 46620A1a **VALIDATION COMPLETENESS WORKSHEET** Date: 12/18/19
SDG #: L1951248 Category B Page: 1 of 1
Laboratory: Alpha Analytical, Inc. Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	%RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	SW	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	CS
IX.	Laboratory control samples	A	LCS ID
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Results < RL > MDL = J det
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	SW	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	B-19 (4'-5')	L1951248-01	Soil	10/30/19
2	B-19 (5.5'-6.5')	L1951248-02	Soil	10/30/19
3	B-12 (3'-4')	L1951248-03	Soil	10/30/19
4	B-12 (8'-9')	L1951248-04	Soil	10/30/19
5	B-18 (2'-3')	L1951248-05	Soil	10/30/19
6	B-17 (1.5'-2.5')	L1951248-06	Soil	10/30/19
7	WC-B2 (3') VOCS	L1951248-08	Soil	10/30/19
8	WC-B2 (8') VOCS	L1951248-10	Soil	10/30/19
9	# 4 DL	-4	↓	↓
10				

Notes:

1	WG1302937-5 Blank					
2	WG1303065-5 Blank					
3	WG1303472-5 Blank					

LDC #: 46620A1a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?	✓			
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 46620A1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?
Y N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?
Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____
Y N N/A Did the initial calibration meet the acceptance criteria?
Y N N/A Were all %RSDs and RRFs within the validation criteria of ≤20 %RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: 20%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
	10/12/19	ICAL-VOA 111	HHHH		0.00197 (≥0.005)	All	J/UJ/A ND

LDC #: 46620A1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	10/31/19	ccv	JJ	24.8		1-7, 9,	J/UJ/Δ (ND)
	0659		C	22.9		WG1302937-5 Blank	
			B	31.9		WG1303065-5 Blank	
			HHHH		0.00193 (<0.005)	↓	↓
	10/31/19	ccv	B	34.3		8, WG1303472-5 Blank	J/UJ/Δ (ND)
	1855		HHHH		0.00205 (<0.005)	↓	↓

LDC #: 46620A/a

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
Y N N/A Was a method blank associated with every sample in this SDG?
Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?
Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 10/31/19
Conc. units: ug/kg
Associated Samples: 1 → 7 (ND)

Compound	Blank ID	Sample Identification							
	WG130297-5 Blank								
LL <	0.23								
TIC Unknown	6.24 (2.08)								

Blank analysis date: 10/31/19
Conc. units: ug/kg
Associated Samples: 9

Compound	Blank ID	Sample Identification							
	WG130306-5 Blank			9					
LL <	11			-					
TIC unknown	312 (2.08			1420 (2.08)					

All results were qualified using the criteria stated below except those circled.

Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 46620A/2

VALIDATION FINDINGS WORKSHEET
Blanks

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
Y N N/A Was a method blank associated with every sample in this SDG?
Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?
Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 10/31/19
Conc. units: ug/kg Associated Samples: 8 (ND)

Compound	Blank ID	Sample Identification								
	WG130372-5Blank									
LL	0.22									

Blank analysis date:
Conc. units: Associated Samples:

Compound	Blank ID	Sample Identification								

All results were qualified using the criteria stated below except those circled.

Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 16620A1a

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
All available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.

(Y) N N/A Was the overall quality and usability of the data acceptable?

#	Sample ID	Compound	Finding	Qualifications
	4	S	x'd cal Range	NR
	9	all except S	diluted	NR

Comments: _____

OVR.wpd

LDC #: 46620A1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 40 ug/L std)	Recalculated (RRF 40ug/L std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL VOA111	10/12/2019	S	0.227	0.227	0.272	0.272	17.08	17.08
			CC	0.749	0.749	0.839	0.839	14.72	14.72
			BB	0.560	0.560	0.662	0.662	19.67	19.67

LDC #: 46620A1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA Method 8260C)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	ccv	10/31/19	S (1st internal standard)	0.272	0.275	0.275	1.1	1.1
		0659	CC (2nd internal standard)	0.839	0.768	0.768	8.5	8.5
			BB (3rd internal standard)	0.662	0.543	0.543	18	18
			(4th internal standard)					
2	ccv	10/31/19	S (1st internal standard)	0.272	0.260	0.260	4.4	4.4
		1855	CC (2nd internal standard)	0.839	0.748	0.748	10.8	10.8
			BB (3rd internal standard)	0.662	0.539	0.539	18.6	18.6
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
5			(1st internal standard)					
			(2nd internal standard					
			(3rd internal standard)					
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46620A1a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer: G

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	20.0	19.967	100	100	0
1,2-Dichloroethane-d4	↓	19.083	95	95	↓
Toluene-d8		18.903	95	95	
Bromofluorobenzene	↓	20.784	104	104	↓

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 46620A1a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: WG1302937-3/4

Compound	Spike Added (ug/Kg)		Spiked Sample Concentration (ug/Kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	40	40	45 (44.798)	45 (44.650)	112	112	112	112	0	0
Trichloroethene			40 (40.388)	40 (40.207)	101	101	100	100	1	1
Benzene			39 (39.149)	39 (39.134)	98	98	98	98	0	0
Toluene			37 (36.691)	37 (36.754)	92	92	92	92	0	0
Chlorobenzene			40 (39.741)	41 (40.503)	99	99	101	101	2	2

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46620A/a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #2 , 5 :

Conc. = $\frac{(169696)(200)(5)}{(201492)(0.272)(5.58)(0.885)}$

= 62.6 ug/kg

5.6g %S = 89

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Qualification
	#2	5	63	62.6	

LDC #: 46620A2a
SDG #: L1951248
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 12/18/19
Page: 1 of 1
Reviewer: EJ
2nd Reviewer:

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A A	%RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	
IX.	Laboratory control samples	SW	LCS ID
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Results ≥ RL > MDL = J det
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	B-19 (4'-5')	L1951248-01	Soil	10/30/19
2	B-19 (5.5'-6.5')	L1951248-02	Soil	10/30/19
3	B-12 (3'-4')	L1951248-03	Soil	10/30/19
4	B-12 (8'-9')	L1951248-04	Soil	10/30/19
5	B-18 (2'-3')	L1951248-05	Soil	10/30/19
6	B-17 (1.5'-2.5')	L1951248-06	Soil	10/30/19
7	WC-B2 (0'-5') COMP	L1951248-07	Soil	10/30/19
8	WC-B2 (5'-10') COMP	L1951248-09	Soil	10/30/19
9				
10				

Notes:

1	WG1302765-1	Blank	10/31				
2	WG1303105-1	Blank					

LDC #: 46620A2a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: Semivolatiles (EPA SW 846 Method 8270D)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any percent recoveries (%R) was less than 10%, was a reanalysis performed to confirm %R ?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	CC. Dimethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	GGGG. C30-Hopane	I1. Methyl methanesulfonate
B. Bis (2-chloroethyl) ether	DD. Acenaphthylene	FFF. Di-n-octylphthalate	HHHH. 1-Methylphenanthrene	J1. Ethyl methanesulfonate
C. 2-Chlorophenol	EE. 2,6-Dinitrotoluene	GGG. Benzo(b)fluoranthene	IIII. 1,4-Dioxane	K1. o,o',o''-Triethylphosphorothioate
D. 1,3-Dichlorobenzene	FF. 3-Nitroaniline	HHH. Benzo(k)fluoranthene	JJJJ. Acetophenone	L1. n-Phenylene diamine
E. 1,4-Dichlorobenzene	GG. Acenaphthene	III. Benzo(a)pyrene	KKKK. Atrazine	M1. 1,4-Naphthoquinone
F. 1,2-Dichlorobenzene	HH. 2,4-Dinitrophenol	JJJ. Indeno(1,2,3-cd)pyrene	LLLL. Benzaldehyde	N1. N-Nitro-o-toluidine
G. 2-Methylphenol	II. 4-Nitrophenol	KKK. Dibenz(a,h)anthracene	MMMM. Caprolactam	O1. 1,3,5-Trinitrobenzene
H. 2,2'-Oxybis(1-chloropropane)	JJ. Dibenzofuran	LLL. Benzo(g,h,i)perylene	NNNN. 2,6-Dichlorophenol	P1. Pentachlorobenzene
I. 4-Methylphenol	KK. 2,4-Dinitrotoluene	MMM. Bis(2-Chloroisopropyl)ether	OOOO. 1,2-Diphenylhydrazine	Q1. 4-Aminobiphenyl
J. N-Nitroso-di-n-propylamine	LL. Diethylphthalate	NNN. Aniline	PPPP. 3-Methylphenol	R1. 2-Naphthylamine
K. Hexachloroethane	MM. 4-Chlorophenyl-phenyl ether	OOO. N-Nitrosodimethylamine	QQQQ. 3&4-Methylphenol	S1. Triphenylene
L. Nitrobenzene	NN. Fluorene	PPP. Benzoic Acid	RRRR. 4-Dimethyldibenzothiophene (4MDT)	T1. Octachlorostyrene
M. Isophorone	OO. 4-Nitroaniline	QQQ. Benzyl alcohol	SSSS. 2/3-Dimethyldibenzothiophene (4MDT)	U1. Famphur
N. 2-Nitrophenol	PP. 4,6-Dinitro-2-methylphenol	RRR. Pyridine	TTTT. 1-Methyldibenzothiophene (1MDT)	V1. 1,4-phenylenediamine
O. 2,4-Dimethylphenol	QQ. N-Nitrosodiphenylamine	SSS. Benzidine	UUUU.. 2,3,4,6-Tetrachlorophenol	W1. Methapyrilene
P. Bis(2-chloroethoxy)methane	RR. 4-Bromophenyl-phenylether	TTT. 1-Methylnaphthalene	VVVV. 1,2,4,5-Tetrachlorobenzene	X1. Pentachloroethane
Q. 2,4-Dichlorophenol	SS. Hexachlorobenzene	UUU.Benzo(b)thiophene	WWWW.. 2-Picoline	Y1. 3,3'-Dimethylbenzidine
R. 1,2,4-Trichlorobenzene	TT. Pentachlorophenol	VVV.Benzonaphthothiophene	XXXX. 3-Methylcholanthrene	Z1. o-Toluidine
S. Naphthalene	UU. Phenanthrene	WWW.Benzo(e)pyrene	YYYY. a,a-Dimethylphenethylamine	A2. 1-Naphthylamine
T. 4-Chloroaniline	VV. Anthracene	XXX. 2,6-Dimethylnaphthalene	ZZZZ. Hexachloropropene	B2. 4-Aminobiphenyl
U. Hexachlorobutadiene	WW. Carbazole	YYY. 2,3,5-Trimethylnaphthalene	A1. N-Nitrosodiethylamine	C2. 4-Nitroquinoline-1-oxide
V. 4-Chloro-3-methylphenol	XX. Di-n-butylphthalate	ZZZ. Perylene	B1. N-Nitrosodi-n-butylamine	D2. Hexachloropene
W. 2-Methylnaphthalene	YY. Fluoranthene	AAAA. Dibenzothiophene	C1. N-Nitrosomethylethylamine	E2. Bis (2-chloro-1-methylethyl) ether
X. Hexachlorocyclopentadiene	ZZ. Pyrene	BBBB. Benzo(a)fluoranthene	D1. N-Nitrosomorpholine	F2. Bifenthrin
Y. 2,4,6-Trichlorophenol	AAA. Butylbenzylphthalate	CCCC. Benzo(b)fluorene	E1. N-Nitrosopyrrolidine	G2.Cyfluthrin
Z. 2,4,5-Trichlorophenol	BBB. 3,3'-Dichlorobenzidine	DDDD. cis/trans-Decalin	F1. Phenacetin	H2.Cypermethrin
AA. 2-Chloronaphthalene	CCC. Benzo(a)anthracene	EEEE. Biphenyl	G1. 2-Acetylaminofluorene	I2.Permethrin (cis/trans)
BB. 2-Nitroaniline	DDD. Chrysene	FFFF. Retene	H1. Pronamide	J2. 5-Nitro-o-toluidine

LDC #: 46620A2q

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours of sample analysis for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: <20.0%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
	10/31/19 1114	CCV - Juliet	MMM	27.9		6, 7, WG1302765-1Blank	J/UJ/A (ND)
	11/01/19 1946	CCV - Juliet	MMM	34.5		8, WG1303105-1Blank	J/UJ/A (ND)
	10/31/19 1103	CCV - Buffy	MMM	22.8		1→5	J/UJ/A ND
			X	22.7		↓	↓
			HH	22			

LDC #: 46620A2a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS/LCSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	~~WG130276S-~~		( )	( )	( )		
			( )	( )	( )		
	WG130310S-2/3 LCS ID	PPP	0 (10-110)	0 (10-110)	( )	8, WG130310S-1 Blank	J/R/P (ND)
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC #: 46620A2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	10//6/19	A	1.790	1.790	1.784	1.784	3.73	3.73
	Buffy		S	1.090	1.090	1.088	1.088	4.92	4.92
	ABN		GG	1.199	1.199	1.220	1.220	5.29	5.29
			UU	1.159	1.159	1.169	1.169	4.94	4.94
			EEE	1.015	1.015	0.949	0.949	10.73	10.73
			LLL	1.169	1.169	1.159	1.159	4.66	4.66

LDC #: 16620A2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	10/6/2019	1,4 Dioxane	0.520	0.520	0.520	0.520	4.13	4.13
	Juliet	ADP							

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	10/6/2019	Biphenyl	0.885	0.885	0.873	0.873	4.74	4.74
	Juliet	AP9							

LDC #: 46620A2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: C

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/21/2019	A	1.640	1.640	1.663	1.663	5.49	5.49
	Juliet		S	1.061	1.061	1.042	1.042	5.61	5.61
	ABN		GG	1.193	1.193	1.189	1.189	5.21	5.21
			UU	1.190	1.190	1.184	1.184	7.44	7.44
			EEE	1.072	1.072	1.000	1.000	8.75	8.75
			LLL	1.162	1.162	1.141	1.141	5.06	5.06

LDC #: 16620A2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/21/2019	1,4 Dioxane	0.622	0.622	0.573	0.573	7.95	7.95
	Juliet	ADP							

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/21/2019	Biphenyl	0.819	0.819	0.784	0.784	3.78	3.78
	Juliet	AP9							

LDC #: 46620A2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV Buffy ABN	10/6/19	Δ (1st IS)	1.784	1.626	1.626	8.9	8.9
			S (2nd IS)	1.088	1.029	1.029	5.4	5.4
			GG (3rd IS)	1.220	1.146	1.146	6.1	6.1
			MM (4th IS)	1.169	1.128	1.128	3.5	3.5
			EEE (5th IS)	0.949	0.944	0.944	0.5	0.5
			LLL (6th IS)	1.159	1.177	1.177	1.6	1.6
2	CCV Buffy ADP	~~10/31/19~~ 10/31/19 1040	1,4-Dioxane (1st IS)	0.520	0.490	0.490	5.8	5.8
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
3	CCV Buffy APP	10/31/19 1017	Biphenyl (1st IS)	0.873	0.922	0.922	5.6	5.6
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46620A2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = $(A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	ccv-Juliet	11/1/19 1946	Δ (1st IS)	1.663	1.562	1.562	6.1	6.1
			S (2nd IS)	1.042	1.014	1.014	2.7	2.7
			GG (3rd IS)	1.189	1.166	1.166	1.9	1.9
			UU (4th IS)	1.184	1.157	1.157	2.3	2.3
			EEE (5th IS)	1.000	1.047	1.047	4.7	4.7
			LLL (6th IS)	1.141	1.197	1.197	4.9	4.9
2	ccv-Juliet	11/1/19 2039	1,4-Dioxane (1st IS)	0.573	0.475	0.475	17.1	17.1
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
3	ccv-Juliet	11/1/19 2013	Biphenyl (1st IS)	0.784	0.803	0.803	2.4	2.4
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46620A2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	ccv-Juliet ABN	10/31/19 1114	A (1st IS)	1.663	1.687	1.687	1.4	1.4
			S (2nd IS)	1.042	1.018	1.018	2.3	2.3
			GG (3rd IS)	1.189	1.171	1.171	1.5	1.5
			HH (4th IS)	1.184	1.137	1.137	4	4
			EEE (5th IS)	1.000	1.084	1.084	8.4	8.4
			LLL (6th IS)	1.141	1.213	1.213	6.3	6.3
2	ccv-Juliet ADP	10/31/19 1207	1,4-Dioxane (1st IS)	0.573	0.481	0.481	16.1	16.1
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
3	ccv-Juliet APG	10/31/19 1140	Biphenyl (1st IS)	0.784	0.881	0.881	12.4	12.4
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46620A2a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	25.0	13.094	52	52	0
2-Fluorobiphenyl	↓	14.913	60	60	↓
Terphenyl-d14	↓	14.008	56	56	↓
Phenol-d5	50.0	37.912	76	76	↓
2-Fluorophenol	↓	36.544	73	73	↓
2,4,6-Tribromophenol	↓	39.573	79	79	↓
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 46620A2a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: WG1302765-2/3 Lab ID

Compound	Spike Added (ug/Kg)		Spike Concentration (ug/Kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol	1300 (1309)	1300	1100 (1145)	1100 (1096)	~~88~~	88	~~84~~	84	5	4
N-Nitroso-di-n-propylamine	↓	↓	1100 (1081)	1000 (1012)	83	83	78	78	6	7
4-Chloro-3-methylphenol			1300 (1267)	1200 (1209)	97	97	93	93	4	5
Acenaphthene			1100 (1073)	1100 (1064)	82	82	82	82	0	1
Pentachlorophenol	1300	1300	850 (851)	840 (844)	65	65	65	65	0	1
Pyrene	↓	↓	1000 (1046) ~~1100~~	1000 (1024) ~~1100~~	~~80~~ ~~88~~	80	~~78~~ ~~84~~	78	~~5~~ 3	2

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results. 1/30.60
1/30.67

LDC #: 46620A2a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #5, YY:

Conc. = $\frac{(62259)(40)(1)(1000)}{(606965)(1.294)(30.59)(0.90)}$

= 115.17 ng/kg

1/30.59 %S = 90%

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Qualification
	#5	YY	120	115.17	

LDC #: 46620A3a
SDG #: L1951248
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 12/18/19
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC Chlorinated Pesticides (EPA SW846 Method 8081B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC Instrument Performance Check	A	
III.	Initial calibration/ICV	A / A	%D RSD / ICV ≤ 20
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes 1/7	A	
VIII.	Matrix spike/Matrix spike duplicates	N	CS
IX.	Laboratory control samples	A	LCS/D
X.	Field duplicates	N	
XI.	Compound quantitation/RL/LOQ/LODs	A	ND Results < RL > MDL
XII.	Target compound identification	A	
XIII.	System Performance	A	
XIV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	B-19 (4'-5')	L1951248-01	Soil	10/30/19
2	B-19 (5.5'-6.5')	L1951248-02	Soil	10/30/19
3	B-12 (3'-4')	L1951248-03	Soil	10/30/19
4	B-12 (8'-9')	L1951248-04	Soil	10/30/19
5	B-18 (2'-3')	L1951248-05	Soil	10/30/19
6	B-17 (1.5'-2.5')	L1951248-06	Soil	10/30/19
7	WC-B2 (0'-5') COMP	L1951248-07	Soil	10/30/19
8	WC-B2 (5'-10') COMP	L1951248-09	Soil	10/30/19
9				
10				
11				

Notes:

	WG1302782-1 Blank						

LDC #: 46620 A3a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: Pesticides (EPA SW 846 Method 8081)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/ECD Instrument performance check				
Was the instrument performance found to be acceptable?	✓			
Were Evaluation mix standards analyzed prior to the initial calibration and at beginning of each 12-hour shift?	✓			
Were endrin and 4,4'-DDT breakdowns ≤ 15% for individual breakdown in the Evaluation mix standards?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?			✓	
Were the RT windows properly established?	✓			
IIIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
IV. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
VI. Field blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes/Internal Standards				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	

Validation Area	Yes	No	NA	Findings/Comments
If any percent recovery (%R) was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
Were internal standard area counts within ± 50% of the average area calculated during calibration?	✓			
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions, dry weight factors, and clean-up activities applicable to level IV validation?	✓			
Were relative percent difference (RPD) of the results between two columns ≤ 40%?	✓			
XII. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPA SW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Arochlor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 46620A3a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: ✓ GC ___ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
What type of continuing calibration calculation was performed? ___%D or ___%R
Y N N/A Were continuing calibration standards analyzed at the required frequencies?
Y N N/A Did the continuing calibration standards meet the %D / %R validation criteria of ≤20.0% / 80-120%?
Level IV Only
Y N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Detector/ Column	Compound	%D (Limit ≤ 20.0)	RT (limit)	Associated Samples	Qualifications
	10/31/19 0729	CCV-15	CLP 2	P	24.9		1-5, 7, 8, WG1302782-1 Blank	J / UA ND

LDC #: 46620A3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: [signature]

METHOD: GC X HPLC _____

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 5.0ug/L	Recalculated 5.0 ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	8/6/2019	Gamma BHC CLP1	1.334	1.334	1.294	1.294	8.85	8.85
	PEST 20		4,4'DDT CLP1	0.991	0.991	0.994	0.994	6.61	6.61
			Gamma BHC CLP2	1.383	1.383	1.396	1.396	10.14	10.14
			4,4'-DDT CLP2	1.083	1.083	1.082	1.082	7.88	7.88

LDC #: 16620A3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC X HPLC

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 5.0ug/L	Recalculated 5.0 ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	9/20/2019	Gamma BHC CLP1	1.231	1.231	1.261	1.261	5.76	5.76
	PEST 15		4,4'DDT CLP1	0.962	0.962	0.978	0.978	4.00	4.00
			Gamma BHC CLP2	1.319	1.319	1.338	1.338	4.38	4.38
			4,4'-DDT CLP2	0.923	0.923	0.916	0.916	6.26	6.26

LDC #: 46620A3a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC Pesticides (EPA SW 846 Method 8081)

Percent difference (%D) = 100 * (N - C)/N

Where: N = Initial Calibration Factor or Nominal Amount (ng)
C = Calibration Factor from Continuing Calibration Standard or Calculated Amount (ng)

Standard ID	Calibration Date/Time	Compound	Average CF/ CCV Conc	Reported CF/Conc CCV	Recalculated CF/Conc CCV	Reported %D	Recalculated %D
CCV-20	10/31/19	gamma BHC	50.0	49.387	49.387	1.2	1.2
0741		4,4'-DDT		40.753	40.753	18.5	18.5
		↓ CVP2		48.342	48.342	3.3	3.3
				45.652	45.652	8.7	8.7
CCV-15	10/31/19			50.569	50.569	1.1	1.1
0729		↓		45.487	45.487	9	9
		↓		46.532	46.532	6.9	6.9
			↓	42.607	42.607	14.8	14.8

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46620A3a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: FT
2nd reviewer:

METHOD: GC Pesticides (EPA SW 846 Method 8081)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Tetrachloro-m-xylene	cup1	50.0	72 35.751	72	72	0
Tetrachloro-m-xylene	cup2	↓	66 33.213	66	66	↓
Decachlorobiphenyl	cup1	↓	65 32.561	65	65	↓
Decachlorobiphenyl	cup2	↓	71 35.673	71	71	↓

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Notes:

LDC #: 46620A3a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicate Results Verification

Page: 1 of 1
Reviewer: EZ
2nd Reviewer:

METHOD: GC Pesticides (EPA SW 846 Method 8081A)

The percent recoveries (%R) and Relative Percent difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100* (SSC-SC)/SA

Where: SSC = Spiked sample concentration
SA = Spike added
SC = Concentration

RPD = I LCS - LCSD I * 2/(LCS + LCSD)

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: WG1302782-2/3

Compound	Spike Added (ug/kg)		Spiked Sample Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
gamma-BHC	32	32.8	~~32.2~~ 32.3	~~33.8~~ ~~29.2~~	101	101	89	89	13	10
4,4'-DDT	↓	↓	33.6	~~33.8~~ 30.2	105	105	92	92	13	11

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results. 10/15.61

10/15.23

LDC #: 46620A3a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: F7
2nd reviewer: [illegible]

METHOD: GC Pesticides (EPA SW 846 Method 8081A)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. WG1302782-2 (lcs) 4,4' DDT

Conc. = $\frac{134.9 \times 10^6 \ (25.0) \ (10)}{65724466 \ (0.978) \ (15.61)}$

=

33.61

#	Sample ID	Compound	Reported Concentration (ug/Kg)	Calculated Concentration (ug/Kg)	Qualification
	LCS	4,4'-DDT	33.6	33.61	

LDC #: 46620A3b
SDG #: L1951248
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 12/18/19
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	A / A	%D RSD/ICV ≤20
III.	Continuing calibration	A	CCV ≤20
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes 1/3	A	
VII.	Matrix spike/Matrix spike duplicates	N	0/3
VIII.	Laboratory control samples	A	LCS ID
IX.	Field duplicates	N	
X.	Compound quantitation/RL/LOQ/LODs	A	No Results < RL > MDL
XI.	Target compound identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	B-19 (4'-5')	L1951248-01	Soil	10/30/19
2	B-19 (5.5'-6.5')	L1951248-02	Soil	10/30/19
3	B-12 (3'-4')	L1951248-03	Soil	10/30/19
4	B-12 (8'-9')	L1951248-04	Soil	10/30/19
5	B-18 (2'-3')	L1951248-05	Soil	10/30/19
6	B-17 (1.5'-2.5')	L1951248-06	Soil	10/30/19
7	WC-B2 (0'-5') COMP	L1951248-07	Soil	10/30/19
8	WC-B2 (5'-10') COMP	L1951248-09	Soil	10/30/19
9				
10				
11				
12				
13				

Notes:

-	WG1302705-1 Blank						

LDC #: 46620A36

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: ✓ GC ___ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
X. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

LDC #: 46620A36

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC __X_____ HPLC _____

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 1000ppb	Recalculated 1000ppb	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	4/9/2019	AR1260-1 CLP1	0.049	0.04927	0.050	0.050450	9.97	9.97
	ICAL15673								
			AR1260-1 CLP2	0.048	0.048	0.049	0.048770	5.96	5.96

LDC #: 46620A3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(ICAL)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV 0201	10/31/19	1260-1 CVP1	2500	2477.023	2477.023	0.9	0.9
			1260-1 CVP2	↓	2856.361	2856.361	14.3	14.3
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46620A3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer:

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
TCMX	CLP1	500	393.701	79	79	0
↓	CLP2	↓	390.241	78	78	↓
DCB	CLP1	↓	350.461	70	70	↓
↓	CLP2	↓	377.266	75	75	↓

Sample ID: ___

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C`	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 46620A3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: ✓ GC ___HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration; SA = Spike added; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: WG1302705-2/3 LCS ID

Compound	Spike Added (ug/kg)		Spike Sample Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)										
Diesel (8015)										
Benzene (8021B)										
Methane (RSK-175)										
2,4-D (8151)										
Dinoseb (8151)										
Naphthalene (8310)										
Anthracene (8310)										
HMX (8330)										
2,4,6-Trinitrotoluene (8330)										
Phorate (8141A)										
Malathion (8141A)										
Formaldehyde (8315A)										
Aroclor 1260	199	204	177	188	89	89	92	92	3	3

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46620A3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: B
2nd reviewer:

METHOD: GC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #6, Aroclor 1260

Conc. = $\frac{1621.7632\ (5)(1)}{(15.99)(5)(0.91)}$

= 111.45 ug/kg

5/15.99

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration ( )	Qualification
	#6	Aroclor 1260	111		
	1260-1 =	$\frac{422.4 \times 10^6\ (250)}{1423.7 \times 10^6\ (0.04870)}$	= 1523		
		1260-1 = 1523.0			
		2 = 1573.355			
		3 = 1673.151			
		4 = 1611.498			
		5 = 1727.812			
		Ave = 1621.7632			

LDC #: 46620A96 **VALIDATION COMPLETENESS WORKSHEET** Date: 12/18/19
SDG #: L1951248 Category B Page: 1 of 1
Laboratory: Alpha Analytical, Inc. Reviewer: FT
2nd Reviewer:

METHOD: LC/MS Perfluoroalkyl & Polyfluoroalkyl Substances (EPA Method 537M)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	LC/MS Instrument performance check	A	
III.	Initial calibration/~~ICV~~	SW / N	r^2 individual ≤ 30
IV.	Continuing calibration/ISC	A	% ccv ≤ 30
V.	Laboratory Blanks	SW	
VI.	Field blanks	N	
VII.	Matrix spike/Matrix spike duplicates	N	us
VIII.	Laboratory control samples	SW	LCS/D
IX.	Field duplicates	N	
X.	Labeled Compounds	SW	
VI.	Compound quantitation RL/LOQ/LODs	A	
XII.	Target compound identification	A	
XIII.	System performance	A	
XIV.	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
SW = See worksheet FB = Field blank EB = Equipment blank

	Client ID	Lab ID	Matrix	Date
1	B-19 (4'-5')	L1951248-01	Soil	10/30/19
2	B-19 (5.5'-6.5')	L1951248-02	Soil	10/30/19
3	B-12 (3'-4')	L1951248-03	Soil	10/30/19
4	B-12 (8'-9')	L1951248-04	Soil	10/30/19
5	B-18 (2'-3')	L1951248-05	Soil	10/30/19
6	B-17 (1.5'-2.5')	L1951248-06	Soil	10/30/19
7				
8				
9				
10				

Notes:

	WG1302870-1 Blank						

LDC #: 16620A96

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: [illegible]
2nd Reviewer: [illegible]

Method: LCMS (EPA Method 537M)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. LC/MS Instrument performance check				
Were the instrument performance reviewed and found to be within the validation criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?			✓	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit criteria of ≥ 0.990?	✓			
Were all analytes within 70-130% or percent differences (%D) ≤30% of their true value for each calibration standard except the lowest point (50-150%)?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?			✓	
Were all percent differences (%D) ≤ 30%?			✓	
IV. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) of the continuing calibration ≤ 30%?	✓			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?	✓			
VI. Field blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzedin this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch in this SDG?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		

LDC #: 46620A96

VALIDATION FINDINGS CHECKLIST

Reviewer: [illegible]
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?.			✓	
XI. Labeled Compounds				
Were labeled compound percent recoveries (%R) within the QC limits?		✓		
XII. Compound quantitation				
Did the laboratory reporting limits (RL) meet the QAPP RLs?	✓			
Did reported results include both branched and linear isomers?	✓			
Were the correct ion transition, labeled compound and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Was m/z 499 to m/z 80 transition used as the quantitation transition for PFOS?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Perfluorinated Alkyl Acids (EPA Method 537M)

Analyte	Acronym	CAS RN
A. Perfluorobutanoic acid	PFBA	375-22-4
B. Perfluorobutanesulfonic acid	PFBS	375-73-5
C. Perfluorodecanoic acid	PFDA	335-76-2
D. Perfluorodecanesulfonic acid	PFDS	335-77-3
E. Perfluorododecanoic acid	PFDoA	307-55-1
F. Perfluoroheptanoic acid	PFHpA	375-85-9
G. Perfluoroheptanesulfonic acid	PFHpS	375-92-8
H. Perfluorohexanoic acid	PFHxA	307-24-4
I. Perfluorohexanesulfonic acid	PFHxS	355-46-4
J. Perfluorononanoic acid	PFNA	375-95-1
K. Perfluorooctanoic acid	PFOA	335-67-1
L. Perfluorooctanesulfonic acid	PFOS	1763-23-1
M. Perfluoropentanoic acid	PFPeA	2706-90-3
N. Perfluorotetradecanoic acid	PFTA	376-06-7
O. Perfluorotridecanoic acid	PFTrDA	72629-94-8
P. Perfluoroundecanoic acid	PFUnA	2058-94-8
Q. Perfluorooctanesulfonamide	FOSA	754-91-6
R. N-Methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9
S. N-Ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6
T. 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2FTS)	6:2FTS	27619-97-2
U. 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2FTS)	8:2 FTS	39108-34-4

LDC #: 46620A96

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Reviewer: PT
2nd Reviewer:

METHOD: LCMS PFCs

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?
(Y) N N/A Did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?
(Y) N N/A Were all percent relative standard deviations (%RSD) ≤ 20%?
Y (N) N/A Were all analytes within 70-130% or percent differences (%D) ≤30% of their true value for each calibration standard except the lowest point (50-150%)?

#	Date	Standard ID	Compound	Finding %RSD/r^2	Finding %D	Associated Samples	Qualifications
	10/18/19	ICAL - 0.5 STD	br - I		69.2 (≤ 50%)	WG1302870-1BLK	J/UJ/A P
		- 1.0 STD	D		34.5 (≤ 30%)	↓	↓
		- 500.0 STD	B		45.4 (≤ 30%)		
	11/18/19	ICAL - 0.5 STD	br - I		82.2 (≤ 50%)	All - MB	J/UJ/P qual I (ND+Det)
		- 1.0 STD	br - I		46.5 (≤ 30%)	↓	↓ qual I
		- 1.0 STD	br - L		33.7 (≤ 30%)		qual L
		- 500 STD	O		46.2 (≤ 30%)		qual O

Privileged and Confidential

LDC #: Y6620A96

VALIDATION FINDINGS WORKSHEET
Blanks

Page: 1 of 1
Reviewer: EZ
2nd Reviewer: O

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all samples associated with a given method blank?
Y N N/A Was a method blank performed for each matrix and whenever a sample extraction procedure was performed?
Y N N/A Was a method blank performed with each extraction batch?
Y N N/A Were any contaminants found in the method blanks? If yes, please see findings below.

Blank extraction date: 10/31/19 **Blank analysis date:** 11/6/19
Conc. units: ug/kg **Associated samples:** All (ND)

Compound	Blank ID	Sample Identification							
	WG1302870-1Blank								
A	0.103								

Blank extraction date: _____ **Blank analysis date:** _____ **Associated samples:** _____
Conc. units: _____

Compound	Blank ID	Sample Identification							

ALL CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC #: 46620A96

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: FR
2nd Reviewer:

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	WG1302870-2/3 LCS ID	U	( )	152 (65-137)	( )	All	Jdet J (ND)
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

Privileged and Confidential

LDC #: 46620A96

VALIDATION FINDINGS WORKSHEET
Labeled Compounds

Reviewer: EJ
2nd Reviewer: C

METHOD: LC/MS PFAS (EPA Method 537M)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
Y/N/N/A Were all labeled compound recoveries within the QC criteria?

#	Date	Lab ID/Reference	Labeled Compound	% Recovery	(Limit)	Qualifications
		6	M-A	41	(60-153)	J/UJ/P ND+Det
			M5-M	43	(65-182)	
			M5-H	~~48~~ 38	(61-147)	
			M4-F	48	(62-149)	
			M8-K	60	(63-166)	
			D3-R	24	(45-137)	
			D5-S	26	(42-136)	
					( )	
					( )	
		1	M2-T	279	(32-182)	J/UJ/P ND
			MP-E	163	(56-148)	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	

LDC#: 46620A96

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: LC/MS PFCs (EPA Method 537Mod)

Calibration Date	Instrument	Compound	Standard	(Y) Area ratio	(X) Conc ratio	CF
10/18/2019	LCMS02	L-PFOA	0.50	0.04660	0.050	0.932
			1.0	0.09720	0.100	0.972
			10.0	0.91038	1.000	0.910
			50.0	4.61000	5.000	0.922
			125.0	10.77500	12.500	0.862
			150.0	14.23500	15.000	0.949
			250.0	23.97500	25.000	0.959
			500.0	48.80000	50.000	0.976
					Ave	0.929

Regression Output	*Calculated*	*Reported*
Constant	*0.000000*	*0.000000*
Std Err of Y Est		
R Squared	*0.998687*	*0.998569*
Degrees of Freedom		
X Coefficient(s)	*0.94974398*	*0.952070*
Std Err of Coef.		
Correlation Coefficient	*0.999343*	
Coefficient of Determination (r^2)	*0.998687*	*0.998569*

LDC#: 16620A96

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: LC/MS PFCs (EPA Method 537Mod)

Calibration Date	Instrument	Compound	Standard	(Y) Area ratio	(X) Conc ratio	CF
10/18/2019	LCMS02	L-PFOS	0.365	0.02712	0.037	0.743
			0.730	0.07023	0.073	0.962
			7.300	0.69766	0.730	0.956
			36.500	3.58381	3.650	0.982
			91.300	8.09920	9.130	0.887
			109.500	11.01346	10.950	1.006
			182.500	19.71185	18.250	1.080
			365.172	39.84000	36.517	1.091
					Ave	0.945

Regression Output	*Calculated*	*Reported*
Constant	*0.000000*	*0.000000*
Std Err of Y Est		
R Squared	*0.995516*	*0.995727*
Degrees of Freedom		
X Coefficient(s)	*1.05324723*	*1.064840*
Std Err of Coef.		
Correlation Coefficient	*0.997756*	
Coefficient of Determination (r^2)	*0.995516*	*0.995727*

LDC#: 46620A96

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: LC/MS PFCs (EPA Method 537Mod)

Calibration Date	Instrument	Compound	Standard	(Y) Area ratio	(X) Conc ratio	CF
11/18/2019	LCMS02	L-PFOA	0.50	0.04590	0.050	0.918
			1.0	0.10260	0.100	1.026
			5.0	0.51700	0.500	1.034
			10.0	0.96000	1.000	0.960
			50.0	4.60000	5.000	0.920
			125.0	11.23750	12.500	0.899
			150.0	14.08500	15.000	0.939
			250.0	24.10000	25.000	0.964
			500.0	44.60000	50.000	0.892
					Ave	0.958

Regression Output	*Calculated*	*Reported*
Constant	*0.000000*	*0.000000*
Std Err of Y Est		
R Squared	*0.999380*	*0.998806*
Degrees of Freedom		
X Coefficient(s)	*0.95271153*	*0.918228*
Std Err of Coef.		
Correlation Coefficient	*0.999690*	
Coefficient of Determination (r^2)	*0.999380*	*0.998806*

LDC#: 46620A96

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: LC/MS PFCs (EPA Method 537Mod)

Calibration Date	Instrument	Compound	Standard	(Y) Area ratio	(X) Conc ratio	CF
10/18/2019	LCMS02	L-PFOS	0.365	0.02672	0.037	0.732
			0.730	0.07753	0.073	1.062
			3.650	0.39968	0.365	1.095
			7.300	0.74752	0.730	1.024
			36.500	3.62080	3.650	0.992
			91.300	8.50916	9.130	0.932
			109.500	11.21280	10.950	1.024
			182.500	19.38150	18.250	1.062
			365.172	34.21660	36.517	0.937
					Ave	0.990

Regression Output	*Calculated*	*Reported*
Constant	*0.000000*	*0.000000*
Std Err of Y Est		
R Squared	*0.998021*	*0.996780*
Degrees of Freedom		
X Coefficient(s)	*1.04258187*	*0.981390*
Std Err of Coef.		
Correlation Coefficient	*0.999010*	
Coefficient of Determination (r^2)	*0.998021*	*0.996780*

LDC #: 46620A96

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT
2nd Reviewer:

METHOD: LCMS PFAS (EPA Method 537M)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = $(A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Actual Amount	Reported Amount (CC)	Recalculated Amount (CC)	Reported %R	Recalculated %R
1	@1617 WG130532-1 CCV (LOW)	11/6/19	PFOA (M8PFOA)	0.500	0.452	0.452	90.4	90.4
			L-PFOS (M8PFOS)	0.370	0.243	0.243	66.5	66.5
2	@1853 WG131250-2 CCV (MED)	11/22/19	PFOA (M8PFOA)	10.0	10.164	10.164	101.6	101.6
			L-PFOS (M8PFOS)	7.30	6.847	6.847	93.8	93.8
3			PFOA (M8PFOA)					
			L-PFOS (M8PFOS)					

Comments: Refer to Routine Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46620A96

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: LC/MS PFAS (EPA Method 537M)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: WG1302870-2/3 LCS ID

Compound	Spike Added (ng/Kg)		Spike Concentration (ng/Kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
PFOA	5	5	4.82	4.85	96	96	97	97	1	1
PFOS	4.63	4.63	4.46	3.92	96	96	84	84	13	13

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

Privileged and Confidential

LDC #: 46620A96

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: PT
2nd reviewer:

METHOD: LC/MS PFAS (EPA Method 537M)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #1, PFOS

Conc. = $\frac{34.869\ (2)}{(4.09)\ (0.78)}$

= 21.8 ug/kg

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration (ng/kg)	Qualification
	#1	PFOS	21.8	21.8	
	L PFOS =	$\frac{[15250\ (10)]}{7614}$ = [0.98139] =	20.409		
	Br PFOS =	=	14.46		
			Total = 34.869		

Privileged and Confidential

Site: 33 Centre Avenue
Laboratory: Alpha Analytical, Inc.
Report No.: L1951248
Reviewer: An Le and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date: December 18, 2019

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
B-19 (4'-5')	L1951248-01	Metals, Total Cyanide
B-19 (5.5'-6.5')	L1951248-02	Metals, Total Cyanide
B-12 (3'-4')	L1951248-03	Metals, Total Cyanide
B-12 (8'-9')	L1951248-04	Metals, Total Cyanide
B-18 (2'-3')	L1951248-05	Metals, Total Cyanide
B-17 (1.5'-2.5')	L1951248-06	Metals, Total Cyanide
WC-B2 (0'-5') COMP	L1951248-07	Metals, Total Cyanide
WC-B2 (5'-10') COMP	L1951248-09	Metals, Total Cyanide
B-19 (4'-5')MS	L1951248-01MS	Metals
B-19 (4'-5')DUP	L1951248-01DUP	Metals

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed soil samples were collected on October 30, 2019 and were analyzed for metals by SW-846 methods 6010D/7471B and total cyanide by SW-846 methods 9010C/9012B. The data validation was performed in accordance with USEPA Region 2 *Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program,* SOP HW-3a/c, Revision 1 (September 2016) and the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review,* EPA 540-R-2017-001 (January 2017), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)
- Serial Dilution Results
- Moisture Content
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

Metals

Analytes that did not meet criteria are summarized in the following table.

Date	Calibration ID	Analyte	%R (Limits)	Associated Samples	Validation Action
10/31/19	CCV (12:52)	Calcium	111 (90-110)	B-19 (5.5'-6.5') B-12 (3'-4') B-12 (8'-9') B-18 (2'-3') B-17 (1.5'-2.5')	J detects

Date	Calibration ID	Analyte	%R (Limits)	Associated Samples	Validation Action
10/31/19	CCV (16:19)	Aluminum	112 (90-110)	WC-B2 (0'-5') COMP WC-B2 (5'-10') COMP	J detects

The calcium and aluminum results may be biased high due to high calibration percent recoveries. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

CRQL Standard Recoveries

Metals

All criteria were met.

Blank Results

Metals

Analytes were detected below the reporting limits in the laboratory blank samples. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Iron Manganese Sodium	0.444 mg/Kg 0.108 mg/Kg 2.41 mg/Kg	RL RL RL	B-19 (4'-5') B-19 (5.5'-6.5') B-12 (3'-4') B-12 (8'-9') B-18 (2'-3') B-17 (1.5'-2.5') WC-B2 (0'-5') COMP WC-B2 (5'-10') COMP
ICB/CCB	Antimony Nickel	0.0085 mg/L 0.003 mg/L	RL RL	B-19 (4'-5') B-19 (5.5'-6.5') B-12 (3'-4') B-12 (8'-9') B-18 (2'-3') B-17 (1.5'-2.5') WC-B2 (0'-5') COMP WC-B2 (5'-10') COMP
ICB/CCB	Chromium Iron Sodium	0.0062 mg/L 0.0202 mg/L 0.0564 mg/L	RL RL RL	WC-B2 (0'-5') COMP WC-B2 (5'-10') COMP
ICB/CCB	Chromium Iron	0.0069 mg/L 0.0255 mg/L	RL RL	B-19 (4'-5')
ICB/CCB	Chromium Iron	0.0065 mg/L 0.0266 mg/L	RL RL	B-19 (5.5'-6.5') B-12 (3'-4') B-12 (8'-9') B-18 (2'-3') B-17 (1.5'-2.5')

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
ICB/CCB	Sodium	0.0320 mg/L	RL	B-19 (4'-5') B-19 (5.5'-6.5') B-12 (3'-4') B-12 (8'-9') B-18 (2'-3') B-17 (1.5'-2.5')

Blank Actions for analytes detected below the reporting limit(RL).
If the sample result is < RL, report the result as nondetect (U) at the RL.
If the sample result is > RL or nondetect, no action is required.
Blank Actions for analytes detected above the reporting limit or RL.
If the sample result is < RL and <action level; report the result as nondetect (U) at the RL.
If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.
If the sample result is > action level or nondetect, no action is required.

No samples were qualified since the associated sample results were greater than the action limit.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Total Cyanide

Contamination was not detected in the laboratory blank samples.

A field blank was not associated with this sample set. Validation action was not required on this basis.

ICP ICS Results

Metals

Analytes were within control limits in the ICSA and ISCAB analyses.

MS/MSD Results

Metals

MS analyses were performed on sample B-19 (4'-5') for metals analyses. The following table lists the MS percent recoveries (%R) outside of control limits in the metals analyses and the resulting validation actions.

MS ID	Analyte	MS %R (Limits)	Affected Sample	Validation Action
B-19 (4'-5')MS	Nickel	152 (75-125)	B-19 (4'-5') B-19 (5.5'-6.5') B-12 (3'-4') B-12 (8'-9') B-18 (2'-3') B-17 (1.5'-2.5') WC-B2 (0'-5') COMP WC-B2 (5'-10') COMP	J detects
B-19 (4'-5')MS	Sodium	4 (75-125)	B-19 (4'-5') B-19 (5.5'-6.5') B-12 (3'-4') B-12 (8'-9') B-18 (2'-3') B-17 (1.5'-2.5') WC-B2 (0'-5') COMP WC-B2 (5'-10') COMP	J detects
B-19 (4'-5')MS	Mercury	129 (80-120)	B-19 (4'-5') B-19 (5.5'-6.5') B-18 (2'-3') WC-B2 (0'-5') COMP	J detects
B-19 (4'-5')MS	Mercury	129 (80-120)	B-12 (3'-4') B-12 (8'-9') B-17 (1.5'-2.5') WC-B2 (5'-10') COMP	None

The nickel and mercury results may be biased high due to high MS percent recoveries. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

The sodium result may be biased low due to low MS percent recovery. The result can be used for project objectives as an estimated value (J) which may have a minor impact on the data usability.

For B-19 (4'-5')MS, although the percent recoveries were severely low for sodium, the associated sample results were qualified as estimated (J/UJ) since the post spike recoveries were within the QC limits for this analyte.

Validation action was not required for mercury due to high MS recovery as positive results only are affected and this analyte was not detected in the associated samples.

For B-19 (4'-5')MS, no data were qualified for aluminum, chromium, copper, iron, magnesium, and manganese percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

Total Cyanide

MS/MSD analyses were not associated with this sample set. Validation action was not required on this basis.

Laboratory Duplicate Results

Metals

Laboratory duplicates were performed on sample B-19 (4'-5') for metals analyses. The following table lists the duplicate relative percent differences (RPD) outside of control limits in the metals analyses and the resulting validation actions.

Dup ID	Analyte	RPD (Limits)	Affected Sample	Validation Action
B-19 (4'-5')DUP	Calcium	45 (≤20)	B-19 (4'-5')	J detects
	Chromium	28 (≤20)	B-19 (5.5'-6.5')	J detects
	Lead	39 (≤20)	B-12 (3'-4')	J detects
	Nickel	21 (≤20)	B-12 (8'-9')	J detects
	Sodium	54 (≤20)	B-18 (2'-3')	J detects
			B-17 (1.5'-2.5')	
			WC-B2 (0'-5') COMP	
			WC-B2 (5'-10') COMP	

The calcium, chromium, lead, nickel, and sodium results were estimated due to duplicate relative percent difference exceedance. The bias cannot be determined. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

Total Cyanide

Laboratory duplicates were not associated with this sample set. Validation action was not required on this basis.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

LCS Results

Metals

All criteria were met.

Total Cyanide

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the total cyanide analysis and the resulting validation actions.

LCS ID	Analyte	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
LCS/LCSD	Cyanide	58 (80-120)	75 (80-120)	B-19 (4'-5') B-19 (5.5'-6.5') B-12 (3'-4') B-12 (8'-9') B-18 (2'-3') B-17 (1.5'-2.5')	J detects
LCS/LCSD	Cyanide	64 (80-120)	67 (80-120)	WC-B2 (0'-5') COMP WC-B2 (5'-10') COMP	J detects

- Within control limits

The cyanide results may be biased low due to low LCS/LCSD percent recoveries. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

Serial Dilution Results

Metals

A serial dilution analysis was performed on sample B-19 (4'-5') for metals analyses. The following table lists the serial dilution percent differences (%D) outside of control limits in the metals analyses and the resulting validation actions.

Diluted Sample	Analyte	%D (Limits)	Associated Samples	Validation Actions
B-19 (4'-5')	Aluminum	15 (≤10)	B-19 (4'-5')	J detects
	Barium	14 (≤10)	B-19 (5.5'-6.5')	J detects
	Iron	12 (≤10)	B-12 (3'-4')	J detects
	Manganese	12 (≤10)	B-12 (8'-9')	J detects
	Nickel	18 (≤10)	B-18 (2'-3')	J detects
			B-17 (1.5'-2.5')	
			WC-B2 (0'-5') COMP	
			WC-B2 (5'-10') COMP	

The aluminum, barium, iron, manganese, and nickel results were estimated due to serial dilution percent difference exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

Moisture Content

All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the metals and total cyanide analyses. These results were estimated (J) by the laboratory.

Due to high target analyte levels or sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Metals

Sample	Metals Analyses Reported
B-19 (4'-5') B-19 (5.5'-6.5') B-12 (3'-4') B-12 (8'-9') B-18 (2'-3') B-17 (1.5'-2.5') WC-B2 (0'-5') COMP	2-fold dilution due to sample matrix for 6010D metals
WC-B2 (5'-10') COMP	2-fold dilution due to sample matrix for 6010D metals except arsenic 5-fold dilution due to sample matrix for arsenic

Total Cyanide

Sample	Total Cyanide Analysis Reported
B-17 (1.5'-2.5')	5-fold dilution due to high analyte level

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 46620A4b
SDG #: L1951248
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 12/13/19
Page: 1 of 1
Reviewer: ATL
2nd Reviewer:

METHOD: Metals (EPA SW 846 Method 6010D/7471B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	SW	
III.	ICP Interference Check Sample (ICS) Analysis	A	
IV.	Laboratory Blanks	SW	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	SW	9
VII.	Duplicate sample analysis	SW	10
VIII.	Serial Dilution	SW	
IX.	Laboratory control samples	A	LCS
X.	Field Duplicates	N	
XI.	Sample Result Verification	A	MDL < samples < RL : Jdet
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	B-19 (4'-5') (2X - sample matrix)	L1951248-01	Soil	10/30/19
2	B-19 (5.5'-6.5')	L1951248-02	Soil	10/30/19
3	B-12 (3'-4')	L1951248-03	Soil	10/30/19
4	B-12 (8'-9')	L1951248-04	Soil	10/30/19
5	B-18 (2'-3')	L1951248-05	Soil	10/30/19
6	B-17 (1.5'-2.5')	L1951248-06	Soil	10/30/19
7	WC-B2 (0'-5') COMP	L1951248-07	Soil	10/30/19
8	WC-B2 (5'-10') COMP (2X, 5X (As) - sample matrix)	L1951248-09	Soil	10/30/19
9	B-19 (4'-5')MS	L1951248-01MS	Soil	10/30/19
10	B-19 (4'-5')DUP	L1951248-01DUP	Soil	10/30/19
11				
12				
13				
14				
15				

Notes:

LDC #: 46620A4b

VALIDATION FINDINGS CHECKLIST

Reviewer: ATC
2nd Reviewer:

Method: Metals (EPA SW 846 Method 6010/6020/7000)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. ICP/MS Tune				
Were all isotopes in the tuning solution mass resolution within 0.1 amu?			✓	
Were %RSD of isotopes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial and continuing calibration verification %Rs within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low standard checks within 70-130%			✓	
Were all initial calibration correlation coefficients within limits as specified by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.	✓			
V. ICP Interference Check Sample				
Were ICP interference check samples performed daily?	✓			
Were the AB solution percent recoveries (%R) with the 80-120% QC limits?	✓			
VI. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water.	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.		✓		
Were the MS/MSD or duplicate relative percent differences (RPD) ≤ 20% for waters and ≤ 35% for soil samples? A control limit of +/- RL(+/-2X RL for soil) was used for samples that were ≤ 5X the RL, including when only one of the duplicate sample values were ≤ 5X the RL.		✓		
VII. Laboratory control samples				
Was an LCS anaylzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% QC limits for water samples and laboratory established QC limits for soils?	✓			

Validation Area	Yes	No	NA	Findings/Comments
VIII. Internal Standards (EPA SW 846 Method 6020/EPA 200.8)				
Were all the percent recoveries (%R) within the 30-120% (6020)/60-125% (200.8) of the intensity of the internal standard in the associated initial calibration?			✓	
If the %Rs were outside the criteria, was a reanalysis performed?			✓	
IX. ICP Serial Dilution				
Was an ICP serial dilution analyzed if analyte concentrations were > 50X the MDL (ICP)/>100X the MDL(ICP/MS)?	✓			
Were all percent differences (%Ds) < 10%?		✓		
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.		✓		
X. Sample Result Verification				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XII. Field duplicates				
Field duplicate pairs were identified in this SDG.		✓		
Target analytes were detected in the field duplicates.			✓	
XIII. Field blanks				
Field blanks were identified in this SDG.		✓		
Target analytes were detected in the field blanks.			✓	

LDC #: 46620A4b

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: ATV
2nd reviewer: O

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1->8	S	(Al) (Sb) (As) (Ba) (Be) (Cd) (Ca) (Cr) (Co) (Cu) (Fe) (Pb) (Mg) (Mn) (Hg) (Ni) (K) (Se) (Ag) (Na) (Tl) (V) (Zn) Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
QC		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
9,10	S	(Al) (Sb) (As) (Ba) (Be) (Cd) (Ca) (Cr) (Co) (Cu) (Fe) (Pb) (Mg) (Mn) (Hg) (Ni) (K) (Se) (Ag) (Na) (Tl) (V) (Zn) Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
Analysis Method		
ICP		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
ICP-MS		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
GFAA		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___

Comments: Mercury by CVAA if performed

LDC #: 46620A4b

VALIDATION FINDINGS WORKSHEET
Calibration

Reviewer: ATL
2nd Reviewer:

METHOD: Trace Metals (EPA SW 846 Method 6010/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were all instruments calibrated daily, each set-up time, and were the proper number of standards used?

Y (N) N/A Were all initial and continuing calibration verification percent recoveries (%R) within the control limits of 90-110% for all analytes except mercury (80-120%) and cyanide (85-115%)?

LEVEL IV ONLY:

Y N (N/A) Was a midrange cyanide standard distilled?

(Y) N N/A Are all correlation coefficients ≥0.995?

(Y) N N/A Were recalculated results acceptable? See Level IV Initial and Continuing Calibration Recalculation Worksheet for recalculations.

#	Date	Calibration ID	Analyte	%R	Associated Samples	Qualification of Data
	10/31/19	CCV (12:52)	Ca	111 (90-110)	2 to 6	J/UJ/P (all detect)
		CCV (16:19)	Al	112 (90-110)	7,8	J/UJ/P (all detect)

Comments:

LDC #: 46620A4b

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace metals (EPA SW 864 Method 6010B/6020/7000) Soil preparation factor applied: NA
Sample Concentration units, unless otherwise noted: mg/L Associated Samples: All

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Action Level
Fe	0.444			
Mn	0.108			
Na	2.41			
Sb			0.0085	
Ni			0.003	

Sample Concentration units, unless otherwise noted: mg/L Associated Samples: 7,8

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Action Level
Cr			0.0062	
Fe			0.0202	
Na			0.0564	

Sample Concentration units, unless otherwise noted: mg/L Associated Samples: 1

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Action Level
Cr			0.0069	
Fe			0.0255	

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace metals (EPA SW 864 Method 6010B/6020/7000)
Soil preparation factor applied: NA
Sample Concentration units, unless otherwise noted: mg/L
Associated Samples: 2 to 6

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Action Level									
Cr			0.0065										
Fe			0.0266										

Sample Concentration units, unless otherwise noted: mg/L
Associated Samples: 1 to 6

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Action Level									
Na			0.0320										

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".
Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 46620A4b

VALIDATION FINDINGS WORKSHEET
Matrix Spike

Reviewer: ATL
2nd Reviewer:

METHOD: Trace metals (EPA SW 846 Method 6010/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a matrix spike analyzed for each matrix in this SDG?

Y (N) N/A Were matrix spike percent recoveries (%R) within the control limits of ~~75-125~~ lab limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	MS ID	Matrix	Analyte	MS %Recovery	Associated Samples	Qualifications
	9	S	Ni	152 (75-125)	all	Jdet/A (all detect)
			Na	4 (75-125)	all	J/UJ/A (all detect) PS=103%
			Hg	129 (80-120)	all	Jdet/A (detect=1,2,5,7)

Comments: 9: Al, Cr, Cu, Fe, Mg, Mn > 4X

LDC #: 46620A4b

VALIDATION FINDINGS WORKSHEET
Duplicate Analysis

Reviewer: ATL
2nd Reviewer:

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a duplicate sample analyzed for each matrix in this SDG?

Y (N) N/A Were all duplicate sample relative percent differences (RPD) ≤ 20% for water samples and ≤ ~~35~~ 20% for soil samples? If no, see qualifications below. A control limit of ±R.L. (±2X R.L. for soil) was used for sample values that were <5X the R.L., including the case when only one of the duplicate sample values was <5X R.L.. If field blanks were used for laboratory duplicates, note in the Overall Assessment.

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	Duplicate ID	Matrix	Analyte	RPD (Limits)	Difference (Limits)	Associated Samples	Qualifications
		10	S	Ca	45 (≤ 20%)		All	J/UJ/A (all detect)
				Cr	28 (≤ 20%)		All	J/UJ/A (all detect)
				Pb	39 (≤ 20%)		All	J/UJ/A (all detect)
				Ni	21 (≤ 20%)		All	J/UJ/A (all detect)
				Na	54 (≤ 20%)		All	J/UJ/A (all detect)

Comments:

LDC #: 46620A4b

VALIDATION FINDINGS WORKSHEET
ICP Serial Dilution

Reviewer: ATL
2nd Reviewer:

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A If analyte concentrations were > 50X the MDL (ICP) ,or >100X the MDL (ICP/MS), was a serial dilution analyzed?
Y (N) N/A Were ICP serial dilution percent differences (%D) ≤10%?
Y (N) N/A Is there evidence of negative interference? If yes, professional judgement will be used to qualify the data.

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Diluted Sample ID	Matrix	Analyte	%D (Limits)	Associated Samples	Qualifications
	1	S	Al	15 (≤10%)	all	J/UJ/A (all detect)
			Ba	14 (≤10%)	all	J/UJ/A (all detect)
			Fe	12 (≤10%)	all	J/UJ/A (all detect)
			Mn	12 (≤10%)	all	J/UJ/A (all detect)
			Ni	18 (≤10%)	all	J/UJ/A (all detect)

Comments:

LDC #: 46620A4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Page: 1 of 1
Reviewer: ATL
2nd Reviewer:

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found / True x 100 ' Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration) 10/31 e 10:55	Co	0.4949 mg/L	0.500 mg/L	99	99	Y
	ICP/MS (Initial calibration)						
ICV	CVAA (Initial calibration) 10/31 e 10:33	Hg	0.002982 mg/L	0.00300 mg/L	99	99	Y
CCV	ICP (Continuing calibration) 10/31 e 12:52	Zn	0.5281 mg/L	0.500 mg/L	106	106	Y
	ICP/MS (Continuing calibration)						
CCV	CVAA (Continuing calibration) 10/31 e 11:13	Hg	0.010475 mg/L	0.0100 mg/L	105	105	Y

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 46620A4b

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATV
2nd Reviewer: C

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

%R = Found / True x 100 Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

RPD = |S-D| / (S+D)/2 x 100 Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

%D = |I-SDR| / I x 100 Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (mg/kg) (units)	True / D / SDR (mg/kg) (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSA	ICP interference check 10/31 e 09:06	Al	263.5 mg/L	250 mg/L	105	105	Y
LCS	Laboratory control sample 10/31 e 11:15	Mg	1794.82	2410	74	74	Y
9	Matrix spike 10/31 e 11:24	Ni	(SSR-SR) 75.6	49.5	153	152	Y
10	Duplicate 10/31 e 11:29	Na	2049	3550	54	54	Y
1	Post digestion spike 10/31 e 11:33	Ca	22.72	24.6	92	89	Y
1	ICP serial dilution 10/31 e 11:52	Ba	50.1	58.0	14	14	Y

Comments: _____

LDC #: 46620A4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATV
2nd reviewer:

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Ba were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation: #2

$2.906 \times (50/1.294) \times 2 \times \frac{1}{0.89} = 252.33$
$= 252$

#	Sample ID	Analyte	Reported Concentration (mg/kg)	Calculated Concentration (mg/kg)	Acceptable (Y/N)
	1	Al (10/31 e 11:20)	12400	12400	Y
	2	Ba (10/31 e 12:10)	254	252	
	3	Cr (10/31 e 12:15)	22.8	22.8	
	4	Pb (10/31 e 12:19)	4.25	4.24	
	5	Ni (10/31 e 12:24)	1600	1600	
	6	Na (10/31 e 12:29)	342	343	
	7	V (10/31 e 16:06)	48.1	48.0	
	8	Ca (10/31 e 16:10)	625	626	↓
	1	Hg (10/31 e 10:50)	0.053	0.053	Y
	2	Hg (10/31 e 11:03)	0.208	0.207	
	5	Hg (10/31 e 11:19)	0.555	0.552	
	7	Hg (10/31 e 11:36)	0.092	0.092	
	3,4,6,8	Hg	ND	ND	↓

Note:

LDC #: 46620A6
SDG #: L1951248
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 12/13/19
Page: 1 of 1
Reviewer: ATV
2nd Reviewer:

METHOD: (Analyte) Total Cyanide (EPA SW846 Method 9010C/9012B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II	Initial calibration	A	
III.	Calibration verification	A	
IV	Laboratory Blanks	A	
V	Field blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	non-client sample used
VII.	Duplicate sample analysis	N	
VIII.	Laboratory control samples	SW	LCS
IX.	Field duplicates	N	
X.	Sample result verification	A	MDL < samples < RL : Jdet.
XI.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	B-19 (4'-5')	L1951248-01	Soil	10/30/19
2	B-19 (5.5'-6.5')	L1951248-02	Soil	10/30/19
3	B-12 (3'-4')	L1951248-03	Soil	10/30/19
4	B-12 (8'-9')	L1951248-04	Soil	10/30/19
5	B-18 (2'-3')	L1951248-05	Soil	10/30/19
6	B-17 (1.5'-2.5') (5X - high analyte)	L1951248-06	Soil	10/30/19
7	WC-B2 (0'-5') COMP	L1951248-07	Soil	10/30/19
8	WC-B2 (5'-10') COMP	L1951248-09	Soil	10/30/19
9				
10				
11				
12				
13				
14				
15				

Notes:

LDC #: 46620A6

VALIDATION FINDINGS CHECKLIST

Reviewer: ATV
2nd Reviewer:

Method: Inorganics (EPA Method See cover)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
II. Calibration				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial calibration correlation coefficients ≥ 0.995?	✓			
Were all initial and continuing calibration verification %Rs within the 90-110% QC limits?	✓			
Were titrant checks performed as required? (Level IV only)			✓	
Were balance checks performed as required? (Level IV only)			✓	
III. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
IV. Matrix spike/Matrix spike duplicates and Duplicates				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water.		✓		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.			✓	
Were the MS/MSD or duplicate relative percent differences (RPD) ≤ 20% for waters and ≤ 35% for soil samples? A control limit of ≤ CRDL(≤ 2X CRDL for soil) was used for samples that were ≤ 5X the CRDL, including when only one of the duplicate sample values were ≤ 5X the CRDL.			✓	
V. Laboratory control samples				
Was an LCS anaylzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% (85-115% for Method 300.0) QC limits?	✓			
VI. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	

Validation Area	Yes	No	NA	Findings/Comments
VII. Sample Result Verification				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
Were detection limits < RL?	✓			
VIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
IX. Field duplicates				
Field duplicate pairs were identified in this SDG.		✓		
Target analytes were detected in the field duplicates.			✓	
X. Field blanks				
Field blanks were identified in this SDG.		✓		
Target analytes were detected in the field blanks.			✓	

LDC #: 46620A6

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: ATL
2nd Reviewer:

METHOD: Inorganics, Method see cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a laboratory control sample (LCS) analyzed for each matrix in this SDG?

Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

LEVEL IV ONLY:

Y N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	LCS/LCSD ID	Matrix	Analyte	LCS %R (limits)	LCSD %R (limits)	RPD (limits)	Associated Samples	Qualifications
	LCS/LCSD	S	CN	58 (80-120)	75 (80-120)		1 to 6	J/UJ/P (all detect)
	LCS/LCSD	S	Cn	64 (80-120)	67 (80-120)		7,8	J/UJ/P (all detect)

Comments:

LDC #: 46620A6

Validation Findings Worksheet
Initial and Continuing Calibration Calculation Verification

Reviewer: ATL
2nd Reviewer:

Method: Inorganics, Method See cover

The correlation coefficient (r) for the calibration of CN- was recalculated. Calibration date: 10/31/19

An initial or continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found X 100 / True

Where, Found = concentration of each analyte measured in the analysis of the ICV or CCV solution

True = concentration of each analyte in the ICV or CCV source

Type of analysis	Analyte	Standard	Conc. (mg/l)	Height	Recalculated r or r^2	Reported r or r^2	Acceptable (Y/N)
Initial calibration	CN-	s1	0	0.00196	*0.999952*	0.999990	Y
		s2	0.2	0.0094			
		s3	0.5	0.02135			
		s4	1	0.0415			
		s5	2	0.08262			
		s6	5	0.19789			
		s7	10	0.40086			
		s8	25	0.97538			
CCV Calibration verification	CN	FOUND 0.0992	TRUE 0.1000		99	99	Y
CCV Calibration verification	CN	0.1001	0.1000		100	100	Y
CCV Calibration verification	CN	0.0983	0.1000		98	98	Y

Comments: Refer to Calibration Verification findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46620A6

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Page: 1 of 1
Reviewer: ATL
2nd Reviewer:

METHOD: Inorganics, Method see cover

Percent recoveries (%R) for a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

Sample ID	Type of Analysis	Element	mg/kg Found / S (units)	mg/kg True / D (units)	Recalculated %R / RPD	Reported %R / RPD	Acceptable (Y/N)
LCS	Laboratory control sample	CN	87.60	150	58	58	Y
	Matrix spike sample		(SSR-SR)				
	Duplicate sample						

Comments: _____

LDC #: 46620AG

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATV
2nd reviewer: G

METHOD: Inorganics, Method see cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Have results been reported and calculated correctly?
Y N N/A Are results within the calibrated range of the instruments?
Y N N/A Are all detection limits below the CRQL?

Compound (analyte) results for CN reported with a positive detect were recalculated and verified using the following equation:

Concentration = Recalculation: #6

$$67.74326 / 1.05720 \times \frac{1}{0.91} = 70.4153$$
$$\approx 70$$

#	Sample ID	Analyte	Reported Concentration (mg/kg)	Calculated Concentration (mg/kg)	Acceptable (Y/N)
	1	CN (10/31 @ 11:33)	3.3	3.3	Y
	2	CN (10/31 @ 11:34)	0.28	0.27	
	3	CN (10/31 @ 11:35)	2.3	2.3	
	4	CN (10/31 @ 11:36)	0.51	0.48	
	5	CN (10/31 @ 11:37)	6.6	5.9	
	6	CN (10/31 @ 12:46)	74	70	
	7	CN (10/31 @ 14:35)	3.8	3.5	
	8	CN (10/31 @ 14:36)	2.6	2.4	

Huguenot Street Development - LDC# 46620

SDG: L1951248

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (3-4)	L1951248-03	NICKEL, TOTAL	10/31/2019	249	Y	Y		J	J	2.18	0.211	mg/kg
B-12 (3-4)	L1951248-03	ARSENIC, TOTAL	10/31/2019	0.192	Y	Y	J		J	0.873	0.182	mg/kg
B-12 (3-4)	L1951248-03	ALUMINUM, TOTAL	10/31/2019	12000	Y	Y		J	J	8.73	2.36	mg/kg
B-12 (3-4)	L1951248-03	BARIUM, TOTAL	10/31/2019	85.2	Y	Y		J	J	0.873	0.152	mg/kg
B-12 (3-4)	L1951248-03	CALCIUM, TOTAL	10/31/2019	473	Y	Y		J	J	8.73	3.06	mg/kg
B-12 (3-4)	L1951248-03	CHROMIUM, TOTAL	10/31/2019	22.8	Y	Y		J	J	0.873	0.084	mg/kg
B-12 (3-4)	L1951248-03	CADMIUM, TOTAL	10/31/2019	0.358	Y	Y	J		J	0.873	0.086	mg/kg
B-12 (3-4)	L1951248-03	MANGANESE, TOTAL	10/31/2019	376	Y	Y		J	J	0.873	0.139	mg/kg
B-12 (3-4)	L1951248-03	COPPER, TOTAL	10/31/2019	172	Y	Y				0.873	0.225	mg/kg
B-12 (3-4)	L1951248-03	IRON, TOTAL	10/31/2019	17600	Y	Y		J	J	4.36	0.788	mg/kg
B-12 (3-4)	L1951248-03	MAGNESIUM, TOTAL	10/31/2019	3000	Y	Y				8.73	1.34	mg/kg
B-12 (3-4)	L1951248-03	ZINC, TOTAL	10/31/2019	50.2	Y	Y				4.36	0.256	mg/kg
B-12 (3-4)	L1951248-03	VANADIUM, TOTAL	10/31/2019	29.7	Y	Y				0.873	0.177	mg/kg
B-12 (3-4)	L1951248-03	SODIUM, TOTAL	10/31/2019	235	Y	Y		J	J	174	2.75	mg/kg
B-12 (3-4)	L1951248-03	POTASSIUM, TOTAL	10/31/2019	3410	Y	Y				218	12.6	mg/kg
B-12 (3-4)	L1951248-03	COBALT, TOTAL	10/31/2019	10.7	Y	Y				1.74	0.145	mg/kg
B-12 (3-4)	L1951248-03	SELENIUM, TOTAL	10/31/2019		Y	N	U		U	1.74	0.225	mg/kg
B-12 (3-4)	L1951248-03	SILVER, TOTAL	10/31/2019		Y	N	U		U	0.873	0.247	mg/kg
B-12 (3-4)	L1951248-03	BERYLLIUM, TOTAL	10/31/2019		Y	N	U		U	0.436	0.029	mg/kg
B-12 (3-4)	L1951248-03	THALLIUM, TOTAL	10/31/2019		Y	N	U		U	1.74	0.275	mg/kg
B-12 (3-4)	L1951248-03	LEAD, TOTAL	10/31/2019	6.26	Y	Y		J	J	4.36	0.234	mg/kg
B-12 (3-4)	L1951248-03	ANTIMONY, TOTAL	10/31/2019		Y	N	U		U	4.36	0.332	mg/kg
B-12 (8-9)	L1951248-04	MAGNESIUM, TOTAL	10/31/2019	5410	Y	Y				8.96	1.38	mg/kg

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (8-9)	L1951248-04	CHROMIUM, TOTAL	10/31/2019	78.0	Y	Y		J	J	0.896	0.086	mg/kg
B-12 (8-9)	L1951248-04	COBALT, TOTAL	10/31/2019	12.8	Y	Y				1.79	0.149	mg/kg
B-12 (8-9)	L1951248-04	CADMIUM, TOTAL	10/31/2019	0.296	Y	Y	J		J	0.896	0.088	mg/kg
B-12 (8-9)	L1951248-04	VANADIUM, TOTAL	10/31/2019	34.6	Y	Y				0.896	0.182	mg/kg
B-12 (8-9)	L1951248-04	MANGANESE, TOTAL	10/31/2019	405	Y	Y		J	J	0.896	0.142	mg/kg
B-12 (8-9)	L1951248-04	NICKEL, TOTAL	10/31/2019	233	Y	Y		J	J	2.24	0.217	mg/kg
B-12 (8-9)	L1951248-04	POTASSIUM, TOTAL	10/31/2019	5110	Y	Y				224	12.9	mg/kg
B-12 (8-9)	L1951248-04	SODIUM, TOTAL	10/31/2019	631	Y	Y		J	J	179	2.82	mg/kg
B-12 (8-9)	L1951248-04	COPPER, TOTAL	10/31/2019	121	Y	Y				0.896	0.231	mg/kg
B-12 (8-9)	L1951248-04	SELENIUM, TOTAL	10/31/2019	0.269	Y	Y	J		J	1.79	0.231	mg/kg
B-12 (8-9)	L1951248-04	IRON, TOTAL	10/31/2019	21600	Y	Y		J	J	4.48	0.809	mg/kg
B-12 (8-9)	L1951248-04	LEAD, TOTAL	10/31/2019	4.25	Y	Y	J	J	J	4.48	0.240	mg/kg
B-12 (8-9)	L1951248-04	ZINC, TOTAL	10/31/2019	64.6	Y	Y				4.48	0.262	mg/kg
B-12 (8-9)	L1951248-04	CALCIUM, TOTAL	10/31/2019	773	Y	Y		J	J	8.96	3.14	mg/kg
B-12 (8-9)	L1951248-04	BARIUM, TOTAL	10/31/2019	109	Y	Y		J	J	0.896	0.156	mg/kg
B-12 (8-9)	L1951248-04	ANTIMONY, TOTAL	10/31/2019		Y	N	U		U	4.48	0.340	mg/kg
B-12 (8-9)	L1951248-04	BERYLLIUM, TOTAL	10/31/2019		Y	N	U		U	0.448	0.030	mg/kg
B-12 (8-9)	L1951248-04	SILVER, TOTAL	10/31/2019		Y	N	U		U	0.896	0.254	mg/kg
B-12 (8-9)	L1951248-04	THALLIUM, TOTAL	10/31/2019		Y	N	U		U	1.79	0.282	mg/kg
B-12 (8-9)	L1951248-04	ALUMINUM, TOTAL	10/31/2019	12200	Y	Y		J	J	8.96	2.42	mg/kg
B-12 (8-9)	L1951248-04	ARSENIC, TOTAL	10/31/2019		Y	N	U		U	0.896	0.186	mg/kg
B-17 (1.5-2.5)	L1951248-06	BARIUM, TOTAL	10/31/2019	162	Y	Y		J	J	0.849	0.148	mg/kg
B-17 (1.5-2.5)	L1951248-06	POTASSIUM, TOTAL	10/31/2019	13400	Y	Y				212	12.2	mg/kg
B-17 (1.5-2.5)	L1951248-06	NICKEL, TOTAL	10/31/2019	377	Y	Y		J	J	2.12	0.205	mg/kg
B-17 (1.5-2.5)	L1951248-06	MANGANESE, TOTAL	10/31/2019	287	Y	Y		J	J	0.849	0.135	mg/kg

SDG: L1951248

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-17 (1.5-2.5)	L1951248-06	LEAD, TOTAL	10/31/2019	24.4	Y	Y		J	J	4.24	0.228	mg/kg
B-17 (1.5-2.5)	L1951248-06	COPPER, TOTAL	10/31/2019	396	Y	Y				0.849	0.219	mg/kg
B-17 (1.5-2.5)	L1951248-06	COBALT, TOTAL	10/31/2019	18.2	Y	Y				1.70	0.141	mg/kg
B-17 (1.5-2.5)	L1951248-06	ALUMINUM, TOTAL	10/31/2019	21800	Y	Y		J	J	8.49	2.29	mg/kg
B-17 (1.5-2.5)	L1951248-06	CALCIUM, TOTAL	10/31/2019	578	Y	Y		J	J	8.49	2.97	mg/kg
B-17 (1.5-2.5)	L1951248-06	SODIUM, TOTAL	10/31/2019	342	Y	Y		J	J	170	2.67	mg/kg
B-17 (1.5-2.5)	L1951248-06	MAGNESIUM, TOTAL	10/31/2019	9780	Y	Y				8.49	1.31	mg/kg
B-17 (1.5-2.5)	L1951248-06	CHROMIUM, TOTAL	10/31/2019	84.2	Y	Y		J	J	0.849	0.082	mg/kg
B-17 (1.5-2.5)	L1951248-06	SILVER, TOTAL	10/31/2019		Y	N	U		U	0.849	0.240	mg/kg
B-17 (1.5-2.5)	L1951248-06	ZINC, TOTAL	10/31/2019	160	Y	Y				4.24	0.249	mg/kg
B-17 (1.5-2.5)	L1951248-06	ANTIMONY, TOTAL	10/31/2019		Y	N	U		U	4.24	0.323	mg/kg
B-17 (1.5-2.5)	L1951248-06	ARSENIC, TOTAL	10/31/2019		Y	N	U		U	0.849	0.177	mg/kg
B-17 (1.5-2.5)	L1951248-06	BERYLLIUM, TOTAL	10/31/2019		Y	N	U		U	0.424	0.028	mg/kg
B-17 (1.5-2.5)	L1951248-06	CADMIUM, TOTAL	10/31/2019	0.577	Y	Y	J		J	0.849	0.083	mg/kg
B-17 (1.5-2.5)	L1951248-06	SELENIUM, TOTAL	10/31/2019		Y	N	U		U	1.70	0.219	mg/kg
B-17 (1.5-2.5)	L1951248-06	IRON, TOTAL	10/31/2019	37700	Y	Y		J	J	4.24	0.767	mg/kg
B-17 (1.5-2.5)	L1951248-06	VANADIUM, TOTAL	10/31/2019	70.4	Y	Y				0.849	0.172	mg/kg
B-17 (1.5-2.5)	L1951248-06	THALLIUM, TOTAL	10/31/2019		Y	N	U		U	1.70	0.267	mg/kg
B-18 (2-3)	L1951248-05	COBALT, TOTAL	10/31/2019	13.2	Y	Y				1.74	0.145	mg/kg
B-18 (2-3)	L1951248-05	COPPER, TOTAL	10/31/2019	384	Y	Y				0.872	0.225	mg/kg
B-18 (2-3)	L1951248-05	IRON, TOTAL	10/31/2019	14100	Y	Y		J	J	4.36	0.788	mg/kg
B-18 (2-3)	L1951248-05	LEAD, TOTAL	10/31/2019	102	Y	Y		J	J	4.36	0.234	mg/kg
B-18 (2-3)	L1951248-05	MANGANESE, TOTAL	10/31/2019	276	Y	Y		J	J	0.872	0.139	mg/kg
B-18 (2-3)	L1951248-05	ALUMINUM, TOTAL	10/31/2019	8360	Y	Y		J	J	8.72	2.36	mg/kg
B-18 (2-3)	L1951248-05	MAGNESIUM, TOTAL	10/31/2019	2350	Y	Y				8.72	1.34	mg/kg

SDG: L1951248

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-18 (2-3)	L1951248-05	CALCIUM, TOTAL	10/31/2019	2640	Y	Y		J	J	8.72	3.05	mg/kg
B-18 (2-3)	L1951248-05	NICKEL, TOTAL	10/31/2019	1600	Y	Y		J	J	2.18	0.211	mg/kg
B-18 (2-3)	L1951248-05	ARSENIC, TOTAL	10/31/2019	3.43	Y	Y				0.872	0.181	mg/kg
B-18 (2-3)	L1951248-05	CHROMIUM, TOTAL	10/31/2019	72.8	Y	Y		J	J	0.872	0.084	mg/kg
B-18 (2-3)	L1951248-05	BERYLLIUM, TOTAL	10/31/2019	0.096	Y	Y	J		J	0.436	0.029	mg/kg
B-18 (2-3)	L1951248-05	SELENIUM, TOTAL	10/31/2019	0.384	Y	Y	J		J	1.74	0.225	mg/kg
B-18 (2-3)	L1951248-05	BARIUM, TOTAL	10/31/2019	117	Y	Y		J	J	0.872	0.152	mg/kg
B-18 (2-3)	L1951248-05	SODIUM, TOTAL	10/31/2019	175	Y	Y		J	J	174	2.75	mg/kg
B-18 (2-3)	L1951248-05	VANADIUM, TOTAL	10/31/2019	27.3	Y	Y				0.872	0.177	mg/kg
B-18 (2-3)	L1951248-05	ZINC, TOTAL	10/31/2019	182	Y	Y				4.36	0.256	mg/kg
B-18 (2-3)	L1951248-05	THALLIUM, TOTAL	10/31/2019		Y	N	U		U	1.74	0.275	mg/kg
B-18 (2-3)	L1951248-05	SILVER, TOTAL	10/31/2019		Y	N	U		U	0.872	0.247	mg/kg
B-18 (2-3)	L1951248-05	ANTIMONY, TOTAL	10/31/2019		Y	N	U		U	4.36	0.331	mg/kg
B-18 (2-3)	L1951248-05	POTASSIUM, TOTAL	10/31/2019	1630	Y	Y				218	12.6	mg/kg
B-18 (2-3)	L1951248-05	CADMIUM, TOTAL	10/31/2019	1.13	Y	Y				0.872	0.086	mg/kg
B-19 (4-5)	L1951248-01	POTASSIUM, TOTAL	10/31/2019	1990	Y	Y				246	14.2	mg/kg
B-19 (4-5)	L1951248-01	CADMIUM, TOTAL	10/31/2019	0.266	Y	Y	J		J	0.984	0.096	mg/kg
B-19 (4-5)	L1951248-01	BERYLLIUM, TOTAL	10/31/2019	0.344	Y	Y	J		J	0.492	0.033	mg/kg
B-19 (4-5)	L1951248-01	ZINC, TOTAL	10/31/2019	31.2	Y	Y				4.92	0.288	mg/kg
B-19 (4-5)	L1951248-01	MAGNESIUM, TOTAL	10/31/2019	6100	Y	Y				9.84	1.52	mg/kg
B-19 (4-5)	L1951248-01	ALUMINUM, TOTAL	10/31/2019	12400	Y	Y		J	J	9.84	2.66	mg/kg
B-19 (4-5)	L1951248-01	NICKEL, TOTAL	10/31/2019	136	Y	Y		J	J	2.46	0.238	mg/kg
B-19 (4-5)	L1951248-01	CHROMIUM, TOTAL	10/31/2019	126	Y	Y		J	J	0.984	0.095	mg/kg
B-19 (4-5)	L1951248-01	VANADIUM, TOTAL	10/31/2019	41.8	Y	Y				0.984	0.200	mg/kg
B-19 (4-5)	L1951248-01	MANGANESE, TOTAL	10/31/2019	213	Y	Y		J	J	0.984	0.156	mg/kg

SDG: L1951248

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-19 (4-5)	L1951248-01	THALLIUM, TOTAL	10/31/2019		Y	N	U		U	1.97	0.310	mg/kg
B-19 (4-5)	L1951248-01	CALCIUM, TOTAL	10/31/2019	1040	Y	Y		J	J	9.84	3.44	mg/kg
B-19 (4-5)	L1951248-01	IRON, TOTAL	10/31/2019	29100	Y	Y		J	J	4.92	0.889	mg/kg
B-19 (4-5)	L1951248-01	ANTIMONY, TOTAL	10/31/2019		Y	N	U		U	4.92	0.374	mg/kg
B-19 (4-5)	L1951248-01	COBALT, TOTAL	10/31/2019	13.4	Y	Y				1.97	0.163	mg/kg
B-19 (4-5)	L1951248-01	COPPER, TOTAL	10/31/2019	118	Y	Y				0.984	0.254	mg/kg
B-19 (4-5)	L1951248-01	LEAD, TOTAL	10/31/2019	6.72	Y	Y		J	J	4.92	0.264	mg/kg
B-19 (4-5)	L1951248-01	SODIUM, TOTAL	10/31/2019	3550	Y	Y		J	J	197	3.10	mg/kg
B-19 (4-5)	L1951248-01	ARSENIC, TOTAL	10/31/2019		Y	N	U		U	0.984	0.205	mg/kg
B-19 (4-5)	L1951248-01	BARIUM, TOTAL	10/31/2019	58.0	Y	Y		J	J	0.984	0.171	mg/kg
B-19 (4-5)	L1951248-01	SELENIUM, TOTAL	10/31/2019		Y	N	U		U	1.97	0.254	mg/kg
B-19 (4-5)	L1951248-01	SILVER, TOTAL	10/31/2019		Y	N	U		U	0.984	0.278	mg/kg
B-19 (5.5-6.5)	L1951248-02	ALUMINUM, TOTAL	10/31/2019	17000	Y	Y		J	J	8.73	2.36	mg/kg
B-19 (5.5-6.5)	L1951248-02	CHROMIUM, TOTAL	10/31/2019	64.8	Y	Y		J	J	0.873	0.084	mg/kg
B-19 (5.5-6.5)	L1951248-02	COPPER, TOTAL	10/31/2019	63.8	Y	Y				0.873	0.225	mg/kg
B-19 (5.5-6.5)	L1951248-02	ANTIMONY, TOTAL	10/31/2019		Y	N	U		U	4.37	0.332	mg/kg
B-19 (5.5-6.5)	L1951248-02	BARIUM, TOTAL	10/31/2019	254	Y	Y		J	J	0.873	0.152	mg/kg
B-19 (5.5-6.5)	L1951248-02	COBALT, TOTAL	10/31/2019	13.5	Y	Y				1.75	0.145	mg/kg
B-19 (5.5-6.5)	L1951248-02	IRON, TOTAL	10/31/2019	31200	Y	Y		J	J	4.37	0.788	mg/kg
B-19 (5.5-6.5)	L1951248-02	CADMIUM, TOTAL	10/31/2019	0.332	Y	Y	J		J	0.873	0.086	mg/kg
B-19 (5.5-6.5)	L1951248-02	THALLIUM, TOTAL	10/31/2019		Y	N	U		U	1.75	0.275	mg/kg
B-19 (5.5-6.5)	L1951248-02	SILVER, TOTAL	10/31/2019		Y	N	U		U	0.873	0.247	mg/kg
B-19 (5.5-6.5)	L1951248-02	SELENIUM, TOTAL	10/31/2019		Y	N	U		U	1.75	0.225	mg/kg
B-19 (5.5-6.5)	L1951248-02	ARSENIC, TOTAL	10/31/2019		Y	N	U		U	0.873	0.182	mg/kg
B-19 (5.5-6.5)	L1951248-02	BERYLLIUM, TOTAL	10/31/2019		Y	N	U		U	0.437	0.029	mg/kg

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-19 (5.5-6.5)	L1951248-02	LEAD, TOTAL	10/31/2019	6.18	Y	Y		J	J	4.37	0.234	mg/kg
B-19 (5.5-6.5)	L1951248-02	MAGNESIUM, TOTAL	10/31/2019	6790	Y	Y				8.73	1.34	mg/kg
B-19 (5.5-6.5)	L1951248-02	MANGANESE, TOTAL	10/31/2019	315	Y	Y		J	J	0.873	0.139	mg/kg
B-19 (5.5-6.5)	L1951248-02	NICKEL, TOTAL	10/31/2019	160	Y	Y		J	J	2.18	0.211	mg/kg
B-19 (5.5-6.5)	L1951248-02	POTASSIUM, TOTAL	10/31/2019	11500	Y	Y				218	12.6	mg/kg
B-19 (5.5-6.5)	L1951248-02	SODIUM, TOTAL	10/31/2019	966	Y	Y		J	J	175	2.75	mg/kg
B-19 (5.5-6.5)	L1951248-02	VANADIUM, TOTAL	10/31/2019	66.5	Y	Y				0.873	0.177	mg/kg
B-19 (5.5-6.5)	L1951248-02	CALCIUM, TOTAL	10/31/2019	913	Y	Y		J	J	8.73	3.06	mg/kg
B-19 (5.5-6.5)	L1951248-02	ZINC, TOTAL	10/31/2019	77.6	Y	Y				4.37	0.256	mg/kg
WC-B2 (0-5) COMP	L1951248-07	MAGNESIUM, TOTAL	10/31/2019	9750	Y	Y				8.79	1.35	mg/kg
WC-B2 (0-5) COMP	L1951248-07	LEAD, TOTAL	10/31/2019	21.3	Y	Y		J	J	4.39	0.236	mg/kg
WC-B2 (0-5) COMP	L1951248-07	IRON, TOTAL	10/31/2019	28300	Y	Y		J	J	4.39	0.794	mg/kg
WC-B2 (0-5) COMP	L1951248-07	COBALT, TOTAL	10/31/2019	19.0	Y	Y				1.76	0.146	mg/kg
WC-B2 (0-5) COMP	L1951248-07	MANGANESE, TOTAL	10/31/2019	399	Y	Y		J	J	0.879	0.140	mg/kg
WC-B2 (0-5) COMP	L1951248-07	BARIUM, TOTAL	10/31/2019	149	Y	Y		J	J	0.879	0.153	mg/kg
WC-B2 (0-5) COMP	L1951248-07	ZINC, TOTAL	10/31/2019	103	Y	Y				4.39	0.257	mg/kg
WC-B2 (0-5) COMP	L1951248-07	CADMIUM, TOTAL	10/31/2019	0.466	Y	Y	J		J	0.879	0.086	mg/kg
WC-B2 (0-5) COMP	L1951248-07	CALCIUM, TOTAL	10/31/2019	1040	Y	Y		J	J	8.79	3.08	mg/kg
WC-B2 (0-5) COMP	L1951248-07	NICKEL, TOTAL	10/31/2019	331	Y	Y		J	J	2.20	0.213	mg/kg
WC-B2 (0-5) COMP	L1951248-07	POTASSIUM, TOTAL	10/31/2019	6010	Y	Y				220	12.6	mg/kg
WC-B2 (0-5) COMP	L1951248-07	ALUMINUM, TOTAL	10/31/2019	20100	Y	Y		J	J	8.79	2.37	mg/kg
WC-B2 (0-5) COMP	L1951248-07	VANADIUM, TOTAL	10/31/2019	48.1	Y	Y				0.879	0.178	mg/kg
WC-B2 (0-5) COMP	L1951248-07	CHROMIUM, TOTAL	10/31/2019	67.8	Y	Y		J	J	0.879	0.084	mg/kg
WC-B2 (0-5) COMP	L1951248-07	THALLIUM, TOTAL	10/31/2019		Y	N	U		U	1.76	0.277	mg/kg
WC-B2 (0-5) COMP	L1951248-07	SILVER, TOTAL	10/31/2019		Y	N	U		U	0.879	0.249	mg/kg

SDG: L1951248

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B2 (0-5) COMP	L1951248-07	SELENIUM, TOTAL	10/31/2019		Y	N	U		U	1.76	0.227	mg/kg
WC-B2 (0-5) COMP	L1951248-07	BERYLLIUM, TOTAL	10/31/2019		Y	N	U		U	0.439	0.029	mg/kg
WC-B2 (0-5) COMP	L1951248-07	ARSENIC, TOTAL	10/31/2019		Y	N	U		U	0.879	0.183	mg/kg
WC-B2 (0-5) COMP	L1951248-07	ANTIMONY, TOTAL	10/31/2019		Y	N	U		U	4.39	0.334	mg/kg
WC-B2 (0-5) COMP	L1951248-07	SODIUM, TOTAL	10/31/2019	1610	Y	Y		J	J	176	2.77	mg/kg
WC-B2 (0-5) COMP	L1951248-07	COPPER, TOTAL	10/31/2019	174	Y	Y				0.879	0.227	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	BERYLLIUM, TOTAL	10/31/2019		Y	N	U		U	0.412	0.027	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	ALUMINUM, TOTAL	10/31/2019	17600	Y	Y		J	J	8.25	2.23	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	BARIUM, TOTAL	10/31/2019	211	Y	Y		J	J	0.825	0.144	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	CALCIUM, TOTAL	10/31/2019	625	Y	Y		J	J	8.25	2.89	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	CHROMIUM, TOTAL	10/31/2019	69.7	Y	Y		J	J	0.825	0.079	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	COBALT, TOTAL	10/31/2019	15.7	Y	Y				1.65	0.137	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	ANTIMONY, TOTAL	10/31/2019		Y	N	U		U	4.12	0.314	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	SELENIUM, TOTAL	10/31/2019		Y	N	U		U	1.65	0.213	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	SILVER, TOTAL	10/31/2019		Y	N	U		U	0.825	0.233	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	THALLIUM, TOTAL	10/31/2019		Y	N	U		U	1.65	0.260	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	COPPER, TOTAL	10/31/2019	81.5	Y	Y				0.825	0.213	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	IRON, TOTAL	10/31/2019	28700	Y	Y		J	J	4.12	0.745	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	LEAD, TOTAL	10/31/2019	5.27	Y	Y		J	J	4.12	0.221	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	MANGANESE, TOTAL	10/31/2019	387	Y	Y		J	J	0.825	0.131	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	NICKEL, TOTAL	10/31/2019	139	Y	Y		J	J	2.06	0.200	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	POTASSIUM, TOTAL	10/31/2019	10700	Y	Y				206	11.9	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	SODIUM, TOTAL	10/31/2019	1170	Y	Y		J	J	165	2.60	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	VANADIUM, TOTAL	10/31/2019	49.1	Y	Y				0.825	0.167	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	CADMIUM, TOTAL	10/31/2019	0.264	Y	Y	J		J	0.825	0.081	mg/kg

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B2-(5-10)-COMP	L1951248-09	MAGNESIUM, TOTAL	10/31/2019	8750	Y	Y				8.25	1.27	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	ZINC, TOTAL	10/31/2019	77.0	Y	Y				4.12	0.242	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	ARSENIC, TOTAL	11/3/2019		Y	N	U		U	2.06	0.429	mg/kg

Analytical Method A2540G

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (3-4)	L1951248-03	SOLIDS, TOTAL	10/31/2019	88.8	Y	Y				0.100	0.100	percent
B-12 (8-9)	L1951248-04	SOLIDS, TOTAL	10/31/2019	85.8	Y	Y				0.100	0.100	percent
B-17 (1.5-2.5)	L1951248-06	SOLIDS, TOTAL	10/31/2019	91.3	Y	Y				0.100	0.100	percent
B-18 (2-3)	L1951248-05	SOLIDS, TOTAL	10/31/2019	89.5	Y	Y				0.100	0.100	percent
B-19 (4-5)	L1951248-01	SOLIDS, TOTAL	10/31/2019	78.1	Y	Y				0.100	0.100	percent
B-19 (5.5-6.5)	L1951248-02	SOLIDS, TOTAL	10/31/2019	88.5	Y	Y				0.100	0.100	percent
WC-B2 (0-5) COMP	L1951248-07	SOLIDS, TOTAL	10/31/2019	86.8	Y	Y				0.100	0.100	percent
WC-B2 (3)-VOCS	L1951248-08	SOLIDS, TOTAL	10/31/2019	86.8	Y	Y				0.100	0.100	percent
WC-B2-(5-10)-COMP	L1951248-09	SOLIDS, TOTAL	10/31/2019	92.1	Y	Y				0.100	0.100	percent
WC-B2-(8)-VOCS	L1951248-10	SOLIDS, TOTAL	10/31/2019	92.1	Y	Y				0.100	0.100	percent

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (3-4)	L1951248-03	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	11/22/2019		Y	N	U		U	1.00	0.288	ug/kg
B-12 (3-4)	L1951248-03	PFOA/PFOS, TOTAL	11/22/2019	2.53	Y	Y				1.00	0.042	ug/kg
B-12 (3-4)	L1951248-03	PERFLUOROUNDECANOIC ACID (PFUNA)	11/22/2019		Y	N	U		U	1.00	0.047	ug/kg
B-12 (3-4)	L1951248-03	PERFLUOROBUTANESULFONIC ACID (PFBS)	11/22/2019		Y	N	U		U	1.00	0.039	ug/kg
B-12 (3-4)	L1951248-03	N-METHYL PERFLUOROOCTANESULFONAMIDO ACETIC ACID (NMEFOSAA)	11/22/2019		Y	N	U		U	1.00	0.202	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (3-4)	L1951248-03	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	11/22/2019		Y	N	U		U	1.00	0.180	ug/kg
B-12 (3-4)	L1951248-03	PERFLUOROHEXANESULFONIC ACID (PFHXS)	11/22/2019		Y	N	U	UJ	UJ	1.00	0.061	ug/kg
B-12 (3-4)	L1951248-03	PERFLUOROTRIDECANOIC ACID (PFTRDA)	11/22/2019		Y	N	U	UJ	UJ	1.00	0.205	ug/kg
B-12 (3-4)	L1951248-03	PERFLUOROTETRADECANOIC ACID (PFTA)	11/22/2019		Y	N	U		U	1.00	0.054	ug/kg
B-12 (3-4)	L1951248-03	PERFLUOROPENTANOIC ACID (PFPEA)	11/22/2019		Y	N	U		U	1.00	0.046	ug/kg
B-12 (3-4)	L1951248-03	N-ETHYL PERFLUOROOCTANESULFONAMIDO ACETIC ACID (NETFOSAA)	11/22/2019		Y	N	U		U	1.00	0.085	ug/kg
B-12 (3-4)	L1951248-03	PERFLUORODODECANOIC ACID (PFDOA)	11/22/2019		Y	N	U		U	1.00	0.070	ug/kg
B-12 (3-4)	L1951248-03	PERFLUOROOCTANESULFONIC ACID (PFOS)	11/22/2019	2.53	Y	Y		J	J	1.00	0.130	ug/kg
B-12 (3-4)	L1951248-03	PERFLUORODECANOIC ACID (PFDA)	11/22/2019		Y	N	U		U	1.00	0.067	ug/kg
B-12 (3-4)	L1951248-03	PERFLUOROOCTANOIC ACID (PFOA)	11/22/2019		Y	N	U		U	1.00	0.042	ug/kg
B-12 (3-4)	L1951248-03	PERFLUOROBUTANOIC ACID (PFBA)	11/22/2019		Y	N	U		U	1.00	0.023	ug/kg
B-12 (3-4)	L1951248-03	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	11/22/2019		Y	N	U		U	1.00	0.137	ug/kg
B-12 (3-4)	L1951248-03	PERFLUOROHEPTANOIC ACID (PFHPA)	11/22/2019		Y	N	U		U	1.00	0.045	ug/kg
B-12 (3-4)	L1951248-03	PERFLUOROHEXANOIC ACID (PFHXA)	11/22/2019		Y	N	U		U	1.00	0.053	ug/kg
B-12 (3-4)	L1951248-03	PERFLUORONONANOIC ACID (PFNA)	11/22/2019		Y	N	U		U	1.00	0.075	ug/kg
B-12 (3-4)	L1951248-03	PERFLUOROOCTANESULFONAMIDE (FOSA)	11/22/2019		Y	N	U		U	1.00	0.098	ug/kg
B-12 (3-4)	L1951248-03	PERFLUORODECANESULFONIC ACID (PFDS)	11/22/2019		Y	N	U		U	1.00	0.153	ug/kg
B-12 (8-9)	L1951248-04	N-ETHYL PERFLUOROOCTANESULFONAMIDO ACETIC ACID (NETFOSAA)	11/22/2019		Y	N	U		U	1.08	0.091	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (8-9)	L1951248-04	PERFLUORONONANOIC ACID (PFNA)	11/22/2019		Y	N	U		U	1.08	0.081	ug/kg
B-12 (8-9)	L1951248-04	PERFLUORODECANOIC ACID (PFDA)	11/22/2019		Y	N	U		U	1.08	0.072	ug/kg
B-12 (8-9)	L1951248-04	PERFLUOROHEXANOIC ACID (PFHXA)	11/22/2019		Y	N	U		U	1.08	0.057	ug/kg
B-12 (8-9)	L1951248-04	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	11/22/2019		Y	N	U		U	1.08	0.147	ug/kg
B-12 (8-9)	L1951248-04	PERFLUORODODECANOIC ACID (PFDOA)	11/22/2019		Y	N	U		U	1.08	0.075	ug/kg
B-12 (8-9)	L1951248-04	PERFLUORODECANESULFONIC ACID (PFDS)	11/22/2019		Y	N	U		U	1.08	0.165	ug/kg
B-12 (8-9)	L1951248-04	PERFLUOROBUTANOIC ACID (PFBA)	11/22/2019		Y	N	U		U	1.08	0.024	ug/kg
B-12 (8-9)	L1951248-04	PERFLUOROBUTANESULFONIC ACID (PFBS)	11/22/2019		Y	N	U		U	1.08	0.042	ug/kg
B-12 (8-9)	L1951248-04	PERFLUOROOCTANESULFONAMIDE (FOSA)	11/22/2019		Y	N	U		U	1.08	0.106	ug/kg
B-12 (8-9)	L1951248-04	PFOA/PFOS, TOTAL	11/22/2019	0.374	Y	Y	J		J	1.08	0.045	ug/kg
B-12 (8-9)	L1951248-04	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	11/22/2019		Y	N	U		U	1.08	0.193	ug/kg
B-12 (8-9)	L1951248-04	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	11/22/2019		Y	N	U		U	1.08	0.309	ug/kg
B-12 (8-9)	L1951248-04	PERFLUOROHEXANESULFONIC ACID (PFHXS)	11/22/2019		Y	N	U	UJ	UJ	1.08	0.065	ug/kg
B-12 (8-9)	L1951248-04	N-METHYL PERFLUOROOCTANESULFONAMIDO ACETIC ACID (NMEFOSAA)	11/22/2019		Y	N	U		U	1.08	0.217	ug/kg
B-12 (8-9)	L1951248-04	PERFLUOROPENTANOIC ACID (PFPEA)	11/22/2019		Y	N	U		U	1.08	0.050	ug/kg
B-12 (8-9)	L1951248-04	PERFLUOROTRIDECANOIC ACID (PFTRDA)	11/22/2019		Y	N	U	UJ	UJ	1.08	0.220	ug/kg
B-12 (8-9)	L1951248-04	PERFLUOROUNDECANOIC ACID (PFUNA)	11/22/2019		Y	N	U		U	1.08	0.050	ug/kg
B-12 (8-9)	L1951248-04	PERFLUOROHEPTANOIC ACID (PFHPA)	11/22/2019		Y	N	U		U	1.08	0.049	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (8-9)	L1951248-04	PERFLUOROTETRADECANOIC ACID (PFTA)	11/22/2019		Y	N	U		U	1.08	0.058	ug/kg
B-12 (8-9)	L1951248-04	PERFLUOROOCTANESULFONIC ACID (PFOS)	11/22/2019	0.374	Y	Y	J	J	J	1.08	0.140	ug/kg
B-12 (8-9)	L1951248-04	PERFLUOROOCTANOIC ACID (PFOA)	11/22/2019		Y	N	U		U	1.08	0.045	ug/kg
B-17 (1.5-2.5)	L1951248-06	PFOA/PFOS, TOTAL	11/22/2019	1.55	Y	Y	J		J	1.06	0.044	ug/kg
B-17 (1.5-2.5)	L1951248-06	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	11/22/2019	2.90	Y	Y				1.06	0.190	ug/kg
B-17 (1.5-2.5)	L1951248-06	N-ETHYL PERFLUOROOCTANESULFONAMIDO ACETIC ACID (NETFOSAA)	11/22/2019	7.07	Y	Y		J	J	1.06	0.089	ug/kg
B-17 (1.5-2.5)	L1951248-06	PERFLUOROOCTANESULFONAMIDE (FOSA)	11/22/2019	5.00	Y	Y				1.06	0.104	ug/kg
B-17 (1.5-2.5)	L1951248-06	PERFLUOROOCTANESULFONIC ACID (PFOS)	11/22/2019	1.33	Y	Y		J	J	1.06	0.138	ug/kg
B-17 (1.5-2.5)	L1951248-06	PERFLUORODECANESULFONIC ACID (PFDS)	11/22/2019		Y	N	U		U	1.06	0.162	ug/kg
B-17 (1.5-2.5)	L1951248-06	PERFLUORODECANOIC ACID (PFDA)	11/22/2019		Y	N	U		U	1.06	0.071	ug/kg
B-17 (1.5-2.5)	L1951248-06	PERFLUOROTRIDECANOIC ACID (PFTRDA)	11/22/2019		Y	N	U	UJ	UJ	1.06	0.216	ug/kg
B-17 (1.5-2.5)	L1951248-06	PERFLUOROBUTANOIC ACID (PFBA)	11/22/2019		Y	N	U	UJ	UJ	1.06	0.024	ug/kg
B-17 (1.5-2.5)	L1951248-06	PERFLUOROHEXANESULFONIC ACID (PFHXS)	11/22/2019		Y	N	U	UJ	UJ	1.06	0.064	ug/kg
B-17 (1.5-2.5)	L1951248-06	PERFLUOROBUTANESULFONIC ACID (PFBS)	11/22/2019	0.052	Y	Y	J		J	1.06	0.041	ug/kg
B-17 (1.5-2.5)	L1951248-06	PERFLUOROHEXANOIC ACID (PFHXA)	11/22/2019	0.072	Y	Y	J	J	J	1.06	0.056	ug/kg
B-17 (1.5-2.5)	L1951248-06	PERFLUORODODECANOIC ACID (PFDOA)	11/22/2019		Y	N	U		U	1.06	0.074	ug/kg
B-17 (1.5-2.5)	L1951248-06	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	11/22/2019		Y	N	U		U	1.06	0.144	ug/kg
B-17 (1.5-2.5)	L1951248-06	PERFLUOROPENTANOIC ACID (PFPEA)	11/22/2019		Y	N	U	UJ	UJ	1.06	0.049	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-17 (1.5-2.5)	L1951248-06	PERFLUOROUNDECANOIC ACID (PFUNA)	11/22/2019		Y	N	U		U	1.06	0.050	ug/kg
B-17 (1.5-2.5)	L1951248-06	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	11/22/2019		Y	N	U		U	1.06	0.304	ug/kg
B-17 (1.5-2.5)	L1951248-06	PERFLUOROHEPTANOIC ACID (PFHPA)	11/22/2019		Y	N	U	UJ	UJ	1.06	0.048	ug/kg
B-17 (1.5-2.5)	L1951248-06	PERFLUOROTETRADECANOIC ACID (PFTA)	11/22/2019		Y	N	U		U	1.06	0.057	ug/kg
B-17 (1.5-2.5)	L1951248-06	PERFLUOROOCTANOIC ACID (PFOA)	11/22/2019	0.222	Y	Y	J	J	J	1.06	0.044	ug/kg
B-17 (1.5-2.5)	L1951248-06	PERFLUORONONANOIC ACID (PFNA)	11/22/2019		Y	N	U		U	1.06	0.079	ug/kg
B-17 (1.5-2.5)	L1951248-06	N-METHYL PERFLUOROOCTANESULFONAMIDO ACETIC ACID (NMEFOSAA)	11/22/2019		Y	N	U	UJ	UJ	1.06	0.213	ug/kg
B-18 (2-3)	L1951248-05	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	11/22/2019		Y	N	U		U	1.10	0.315	ug/kg
B-18 (2-3)	L1951248-05	PERFLUOROUNDECANOIC ACID (PFUNA)	11/22/2019		Y	N	U		U	1.10	0.051	ug/kg
B-18 (2-3)	L1951248-05	PERFLUOROTETRADECANOIC ACID (PFTA)	11/22/2019		Y	N	U		U	1.10	0.059	ug/kg
B-18 (2-3)	L1951248-05	N-ETHYL PERFLUOROOCTANESULFONAMIDO ACETIC ACID (NETFOSAA)	11/22/2019		Y	N	U		U	1.10	0.093	ug/kg
B-18 (2-3)	L1951248-05	PERFLUOROOCTANOIC ACID (PFOA)	11/22/2019		Y	N	U		U	1.10	0.046	ug/kg
B-18 (2-3)	L1951248-05	PERFLUOROOCTANESULFONAMIDE (FOSA)	11/22/2019		Y	N	U		U	1.10	0.108	ug/kg
B-18 (2-3)	L1951248-05	PERFLUORONONANOIC ACID (PFNA)	11/22/2019		Y	N	U		U	1.10	0.082	ug/kg
B-18 (2-3)	L1951248-05	PERFLUOROHEXANOIC ACID (PFHXA)	11/22/2019		Y	N	U		U	1.10	0.058	ug/kg
B-18 (2-3)	L1951248-05	PERFLUOROHEPTANOIC ACID (PFHPA)	11/22/2019		Y	N	U		U	1.10	0.050	ug/kg
B-18 (2-3)	L1951248-05	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	11/22/2019		Y	N	U		U	1.10	0.150	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-18 (2-3)	L1951248-05	PERFLUORODODECANOIC ACID (PFDOA)	11/22/2019		Y	N	U		U	1.10	0.077	ug/kg
B-18 (2-3)	L1951248-05	PERFLUORODECANOIC ACID (PFDA)	11/22/2019		Y	N	U		U	1.10	0.074	ug/kg
B-18 (2-3)	L1951248-05	PERFLUORODECANESULFONIC ACID (PFDS)	11/22/2019		Y	N	U		U	1.10	0.168	ug/kg
B-18 (2-3)	L1951248-05	PERFLUOROBUTANOIC ACID (PFBA)	11/22/2019		Y	N	U		U	1.10	0.025	ug/kg
B-18 (2-3)	L1951248-05	PERFLUOROBUTANESULFONIC ACID (PFBS)	11/22/2019		Y	N	U		U	1.10	0.043	ug/kg
B-18 (2-3)	L1951248-05	PERFLUOROPENTANOIC ACID (PFPEA)	11/22/2019		Y	N	U		U	1.10	0.051	ug/kg
B-18 (2-3)	L1951248-05	N-METHYL PERFLUOROOCTANESULFONAMIDO ACETIC ACID (NMEFOSAA)	11/22/2019		Y	N	U		U	1.10	0.221	ug/kg
B-18 (2-3)	L1951248-05	PERFLUOROOCTANESULFONIC ACID (PFOS)	11/22/2019	4.85	Y	Y		J	J	1.10	0.143	ug/kg
B-18 (2-3)	L1951248-05	PFOA/PFOS, TOTAL	11/22/2019	4.85	Y	Y				1.10	0.046	ug/kg
B-18 (2-3)	L1951248-05	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	11/22/2019		Y	N	U		U	1.10	0.197	ug/kg
B-18 (2-3)	L1951248-05	PERFLUOROTRIDECANOIC ACID (PFTRDA)	11/22/2019		Y	N	U	UJ	UJ	1.10	0.224	ug/kg
B-18 (2-3)	L1951248-05	PERFLUOROHEXANESULFONIC ACID (PFHXS)	11/22/2019		Y	N	U	UJ	UJ	1.10	0.066	ug/kg
B-19 (4-5)	L1951248-01	N-METHYL PERFLUOROOCTANESULFONAMIDO ACETIC ACID (NMEFOSAA)	11/22/2019		Y	N	U		U	1.25	0.252	ug/kg
B-19 (4-5)	L1951248-01	PERFLUOROOCTANOIC ACID (PFOA)	11/22/2019	0.205	Y	Y	J		J	1.25	0.053	ug/kg
B-19 (4-5)	L1951248-01	PERFLUOROHEXANOIC ACID (PFHXA)	11/22/2019	0.086	Y	Y	J		J	1.25	0.066	ug/kg
B-19 (4-5)	L1951248-01	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	11/22/2019	0.615	Y	Y	J		J	1.25	0.171	ug/kg
B-19 (4-5)	L1951248-01	PERFLUOROBUTANESULFONIC ACID (PFBS)	11/22/2019	0.120	Y	Y	J		J	1.25	0.049	ug/kg
B-19 (4-5)	L1951248-01	PFOA/PFOS, TOTAL	11/22/2019	22.0	Y	Y	J		J	1.25	0.053	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-19 (4-5)	L1951248-01	N-ETHYL PERFLUOROOCTANESULFONAMIDO ACETIC ACID (NETFOSAA)	11/22/2019	0.589	Y	Y	J		J	1.25	0.106	ug/kg
B-19 (4-5)	L1951248-01	PERFLUOROOCTANESULFONIC ACID (PFOS)	11/22/2019	21.8	Y	Y		J	J	1.25	0.163	ug/kg
B-19 (4-5)	L1951248-01	PERFLUOROUNDECANOIC ACID (PFUNA)	11/22/2019		Y	N	U		U	1.25	0.059	ug/kg
B-19 (4-5)	L1951248-01	PERFLUOROBUTANOIC ACID (PFBA)	11/22/2019		Y	N	U		U	1.25	0.028	ug/kg
B-19 (4-5)	L1951248-01	PERFLUOROHEPTANOIC ACID (PFHPA)	11/22/2019		Y	N	U		U	1.25	0.057	ug/kg
B-19 (4-5)	L1951248-01	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	11/22/2019		Y	N	U	UJ	UJ	1.25	0.225	ug/kg
B-19 (4-5)	L1951248-01	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	11/22/2019		Y	N	U		U	1.25	0.359	ug/kg
B-19 (4-5)	L1951248-01	PERFLUORODECANOIC ACID (PFDA)	11/22/2019		Y	N	U		U	1.25	0.084	ug/kg
B-19 (4-5)	L1951248-01	PERFLUORODODECANOIC ACID (PFDOA)	11/22/2019		Y	N	U	UJ	UJ	1.25	0.088	ug/kg
B-19 (4-5)	L1951248-01	PERFLUOROOCTANESULFONAMIDE (FOSA)	11/22/2019	0.703	Y	Y	J		J	1.25	0.123	ug/kg
B-19 (4-5)	L1951248-01	PERFLUOROTETRADECANOIC ACID (PFTA)	11/22/2019		Y	N	U		U	1.25	0.068	ug/kg
B-19 (4-5)	L1951248-01	PERFLUOROPENTANOIC ACID (PFPEA)	11/22/2019		Y	N	U		U	1.25	0.058	ug/kg
B-19 (4-5)	L1951248-01	PERFLUORONONANOIC ACID (PFNA)	11/22/2019		Y	N	U		U	1.25	0.094	ug/kg
B-19 (4-5)	L1951248-01	PERFLUORODECANESULFONIC ACID (PFDS)	11/22/2019		Y	N	U		U	1.25	0.192	ug/kg
B-19 (4-5)	L1951248-01	PERFLUOROTRIDECANOIC ACID (PFTRDA)	11/22/2019		Y	N	U	UJ	UJ	1.25	0.256	ug/kg
B-19 (4-5)	L1951248-01	PERFLUOROHEXANESULFONIC ACID (PFHXS)	11/22/2019	1.24	Y	Y	J	J	J	1.25	0.076	ug/kg
B-19 (5.5-6.5)	L1951248-02	PERFLUOROHEXANESULFONIC ACID (PFHXS)	11/22/2019		Y	N	U	UJ	UJ	1.08	0.065	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-19 (5.5-6.5)	L1951248-02	PERFLUOROTRIDECANOIC ACID (PFTRDA)	11/22/2019		Y	N	U	UJ	UJ	1.08	0.220	ug/kg
B-19 (5.5-6.5)	L1951248-02	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	11/22/2019		Y	N	U		U	1.08	0.147	ug/kg
B-19 (5.5-6.5)	L1951248-02	PERFLUOROHEPTANOIC ACID (PFHPA)	11/22/2019		Y	N	U		U	1.08	0.049	ug/kg
B-19 (5.5-6.5)	L1951248-02	PERFLUOROOCTANESULFONIC ACID (PFOS)	11/22/2019	0.257	Y	Y	J	J	J	1.08	0.140	ug/kg
B-19 (5.5-6.5)	L1951248-02	PERFLUOROHEXANOIC ACID (PFHXA)	11/22/2019		Y	N	U		U	1.08	0.057	ug/kg
B-19 (5.5-6.5)	L1951248-02	PERFLUORONONANOIC ACID (PFNA)	11/22/2019		Y	N	U		U	1.08	0.081	ug/kg
B-19 (5.5-6.5)	L1951248-02	PFOA/PFOS, TOTAL	11/22/2019	0.257	Y	Y	J		J	1.08	0.045	ug/kg
B-19 (5.5-6.5)	L1951248-02	PERFLUOROOCTANESULFONAMIDE (FOSA)	11/22/2019		Y	N	U		U	1.08	0.106	ug/kg
B-19 (5.5-6.5)	L1951248-02	PERFLUOROOCTANOIC ACID (PFOA)	11/22/2019		Y	N	U		U	1.08	0.045	ug/kg
B-19 (5.5-6.5)	L1951248-02	PERFLUOROPENTANOIC ACID (PFPEA)	11/22/2019		Y	N	U		U	1.08	0.050	ug/kg
B-19 (5.5-6.5)	L1951248-02	PERFLUOROTETRADECANOIC ACID (PFTA)	11/22/2019		Y	N	U		U	1.08	0.058	ug/kg
B-19 (5.5-6.5)	L1951248-02	PERFLUORODECANESULFONIC ACID (PFDS)	11/22/2019		Y	N	U		U	1.08	0.165	ug/kg
B-19 (5.5-6.5)	L1951248-02	PERFLUORODODECANOIC ACID (PFDOA)	11/22/2019		Y	N	U		U	1.08	0.076	ug/kg
B-19 (5.5-6.5)	L1951248-02	PERFLUORODECANOIC ACID (PFDA)	11/22/2019		Y	N	U		U	1.08	0.072	ug/kg
B-19 (5.5-6.5)	L1951248-02	PERFLUOROUNDECANOIC ACID (PFUNA)	11/22/2019		Y	N	U		U	1.08	0.051	ug/kg
B-19 (5.5-6.5)	L1951248-02	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	11/22/2019		Y	N	U		U	1.08	0.310	ug/kg
B-19 (5.5-6.5)	L1951248-02	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	11/22/2019		Y	N	U		U	1.08	0.194	ug/kg
B-19 (5.5-6.5)	L1951248-02	PERFLUOROBUTANOIC ACID (PFBA)	11/22/2019		Y	N	U		U	1.08	0.025	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-19 (5.5-6.5)	L1951248-02	N-ETHYL PERFLUOROOCTANESULFONAMIDO ACETIC ACID (NETFOSAA)	11/22/2019		Y	N	U		U	1.08	0.091	ug/kg
B-19 (5.5-6.5)	L1951248-02	PERFLUOROBUTANESULFONIC ACID (PFBS)	11/22/2019		Y	N	U		U	1.08	0.042	ug/kg
B-19 (5.5-6.5)	L1951248-02	N-METHYL PERFLUOROOCTANESULFONAMIDO ACETIC ACID (NMEFOSAA)	11/22/2019		Y	N	U		U	1.08	0.217	ug/kg

Analytical Method SW7471B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (3-4)	L1951248-03	MERCURY, TOTAL	10/31/2019		Y	N	U		U	0.071	0.046	mg/kg
B-12 (8-9)	L1951248-04	MERCURY, TOTAL	10/31/2019		Y	N	U		U	0.073	0.048	mg/kg
B-17 (1.5-2.5)	L1951248-06	MERCURY, TOTAL	10/31/2019		Y	N	U		U	0.070	0.045	mg/kg
B-18 (2-3)	L1951248-05	MERCURY, TOTAL	10/31/2019	0.555	Y	Y		J	J	0.070	0.046	mg/kg
B-19 (4-5)	L1951248-01	MERCURY, TOTAL	10/31/2019	0.053	Y	Y	J	J	J	0.080	0.052	mg/kg
B-19 (5.5-6.5)	L1951248-02	MERCURY, TOTAL	10/31/2019	0.208	Y	Y		J	J	0.071	0.046	mg/kg
WC-B2 (0-5) COMP	L1951248-07	MERCURY, TOTAL	10/31/2019	0.092	Y	Y		J	J	0.072	0.047	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	MERCURY, TOTAL	10/31/2019		Y	N	U		U	0.068	0.044	mg/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (3-4)	L1951248-03	METHOXYCHLOR	10/31/2019		Y	N	U	UJ	UJ	3.26	1.01	ug/kg
B-12 (3-4)	L1951248-03	DIELDRIN	10/31/2019		Y	N	U		U	1.09	0.543	ug/kg
B-12 (3-4)	L1951248-03	DELTA-BHC	10/31/2019		Y	N	U		U	1.74	0.340	ug/kg
B-12 (3-4)	L1951248-03	BETA-BHC	10/31/2019		Y	N	U		U	1.74	0.659	ug/kg
B-12 (3-4)	L1951248-03	ALDRIN	10/31/2019		Y	N	U		U	1.74	0.612	ug/kg
B-12 (3-4)	L1951248-03	TRANS-CHLORDANE	10/31/2019		Y	N	U		U	2.17	0.574	ug/kg
B-12 (3-4)	L1951248-03	4,4'-DDD	10/31/2019		Y	N	U		U	1.74	0.620	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (3-4)	L1951248-03	TOXAPHENE	10/31/2019		Y	N	U		U	32.6	9.13	ug/kg
B-12 (3-4)	L1951248-03	CIS-CHLORDANE	10/31/2019		Y	N	U		U	2.17	0.606	ug/kg
B-12 (3-4)	L1951248-03	CHLORDANE	10/31/2019		Y	N	U		U	14.1	5.76	ug/kg
B-12 (3-4)	L1951248-03	4,4'-DDE	10/31/2019		Y	N	U		U	1.74	0.402	ug/kg
B-12 (3-4)	L1951248-03	4,4'-DDT	10/31/2019		Y	N	U		U	3.26	1.40	ug/kg
B-12 (3-4)	L1951248-03	HEPTACHLOR EPOXIDE	10/31/2019		Y	N	U		U	3.26	0.978	ug/kg
B-12 (3-4)	L1951248-03	ENDOSULFAN I	10/31/2019		Y	N	U		U	1.74	0.411	ug/kg
B-12 (3-4)	L1951248-03	ENDOSULFAN II	10/31/2019		Y	N	U		U	1.74	0.581	ug/kg
B-12 (3-4)	L1951248-03	ENDOSULFAN SULFATE	10/31/2019		Y	N	U		U	0.725	0.345	ug/kg
B-12 (3-4)	L1951248-03	ENDRIN	10/31/2019		Y	N	U		U	0.725	0.297	ug/kg
B-12 (3-4)	L1951248-03	ENDRIN ALDEHYDE	10/31/2019		Y	N	U		U	2.17	0.761	ug/kg
B-12 (3-4)	L1951248-03	ENDRIN KETONE	10/31/2019		Y	N	U		U	1.74	0.448	ug/kg
B-12 (3-4)	L1951248-03	HEPTACHLOR	10/31/2019		Y	N	U		U	0.870	0.390	ug/kg
B-12 (3-4)	L1951248-03	ALPHA-BHC	10/31/2019		Y	N	U		U	0.725	0.206	ug/kg
B-12 (3-4)	L1951248-03	LINDANE	10/31/2019		Y	N	U		U	0.725	0.324	ug/kg
B-12 (8-9)	L1951248-04	ENDRIN KETONE	10/31/2019		Y	N	U		U	1.75	0.452	ug/kg
B-12 (8-9)	L1951248-04	ALDRIN	10/31/2019		Y	N	U		U	1.75	0.617	ug/kg
B-12 (8-9)	L1951248-04	ALPHA-BHC	10/31/2019		Y	N	U		U	0.731	0.208	ug/kg
B-12 (8-9)	L1951248-04	BETA-BHC	10/31/2019		Y	N	U		U	1.75	0.665	ug/kg
B-12 (8-9)	L1951248-04	ENDRIN	10/31/2019		Y	N	U		U	0.731	0.300	ug/kg
B-12 (8-9)	L1951248-04	ENDOSULFAN SULFATE	10/31/2019		Y	N	U		U	0.731	0.348	ug/kg
B-12 (8-9)	L1951248-04	HEPTACHLOR	10/31/2019		Y	N	U		U	0.877	0.393	ug/kg
B-12 (8-9)	L1951248-04	ENDOSULFAN I	10/31/2019		Y	N	U		U	1.75	0.414	ug/kg
B-12 (8-9)	L1951248-04	TRANS-CHLORDANE	10/31/2019		Y	N	U		U	2.19	0.579	ug/kg
B-12 (8-9)	L1951248-04	DIELDRIN	10/31/2019		Y	N	U		U	1.10	0.548	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (8-9)	L1951248-04	DELTA-BHC	10/31/2019		Y	N	U		U	1.75	0.343	ug/kg
B-12 (8-9)	L1951248-04	ENDOSULFAN II	10/31/2019		Y	N	U		U	1.75	0.586	ug/kg
B-12 (8-9)	L1951248-04	HEPTACHLOR EPOXIDE	10/31/2019		Y	N	U		U	3.29	0.986	ug/kg
B-12 (8-9)	L1951248-04	LINDANE	10/31/2019		Y	N	U		U	0.731	0.327	ug/kg
B-12 (8-9)	L1951248-04	METHOXYCHLOR	10/31/2019		Y	N	U	UJ	UJ	3.29	1.02	ug/kg
B-12 (8-9)	L1951248-04	CHLORDANE	10/31/2019		Y	N	U		U	14.2	5.81	ug/kg
B-12 (8-9)	L1951248-04	CIS-CHLORDANE	10/31/2019		Y	N	U		U	2.19	0.611	ug/kg
B-12 (8-9)	L1951248-04	ENDRIN ALDEHYDE	10/31/2019		Y	N	U		U	2.19	0.767	ug/kg
B-12 (8-9)	L1951248-04	4,4'-DDT	10/31/2019		Y	N	U		U	3.29	1.41	ug/kg
B-12 (8-9)	L1951248-04	4,4'-DDE	10/31/2019		Y	N	U		U	1.75	0.406	ug/kg
B-12 (8-9)	L1951248-04	4,4'-DDD	10/31/2019		Y	N	U		U	1.75	0.625	ug/kg
B-12 (8-9)	L1951248-04	TOXAPHENE	10/31/2019		Y	N	U		U	32.9	9.21	ug/kg
B-17 (1.5-2.5)	L1951248-06	HEPTACHLOR EPOXIDE	10/31/2019		Y	N	U		U	3.18	0.953	ug/kg
B-17 (1.5-2.5)	L1951248-06	TRANS-CHLORDANE	10/31/2019		Y	N	U		U	2.12	0.559	ug/kg
B-17 (1.5-2.5)	L1951248-06	CIS-CHLORDANE	10/31/2019		Y	N	U		U	2.12	0.590	ug/kg
B-17 (1.5-2.5)	L1951248-06	DIELDRIN	10/31/2019		Y	N	U		U	1.06	0.530	ug/kg
B-17 (1.5-2.5)	L1951248-06	4,4'-DDE	10/31/2019		Y	N	U		U	1.69	0.392	ug/kg
B-17 (1.5-2.5)	L1951248-06	4,4'-DDT	10/31/2019		Y	N	U		U	3.18	1.36	ug/kg
B-17 (1.5-2.5)	L1951248-06	METHOXYCHLOR	10/31/2019		Y	N	U		U	3.18	0.989	ug/kg
B-17 (1.5-2.5)	L1951248-06	ALDRIN	10/31/2019		Y	N	U		U	1.69	0.597	ug/kg
B-17 (1.5-2.5)	L1951248-06	ALPHA-BHC	10/31/2019		Y	N	U		U	0.706	0.200	ug/kg
B-17 (1.5-2.5)	L1951248-06	BETA-BHC	10/31/2019		Y	N	U		U	1.69	0.643	ug/kg
B-17 (1.5-2.5)	L1951248-06	HEPTACHLOR	10/31/2019		Y	N	U		U	0.847	0.380	ug/kg
B-17 (1.5-2.5)	L1951248-06	DELTA-BHC	10/31/2019		Y	N	U		U	1.69	0.332	ug/kg
B-17 (1.5-2.5)	L1951248-06	ENDRIN KETONE	10/31/2019		Y	N	U		U	1.69	0.436	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-17 (1.5-2.5)	L1951248-06	TOXAPHENE	10/31/2019		Y	N	U		U	31.8	8.90	ug/kg
B-17 (1.5-2.5)	L1951248-06	ENDOSULFAN I	10/31/2019		Y	N	U		U	1.69	0.400	ug/kg
B-17 (1.5-2.5)	L1951248-06	ENDOSULFAN II	10/31/2019		Y	N	U		U	1.69	0.566	ug/kg
B-17 (1.5-2.5)	L1951248-06	ENDOSULFAN SULFATE	10/31/2019		Y	N	U		U	0.706	0.336	ug/kg
B-17 (1.5-2.5)	L1951248-06	ENDRIN	10/31/2019		Y	N	U		U	0.706	0.290	ug/kg
B-17 (1.5-2.5)	L1951248-06	ENDRIN ALDEHYDE	10/31/2019		Y	N	U		U	2.12	0.741	ug/kg
B-17 (1.5-2.5)	L1951248-06	4,4'-DDD	10/31/2019		Y	N	U		U	1.69	0.604	ug/kg
B-17 (1.5-2.5)	L1951248-06	CHLORDANE	10/31/2019		Y	N	U		U	13.8	5.61	ug/kg
B-17 (1.5-2.5)	L1951248-06	LINDANE	10/31/2019		Y	N	U		U	0.706	0.316	ug/kg
B-18 (2-3)	L1951248-05	ENDOSULFAN II	10/31/2019		Y	N	U		U	1.70	0.570	ug/kg
B-18 (2-3)	L1951248-05	HEPTACHLOR EPOXIDE	10/31/2019		Y	N	U		U	3.20	0.960	ug/kg
B-18 (2-3)	L1951248-05	HEPTACHLOR	10/31/2019		Y	N	U		U	0.853	0.382	ug/kg
B-18 (2-3)	L1951248-05	ENDRIN KETONE	10/31/2019		Y	N	U		U	1.70	0.439	ug/kg
B-18 (2-3)	L1951248-05	4,4'-DDD	10/31/2019		Y	N	U		U	1.70	0.608	ug/kg
B-18 (2-3)	L1951248-05	4,4'-DDE	10/31/2019		Y	N	U		U	1.70	0.394	ug/kg
B-18 (2-3)	L1951248-05	ENDRIN ALDEHYDE	10/31/2019		Y	N	U		U	2.13	0.746	ug/kg
B-18 (2-3)	L1951248-05	LINDANE	10/31/2019		Y	N	U		U	0.711	0.318	ug/kg
B-18 (2-3)	L1951248-05	ENDOSULFAN SULFATE	10/31/2019		Y	N	U		U	0.711	0.338	ug/kg
B-18 (2-3)	L1951248-05	ENDOSULFAN I	10/31/2019		Y	N	U		U	1.70	0.403	ug/kg
B-18 (2-3)	L1951248-05	DIELDRIN	10/31/2019		Y	N	U		U	1.07	0.533	ug/kg
B-18 (2-3)	L1951248-05	METHOXYCHLOR	10/31/2019		Y	N	U	UJ	UJ	3.20	0.995	ug/kg
B-18 (2-3)	L1951248-05	4,4'-DDT	10/31/2019		Y	N	U		U	3.20	1.37	ug/kg
B-18 (2-3)	L1951248-05	ALDRIN	10/31/2019		Y	N	U		U	1.70	0.600	ug/kg
B-18 (2-3)	L1951248-05	ALPHA-BHC	10/31/2019		Y	N	U		U	0.711	0.202	ug/kg
B-18 (2-3)	L1951248-05	BETA-BHC	10/31/2019		Y	N	U		U	1.70	0.647	ug/kg

SDG: L1951248

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-18 (2-3)	L1951248-05	CHLORDANE	10/31/2019		Y	N	U		U	13.8	5.65	ug/kg
B-18 (2-3)	L1951248-05	DELTA-BHC	10/31/2019		Y	N	U		U	1.70	0.334	ug/kg
B-18 (2-3)	L1951248-05	ENDRIN	10/31/2019		Y	N	U		U	0.711	0.291	ug/kg
B-18 (2-3)	L1951248-05	TOXAPHENE	10/31/2019		Y	N	U		U	32.0	8.96	ug/kg
B-18 (2-3)	L1951248-05	CIS-CHLORDANE	10/31/2019		Y	N	U		U	2.13	0.594	ug/kg
B-18 (2-3)	L1951248-05	TRANS-CHLORDANE	10/31/2019		Y	N	U		U	2.13	0.563	ug/kg
B-19 (4-5)	L1951248-01	ALDRIN	10/31/2019		Y	N	U		U	1.95	0.687	ug/kg
B-19 (4-5)	L1951248-01	METHOXYCHLOR	10/31/2019		Y	N	U	UJ	UJ	3.66	1.14	ug/kg
B-19 (4-5)	L1951248-01	TOXAPHENE	10/31/2019		Y	N	U		U	36.6	10.2	ug/kg
B-19 (4-5)	L1951248-01	CIS-CHLORDANE	10/31/2019		Y	N	U		U	2.44	0.680	ug/kg
B-19 (4-5)	L1951248-01	TRANS-CHLORDANE	10/31/2019		Y	N	U		U	2.44	0.644	ug/kg
B-19 (4-5)	L1951248-01	4,4'-DDD	10/31/2019		Y	N	U		U	1.95	0.696	ug/kg
B-19 (4-5)	L1951248-01	4,4'-DDE	10/31/2019		Y	N	U		U	1.95	0.451	ug/kg
B-19 (4-5)	L1951248-01	LINDANE	10/31/2019		Y	N	U		U	0.813	0.364	ug/kg
B-19 (4-5)	L1951248-01	4,4'-DDT	10/31/2019		Y	N	U		U	3.66	1.57	ug/kg
B-19 (4-5)	L1951248-01	HEPTACHLOR EPOXIDE	10/31/2019		Y	N	U		U	3.66	1.10	ug/kg
B-19 (4-5)	L1951248-01	ALPHA-BHC	10/31/2019		Y	N	U		U	0.813	0.231	ug/kg
B-19 (4-5)	L1951248-01	BETA-BHC	10/31/2019		Y	N	U		U	1.95	0.740	ug/kg
B-19 (4-5)	L1951248-01	ENDOSULFAN II	10/31/2019		Y	N	U		U	1.95	0.652	ug/kg
B-19 (4-5)	L1951248-01	ENDOSULFAN I	10/31/2019		Y	N	U		U	1.95	0.461	ug/kg
B-19 (4-5)	L1951248-01	DIELDRIN	10/31/2019		Y	N	U		U	1.22	0.610	ug/kg
B-19 (4-5)	L1951248-01	CHLORDANE	10/31/2019		Y	N	U		U	15.9	6.47	ug/kg
B-19 (4-5)	L1951248-01	ENDOSULFAN SULFATE	10/31/2019		Y	N	U		U	0.813	0.387	ug/kg
B-19 (4-5)	L1951248-01	ENDRIN	10/31/2019		Y	N	U		U	0.813	0.334	ug/kg
B-19 (4-5)	L1951248-01	ENDRIN ALDEHYDE	10/31/2019		Y	N	U		U	2.44	0.854	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-19 (4-5)	L1951248-01	ENDRIN KETONE	10/31/2019		Y	N	U		U	1.95	0.503	ug/kg
B-19 (4-5)	L1951248-01	HEPTACHLOR	10/31/2019		Y	N	U		U	0.976	0.438	ug/kg
B-19 (4-5)	L1951248-01	DELTA-BHC	10/31/2019		Y	N	U		U	1.95	0.382	ug/kg
B-19 (5.5-6.5)	L1951248-02	ALDRIN	10/31/2019		Y	N	U		U	1.74	0.612	ug/kg
B-19 (5.5-6.5)	L1951248-02	ALPHA-BHC	10/31/2019		Y	N	U		U	0.725	0.206	ug/kg
B-19 (5.5-6.5)	L1951248-02	4,4'-DDT	10/31/2019		Y	N	U		U	3.26	1.40	ug/kg
B-19 (5.5-6.5)	L1951248-02	ENDOSULFAN I	10/31/2019		Y	N	U		U	1.74	0.411	ug/kg
B-19 (5.5-6.5)	L1951248-02	BETA-BHC	10/31/2019		Y	N	U		U	1.74	0.660	ug/kg
B-19 (5.5-6.5)	L1951248-02	CHLORDANE	10/31/2019		Y	N	U		U	14.1	5.76	ug/kg
B-19 (5.5-6.5)	L1951248-02	DELTA-BHC	10/31/2019		Y	N	U		U	1.74	0.341	ug/kg
B-19 (5.5-6.5)	L1951248-02	DIELDRIN	10/31/2019		Y	N	U		U	1.09	0.544	ug/kg
B-19 (5.5-6.5)	L1951248-02	ENDOSULFAN II	10/31/2019		Y	N	U		U	1.74	0.581	ug/kg
B-19 (5.5-6.5)	L1951248-02	ENDRIN KETONE	10/31/2019		Y	N	U		U	1.74	0.448	ug/kg
B-19 (5.5-6.5)	L1951248-02	ENDRIN	10/31/2019		Y	N	U		U	0.725	0.297	ug/kg
B-19 (5.5-6.5)	L1951248-02	4,4'-DDE	10/31/2019		Y	N	U		U	1.74	0.402	ug/kg
B-19 (5.5-6.5)	L1951248-02	ENDRIN ALDEHYDE	10/31/2019		Y	N	U		U	2.17	0.761	ug/kg
B-19 (5.5-6.5)	L1951248-02	HEPTACHLOR	10/31/2019		Y	N	U		U	0.870	0.390	ug/kg
B-19 (5.5-6.5)	L1951248-02	HEPTACHLOR EPOXIDE	10/31/2019		Y	N	U		U	3.26	0.978	ug/kg
B-19 (5.5-6.5)	L1951248-02	LINDANE	10/31/2019		Y	N	U		U	0.725	0.324	ug/kg
B-19 (5.5-6.5)	L1951248-02	METHOXYCHLOR	10/31/2019		Y	N	U	UJ	UJ	3.26	1.01	ug/kg
B-19 (5.5-6.5)	L1951248-02	TOXAPHENE	10/31/2019		Y	N	U		U	32.6	9.13	ug/kg
B-19 (5.5-6.5)	L1951248-02	TRANS-CHLORDANE	10/31/2019		Y	N	U		U	2.17	0.574	ug/kg
B-19 (5.5-6.5)	L1951248-02	CIS-CHLORDANE	10/31/2019		Y	N	U		U	2.17	0.606	ug/kg
B-19 (5.5-6.5)	L1951248-02	ENDOSULFAN SULFATE	10/31/2019		Y	N	U		U	0.725	0.345	ug/kg
B-19 (5.5-6.5)	L1951248-02	4,4'-DDD	10/31/2019		Y	N	U		U	1.74	0.620	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B2 (0-5) COMP	L1951248-07	CIS-CHLORDANE	10/31/2019		Y	N	U		U	2.24	0.623	ug/kg
WC-B2 (0-5) COMP	L1951248-07	TOXAPHENE	10/31/2019		Y	N	U		U	33.6	9.40	ug/kg
WC-B2 (0-5) COMP	L1951248-07	METHOXYCHLOR	10/31/2019		Y	N	U	UJ	UJ	3.36	1.04	ug/kg
WC-B2 (0-5) COMP	L1951248-07	LINDANE	10/31/2019		Y	N	U		U	0.746	0.333	ug/kg
WC-B2 (0-5) COMP	L1951248-07	HEPTACHLOR EPOXIDE	10/31/2019		Y	N	U		U	3.36	1.01	ug/kg
WC-B2 (0-5) COMP	L1951248-07	HEPTACHLOR	10/31/2019		Y	N	U		U	0.895	0.401	ug/kg
WC-B2 (0-5) COMP	L1951248-07	ENDRIN KETONE	10/31/2019		Y	N	U		U	1.79	0.461	ug/kg
WC-B2 (0-5) COMP	L1951248-07	ENDRIN ALDEHYDE	10/31/2019		Y	N	U		U	2.24	0.783	ug/kg
WC-B2 (0-5) COMP	L1951248-07	TRANS-CHLORDANE	10/31/2019		Y	N	U		U	2.24	0.590	ug/kg
WC-B2 (0-5) COMP	L1951248-07	ENDOSULFAN I	10/31/2019		Y	N	U		U	1.79	0.423	ug/kg
WC-B2 (0-5) COMP	L1951248-07	ENDRIN	10/31/2019		Y	N	U		U	0.746	0.306	ug/kg
WC-B2 (0-5) COMP	L1951248-07	DIELDRIN	10/31/2019		Y	N	U		U	1.12	0.559	ug/kg
WC-B2 (0-5) COMP	L1951248-07	DELTA-BHC	10/31/2019		Y	N	U		U	1.79	0.350	ug/kg
WC-B2 (0-5) COMP	L1951248-07	CHLORDANE	10/31/2019		Y	N	U		U	14.5	5.93	ug/kg
WC-B2 (0-5) COMP	L1951248-07	BETA-BHC	10/31/2019		Y	N	U		U	1.79	0.678	ug/kg
WC-B2 (0-5) COMP	L1951248-07	ALPHA-BHC	10/31/2019		Y	N	U		U	0.746	0.212	ug/kg
WC-B2 (0-5) COMP	L1951248-07	ALDRIN	10/31/2019		Y	N	U		U	1.79	0.630	ug/kg
WC-B2 (0-5) COMP	L1951248-07	4,4'-DDT	10/31/2019		Y	N	U		U	3.36	1.44	ug/kg
WC-B2 (0-5) COMP	L1951248-07	4,4'-DDE	10/31/2019		Y	N	U		U	1.79	0.414	ug/kg
WC-B2 (0-5) COMP	L1951248-07	4,4'-DDD	10/31/2019		Y	N	U		U	1.79	0.638	ug/kg
WC-B2 (0-5) COMP	L1951248-07	ENDOSULFAN SULFATE	10/31/2019		Y	N	U		U	0.746	0.355	ug/kg
WC-B2 (0-5) COMP	L1951248-07	ENDOSULFAN II	10/31/2019		Y	N	U		U	1.79	0.598	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	BETA-BHC	10/31/2019		Y	N	U		U	1.72	0.652	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	4,4'-DDE	10/31/2019		Y	N	U		U	1.72	0.397	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	4,4'-DDD	10/31/2019		Y	N	U		U	1.72	0.613	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B2-(5-10)-COMP	L1951248-09	TRANS-CHLORDANE	10/31/2019		Y	N	U		U	2.15	0.567	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	DELTA-BHC	10/31/2019		Y	N	U		U	1.72	0.337	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	ENDRIN ALDEHYDE	10/31/2019		Y	N	U		U	2.15	0.752	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	ALDRIN	10/31/2019		Y	N	U		U	1.72	0.605	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	CIS-CHLORDANE	10/31/2019		Y	N	U		U	2.15	0.599	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	ENDOSULFAN SULFATE	10/31/2019		Y	N	U		U	0.716	0.341	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	4,4'-DDT	10/31/2019		Y	N	U		U	3.22	1.38	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	ENDRIN	10/31/2019		Y	N	U		U	0.716	0.294	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	ALPHA-BHC	10/31/2019		Y	N	U		U	0.716	0.203	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	CHLORDANE	10/31/2019		Y	N	U		U	14.0	5.69	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	DIELDRIN	10/31/2019		Y	N	U		U	1.07	0.537	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	ENDRIN KETONE	10/31/2019		Y	N	U		U	1.72	0.443	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	ENDOSULFAN I	10/31/2019		Y	N	U		U	1.72	0.406	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	ENDOSULFAN II	10/31/2019		Y	N	U		U	1.72	0.574	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	HEPTACHLOR	10/31/2019		Y	N	U		U	0.859	0.385	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	HEPTACHLOR EPOXIDE	10/31/2019		Y	N	U		U	3.22	0.967	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	LINDANE	10/31/2019		Y	N	U		U	0.716	0.320	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	METHOXYCHLOR	10/31/2019		Y	N	U	UJ	UJ	3.22	1.00	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	TOXAPHENE	10/31/2019		Y	N	U		U	32.2	9.02	ug/kg

Analytical Method SW8082A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (3-4)	L1951248-03	AROCLOR 1254	10/31/2019		Y	N	U		U	36.5	3.99	ug/kg
B-12 (3-4)	L1951248-03	AROCLOR 1248	10/31/2019		Y	N	U		U	36.5	5.47	ug/kg
B-12 (3-4)	L1951248-03	AROCLOR 1242	10/31/2019		Y	N	U		U	36.5	4.92	ug/kg

Analytical Method SW8082A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (3-4)	L1951248-03	AROCLOR 1232	10/31/2019		Y	N	U		U	36.5	7.73	ug/kg
B-12 (3-4)	L1951248-03	AROCLOR 1221	10/31/2019		Y	N	U		U	36.5	3.65	ug/kg
B-12 (3-4)	L1951248-03	AROCLOR 1260	10/31/2019		Y	N	U		U	36.5	6.74	ug/kg
B-12 (3-4)	L1951248-03	AROCLOR 1262	10/31/2019		Y	N	U		U	36.5	4.63	ug/kg
B-12 (3-4)	L1951248-03	AROCLOR 1268	10/31/2019		Y	N	U		U	36.5	3.78	ug/kg
B-12 (3-4)	L1951248-03	PCBS, TOTAL	10/31/2019		Y	N	U		U	36.5	3.24	ug/kg
B-12 (3-4)	L1951248-03	AROCLOR 1016	10/31/2019		Y	N	U		U	36.5	3.24	ug/kg
B-12 (8-9)	L1951248-04	AROCLOR 1260	10/31/2019		Y	N	U		U	37.8	6.99	ug/kg
B-12 (8-9)	L1951248-04	AROCLOR 1254	10/31/2019		Y	N	U		U	37.8	4.14	ug/kg
B-12 (8-9)	L1951248-04	AROCLOR 1232	10/31/2019		Y	N	U		U	37.8	8.02	ug/kg
B-12 (8-9)	L1951248-04	AROCLOR 1221	10/31/2019		Y	N	U		U	37.8	3.79	ug/kg
B-12 (8-9)	L1951248-04	AROCLOR 1016	10/31/2019		Y	N	U		U	37.8	3.36	ug/kg
B-12 (8-9)	L1951248-04	AROCLOR 1268	10/31/2019		Y	N	U		U	37.8	3.92	ug/kg
B-12 (8-9)	L1951248-04	AROCLOR 1248	10/31/2019		Y	N	U		U	37.8	5.67	ug/kg
B-12 (8-9)	L1951248-04	AROCLOR 1262	10/31/2019		Y	N	U		U	37.8	4.80	ug/kg
B-12 (8-9)	L1951248-04	PCBS, TOTAL	10/31/2019		Y	N	U		U	37.8	3.36	ug/kg
B-12 (8-9)	L1951248-04	AROCLOR 1242	10/31/2019		Y	N	U		U	37.8	5.10	ug/kg
B-17 (1.5-2.5)	L1951248-06	AROCLOR 1248	10/31/2019		Y	N	U		U	34.2	5.14	ug/kg
B-17 (1.5-2.5)	L1951248-06	PCBS, TOTAL	10/31/2019	111	Y	Y				34.2	3.04	ug/kg
B-17 (1.5-2.5)	L1951248-06	AROCLOR 1221	10/31/2019		Y	N	U		U	34.2	3.43	ug/kg
B-17 (1.5-2.5)	L1951248-06	AROCLOR 1254	10/31/2019		Y	N	U		U	34.2	3.75	ug/kg
B-17 (1.5-2.5)	L1951248-06	AROCLOR 1262	10/31/2019		Y	N	U		U	34.2	4.35	ug/kg
B-17 (1.5-2.5)	L1951248-06	AROCLOR 1268	10/31/2019		Y	N	U		U	34.2	3.55	ug/kg
B-17 (1.5-2.5)	L1951248-06	AROCLOR 1232	10/31/2019		Y	N	U		U	34.2	7.26	ug/kg
B-17 (1.5-2.5)	L1951248-06	AROCLOR 1260	10/31/2019	111	Y	Y				34.2	6.33	ug/kg

SDG: L1951248

Analytical Method SW8082A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-17 (1.5-2.5)	L1951248-06	AROCLOR 1242	10/31/2019		Y	N	U		U	34.2	4.62	ug/kg
B-17 (1.5-2.5)	L1951248-06	AROCLOR 1016	10/31/2019		Y	N	U		U	34.2	3.04	ug/kg
B-18 (2-3)	L1951248-05	AROCLOR 1242	10/31/2019		Y	N	U		U	36.2	4.89	ug/kg
B-18 (2-3)	L1951248-05	AROCLOR 1232	10/31/2019		Y	N	U		U	36.2	7.68	ug/kg
B-18 (2-3)	L1951248-05	AROCLOR 1221	10/31/2019		Y	N	U		U	36.2	3.63	ug/kg
B-18 (2-3)	L1951248-05	AROCLOR 1248	10/31/2019		Y	N	U		U	36.2	5.44	ug/kg
B-18 (2-3)	L1951248-05	AROCLOR 1254	10/31/2019		Y	N	U		U	36.2	3.97	ug/kg
B-18 (2-3)	L1951248-05	AROCLOR 1260	10/31/2019		Y	N	U		U	36.2	6.70	ug/kg
B-18 (2-3)	L1951248-05	AROCLOR 1262	10/31/2019		Y	N	U		U	36.2	4.60	ug/kg
B-18 (2-3)	L1951248-05	PCBS, TOTAL	10/31/2019		Y	N	U		U	36.2	3.22	ug/kg
B-18 (2-3)	L1951248-05	AROCLOR 1268	10/31/2019		Y	N	U		U	36.2	3.76	ug/kg
B-18 (2-3)	L1951248-05	AROCLOR 1016	10/31/2019		Y	N	U		U	36.2	3.22	ug/kg
B-19 (4-5)	L1951248-01	PCBS, TOTAL	10/31/2019		Y	N	U		U	40.9	3.63	ug/kg
B-19 (4-5)	L1951248-01	AROCLOR 1221	10/31/2019		Y	N	U		U	40.9	4.10	ug/kg
B-19 (4-5)	L1951248-01	AROCLOR 1232	10/31/2019		Y	N	U		U	40.9	8.67	ug/kg
B-19 (4-5)	L1951248-01	AROCLOR 1242	10/31/2019		Y	N	U		U	40.9	5.51	ug/kg
B-19 (4-5)	L1951248-01	AROCLOR 1248	10/31/2019		Y	N	U		U	40.9	6.14	ug/kg
B-19 (4-5)	L1951248-01	AROCLOR 1254	10/31/2019		Y	N	U		U	40.9	4.48	ug/kg
B-19 (4-5)	L1951248-01	AROCLOR 1260	10/31/2019		Y	N	U		U	40.9	7.56	ug/kg
B-19 (4-5)	L1951248-01	AROCLOR 1268	10/31/2019		Y	N	U		U	40.9	4.24	ug/kg
B-19 (4-5)	L1951248-01	AROCLOR 1016	10/31/2019		Y	N	U		U	40.9	3.63	ug/kg
B-19 (4-5)	L1951248-01	AROCLOR 1262	10/31/2019		Y	N	U		U	40.9	5.20	ug/kg
B-19 (5.5-6.5)	L1951248-02	AROCLOR 1016	10/31/2019		Y	N	U		U	35.9	3.18	ug/kg
B-19 (5.5-6.5)	L1951248-02	AROCLOR 1232	10/31/2019		Y	N	U		U	35.9	7.60	ug/kg
B-19 (5.5-6.5)	L1951248-02	AROCLOR 1242	10/31/2019		Y	N	U		U	35.9	4.84	ug/kg

SDG: L1951248

Analytical Method SW8082A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-19 (5.5-6.5)	L1951248-02	AROCLOR 1248	10/31/2019		Y	N	U		U	35.9	5.38	ug/kg
B-19 (5.5-6.5)	L1951248-02	AROCLOR 1254	10/31/2019		Y	N	U		U	35.9	3.92	ug/kg
B-19 (5.5-6.5)	L1951248-02	AROCLOR 1260	10/31/2019		Y	N	U		U	35.9	6.63	ug/kg
B-19 (5.5-6.5)	L1951248-02	AROCLOR 1262	10/31/2019		Y	N	U		U	35.9	4.56	ug/kg
B-19 (5.5-6.5)	L1951248-02	AROCLOR 1268	10/31/2019		Y	N	U		U	35.9	3.72	ug/kg
B-19 (5.5-6.5)	L1951248-02	PCBS, TOTAL	10/31/2019		Y	N	U		U	35.9	3.18	ug/kg
B-19 (5.5-6.5)	L1951248-02	AROCLOR 1221	10/31/2019		Y	N	U		U	35.9	3.59	ug/kg
WC-B2 (0-5) COMP	L1951248-07	PCBS, TOTAL	10/31/2019		Y	N	U		U	37.5	3.33	ug/kg
WC-B2 (0-5) COMP	L1951248-07	AROCLOR 1242	10/31/2019		Y	N	U		U	37.5	5.05	ug/kg
WC-B2 (0-5) COMP	L1951248-07	AROCLOR 1262	10/31/2019		Y	N	U		U	37.5	4.76	ug/kg
WC-B2 (0-5) COMP	L1951248-07	AROCLOR 1268	10/31/2019		Y	N	U		U	37.5	3.88	ug/kg
WC-B2 (0-5) COMP	L1951248-07	AROCLOR 1260	10/31/2019		Y	N	U		U	37.5	6.92	ug/kg
WC-B2 (0-5) COMP	L1951248-07	AROCLOR 1248	10/31/2019		Y	N	U		U	37.5	5.62	ug/kg
WC-B2 (0-5) COMP	L1951248-07	AROCLOR 1232	10/31/2019		Y	N	U		U	37.5	7.94	ug/kg
WC-B2 (0-5) COMP	L1951248-07	AROCLOR 1221	10/31/2019		Y	N	U		U	37.5	3.76	ug/kg
WC-B2 (0-5) COMP	L1951248-07	AROCLOR 1016	10/31/2019		Y	N	U		U	37.5	3.33	ug/kg
WC-B2 (0-5) COMP	L1951248-07	AROCLOR 1254	10/31/2019		Y	N	U		U	37.5	4.10	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	PCBS, TOTAL	10/31/2019		Y	N	U		U	34.0	3.02	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	AROCLOR 1232	10/31/2019		Y	N	U		U	34.0	7.22	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	AROCLOR 1260	10/31/2019		Y	N	U		U	34.0	6.29	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	AROCLOR 1221	10/31/2019		Y	N	U		U	34.0	3.41	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	AROCLOR 1242	10/31/2019		Y	N	U		U	34.0	4.59	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	AROCLOR 1248	10/31/2019		Y	N	U		U	34.0	5.11	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	AROCLOR 1254	10/31/2019		Y	N	U		U	34.0	3.72	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	AROCLOR 1016	10/31/2019		Y	N	U		U	34.0	3.02	ug/kg

Analytical Method SW8082A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B2-(5-10)-COMP	L1951248-09	AROCLOR 1262	10/31/2019		Y	N	U		U	34.0	4.32	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	AROCLOR 1268	10/31/2019		Y	N	U		U	34.0	3.53	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (3-4)	L1951248-03	1,1,2-TRICHLOROETHANE	10/31/2019		Y	N	U		U	0.91	0.24	ug/kg
B-12 (3-4)	L1951248-03	P-ISOPROPYLTOLUENE	10/31/2019		Y	N	U		U	0.91	0.10	ug/kg
B-12 (3-4)	L1951248-03	1,1,1-TRICHLOROETHANE	10/31/2019	0.72	Y	Y				0.45	0.15	ug/kg
B-12 (3-4)	L1951248-03	1,4-DIETHYLBENZENE	10/31/2019		Y	N	U		U	1.8	0.16	ug/kg
B-12 (3-4)	L1951248-03	4-ETHYLTOLUENE	10/31/2019		Y	N	U		U	1.8	0.35	ug/kg
B-12 (3-4)	L1951248-03	P/M-XYLENE	10/31/2019		Y	N	U		U	1.8	0.51	ug/kg
B-12 (3-4)	L1951248-03	1,1,2,2-TETRACHLOROETHANE	10/31/2019		Y	N	U		U	0.45	0.15	ug/kg
B-12 (3-4)	L1951248-03	1,1,1,2-TETRACHLOROETHANE	10/31/2019		Y	N	U		U	0.45	0.12	ug/kg
B-12 (3-4)	L1951248-03	1,2-DIBROMOETHANE	10/31/2019		Y	N	U		U	0.91	0.25	ug/kg
B-12 (3-4)	L1951248-03	2-HEXANONE	10/31/2019		Y	N	U		U	9.1	1.1	ug/kg
B-12 (3-4)	L1951248-03	NAPHTHALENE	10/31/2019		Y	N	U		U	3.6	0.59	ug/kg
B-12 (3-4)	L1951248-03	STYRENE	10/31/2019		Y	N	U		U	0.91	0.18	ug/kg
B-12 (3-4)	L1951248-03	TOLUENE	10/31/2019		Y	N	U		U	0.91	0.49	ug/kg
B-12 (3-4)	L1951248-03	BROMOBENZENE	10/31/2019		Y	N	U		U	1.8	0.13	ug/kg
B-12 (3-4)	L1951248-03	BENZENE	10/31/2019		Y	N	U		U	0.45	0.15	ug/kg
B-12 (3-4)	L1951248-03	ACRYLONITRILE	10/31/2019		Y	N	U		U	3.6	1.0	ug/kg
B-12 (3-4)	L1951248-03	TRICHLOROFLUOROMETHANE	10/31/2019		Y	N	U		U	3.6	0.63	ug/kg
B-12 (3-4)	L1951248-03	4-METHYL-2-PENTANONE	10/31/2019		Y	N	U		U	9.1	1.2	ug/kg
B-12 (3-4)	L1951248-03	BROMODICHLOROMETHANE	10/31/2019		Y	N	U		U	0.45	0.10	ug/kg
B-12 (3-4)	L1951248-03	2-BUTANONE	10/31/2019		Y	N	U		U	9.1	2.0	ug/kg

SDG: L1951248

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (3-4)	L1951248-03	2,2-DICHLOROPROPANE	10/31/2019		Y	N	U		U	1.8	0.18	ug/kg
B-12 (3-4)	L1951248-03	1,2,4-TRIMETHYLBENZENE	10/31/2019		Y	N	U		U	1.8	0.30	ug/kg
B-12 (3-4)	L1951248-03	1,4-DICHLOROBENZENE	10/31/2019		Y	N	U		U	1.8	0.16	ug/kg
B-12 (3-4)	L1951248-03	1,3-DICHLOROPROPANE	10/31/2019		Y	N	U		U	1.8	0.15	ug/kg
B-12 (3-4)	L1951248-03	1,3-DICHLOROBENZENE	10/31/2019		Y	N	U		U	1.8	0.13	ug/kg
B-12 (3-4)	L1951248-03	1,3,5-TRIMETHYLBENZENE	10/31/2019		Y	N	U		U	1.8	0.17	ug/kg
B-12 (3-4)	L1951248-03	ACETONE	10/31/2019		Y	N	U		U	9.1	4.4	ug/kg
B-12 (3-4)	L1951248-03	CHLOROFORM	10/31/2019		Y	N	U		U	1.4	0.13	ug/kg
B-12 (3-4)	L1951248-03	METHYL TERT BUTYL ETHER	10/31/2019		Y	N	U		U	1.8	0.18	ug/kg
B-12 (3-4)	L1951248-03	ISOPROPYLBENZENE	10/31/2019		Y	N	U		U	0.91	0.10	ug/kg
B-12 (3-4)	L1951248-03	HEXACHLOROBUTADIENE	10/31/2019		Y	N	U		U	3.6	0.15	ug/kg
B-12 (3-4)	L1951248-03	ETHYLBENZENE	10/31/2019		Y	N	U		U	0.91	0.13	ug/kg
B-12 (3-4)	L1951248-03	ETHYL ETHER	10/31/2019		Y	N	U		U	1.8	0.31	ug/kg
B-12 (3-4)	L1951248-03	DICHLORODIFLUOROMETHANE	10/31/2019		Y	N	U	UJ	UJ	9.1	0.83	ug/kg
B-12 (3-4)	L1951248-03	DIBROMOMETHANE	10/31/2019		Y	N	U		U	1.8	0.22	ug/kg
B-12 (3-4)	L1951248-03	METHYLENE CHLORIDE	10/31/2019		Y	N	U		U	4.5	2.1	ug/kg
B-12 (3-4)	L1951248-03	CHLOROMETHANE	10/31/2019		Y	N	U		U	3.6	0.84	ug/kg
B-12 (3-4)	L1951248-03	BROMOCHLOROMETHANE	10/31/2019		Y	N	U		U	1.8	0.18	ug/kg
B-12 (3-4)	L1951248-03	CHLOROETHANE	10/31/2019		Y	N	U		U	1.8	0.41	ug/kg
B-12 (3-4)	L1951248-03	CHLOROBENZENE	10/31/2019		Y	N	U		U	0.45	0.12	ug/kg
B-12 (3-4)	L1951248-03	CARBON TETRACHLORIDE	10/31/2019		Y	N	U		U	0.91	0.21	ug/kg
B-12 (3-4)	L1951248-03	CARBON DISULFIDE	10/31/2019		Y	N	U		U	9.1	4.1	ug/kg
B-12 (3-4)	L1951248-03	BROMOMETHANE	10/31/2019		Y	N	U	UJ	UJ	1.8	0.53	ug/kg
B-12 (3-4)	L1951248-03	BROMOFORM	10/31/2019		Y	N	U		U	3.6	0.22	ug/kg
B-12 (3-4)	L1951248-03	1,3-DICHLOROPROPENE, TOTAL	10/31/2019		Y	N	U		U	0.45	0.14	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (3-4)	L1951248-03	DIBROMOCHLOROMETHANE	10/31/2019		Y	N	U		U	0.91	0.13	ug/kg
B-12 (3-4)	L1951248-03	P-CHLOROTOLUENE	10/31/2019		Y	N	U		U	1.8	0.10	ug/kg
B-12 (3-4)	L1951248-03	VINYL ACETATE	10/31/2019		Y	N	U		U	9.1	1.9	ug/kg
B-12 (3-4)	L1951248-03	1,1-DICHLOROETHANE	10/31/2019		Y	N	U		U	0.91	0.13	ug/kg
B-12 (3-4)	L1951248-03	1,4-DIOXANE	10/31/2019		Y	N	U	UJ	UJ	72	32	ug/kg
B-12 (3-4)	L1951248-03	CIS-1,3-DICHLOROPROPENE	10/31/2019		Y	N	U		U	0.45	0.14	ug/kg
B-12 (3-4)	L1951248-03	N-BUTYLBENZENE	10/31/2019		Y	N	U		U	0.91	0.15	ug/kg
B-12 (3-4)	L1951248-03	N-PROPYLBENZENE	10/31/2019		Y	N	U		U	0.91	0.16	ug/kg
B-12 (3-4)	L1951248-03	1,1-DICHLOROPROPENE	10/31/2019		Y	N	U		U	0.45	0.14	ug/kg
B-12 (3-4)	L1951248-03	O-XYLENE	10/31/2019		Y	N	U		U	0.91	0.26	ug/kg
B-12 (3-4)	L1951248-03	1,1-DICHLOROETHENE	10/31/2019		Y	N	U		U	0.91	0.22	ug/kg
B-12 (3-4)	L1951248-03	SEC-BUTYLBENZENE	10/31/2019		Y	N	U		U	0.91	0.13	ug/kg
B-12 (3-4)	L1951248-03	TERT-BUTYLBENZENE	10/31/2019		Y	N	U		U	1.8	0.11	ug/kg
B-12 (3-4)	L1951248-03	TRANS-1,2-DICHLOROETHENE	10/31/2019		Y	N	U		U	1.4	0.12	ug/kg
B-12 (3-4)	L1951248-03	TRANS-1,3-DICHLOROPROPENE	10/31/2019		Y	N	U		U	0.91	0.25	ug/kg
B-12 (3-4)	L1951248-03	TRANS-1,4-DICHLORO-2-BUTENE	10/31/2019		Y	N	U		U	4.5	1.3	ug/kg
B-12 (3-4)	L1951248-03	TRICHLOROETHENE	10/31/2019	4.0	Y	Y				0.45	0.12	ug/kg
B-12 (3-4)	L1951248-03	TETRACHLOROETHENE	10/31/2019	3.0	Y	Y				0.45	0.18	ug/kg
B-12 (3-4)	L1951248-03	O-CHLOROTOLUENE	10/31/2019		Y	N	U		U	1.8	0.17	ug/kg
B-12 (3-4)	L1951248-03	1,2,4-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	1.8	0.25	ug/kg
B-12 (3-4)	L1951248-03	XYLENE (TOTAL)	10/31/2019		Y	N	U		U	0.91	0.26	ug/kg
B-12 (3-4)	L1951248-03	VINYL CHLORIDE	10/31/2019		Y	N	U	UJ	UJ	0.91	0.30	ug/kg
B-12 (3-4)	L1951248-03	1,2-DICHLOROETHENE (TOTAL)	10/31/2019		Y	N	U		U	0.91	0.12	ug/kg
B-12 (3-4)	L1951248-03	1,2-DICHLOROETHANE	10/31/2019		Y	N	U		U	0.91	0.23	ug/kg
B-12 (3-4)	L1951248-03	1,2-DICHLOROBENZENE	10/31/2019		Y	N	U		U	1.8	0.13	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (3-4)	L1951248-03	CIS-1,2-DICHLOROETHENE	10/31/2019		Y	N	U		U	0.91	0.16	ug/kg
B-12 (3-4)	L1951248-03	1,2-DIBROMO-3-CHLOROPROPANE	10/31/2019		Y	N	U		U	2.7	0.90	ug/kg
B-12 (3-4)	L1951248-03	1,2-DICHLOROPROPANE	10/31/2019		Y	N	U		U	0.91	0.11	ug/kg
B-12 (3-4)	L1951248-03	1,2,4,5-TETRAMETHYLBENZENE	10/31/2019		Y	N	U		U	1.8	0.17	ug/kg
B-12 (3-4)	L1951248-03	1,2,3-TRICHLOROPROPANE	10/31/2019		Y	N	U		U	1.8	0.12	ug/kg
B-12 (3-4)	L1951248-03	1,2,3-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	1.8	0.29	ug/kg
B-12 (8-9)	L1951248-04	1,1,1-TRICHLOROETHANE	10/31/2019	16	Y	Y				0.54	0.18	ug/kg
B-12 (8-9)	L1951248-04	TOLUENE	10/31/2019		Y	N	U		U	1.1	0.58	ug/kg
B-12 (8-9)	L1951248-04	TRICHLOROFLUOROMETHANE	10/31/2019		Y	N	U		U	4.3	0.75	ug/kg
B-12 (8-9)	L1951248-04	VINYL ACETATE	10/31/2019		Y	N	U		U	11	2.3	ug/kg
B-12 (8-9)	L1951248-04	1,1-DICHLOROETHANE	10/31/2019	0.20	Y	Y	J		J	1.1	0.16	ug/kg
B-12 (8-9)	L1951248-04	VINYL CHLORIDE	10/31/2019		Y	N	U	UJ	UJ	1.1	0.36	ug/kg
B-12 (8-9)	L1951248-04	N-BUTYLBENZENE	10/31/2019		Y	N	U		U	1.1	0.18	ug/kg
B-12 (8-9)	L1951248-04	1,1,2-TRICHLOROETHANE	10/31/2019	0.31	Y	Y	J		J	1.1	0.29	ug/kg
B-12 (8-9)	L1951248-04	TRICHLOROETHENE	10/31/2019	340	Y	Y	E			0.54	0.15	ug/kg
B-12 (8-9)	L1951248-04	CIS-1,2-DICHLOROETHENE	10/31/2019		Y	N	U		U	1.1	0.19	ug/kg
B-12 (8-9)	L1951248-04	CIS-1,3-DICHLOROPROPENE	10/31/2019		Y	N	U		U	0.54	0.17	ug/kg
B-12 (8-9)	L1951248-04	STYRENE	10/31/2019		Y	N	U		U	1.1	0.21	ug/kg
B-12 (8-9)	L1951248-04	1,1-DICHLOROETHENE	10/31/2019	0.42	Y	Y	J		J	1.1	0.26	ug/kg
B-12 (8-9)	L1951248-04	METHYLENE CHLORIDE	10/31/2019		Y	N	U		U	5.4	2.5	ug/kg
B-12 (8-9)	L1951248-04	1,3-DICHLOROPROPANE	10/31/2019		Y	N	U		U	2.2	0.18	ug/kg
B-12 (8-9)	L1951248-04	NAPHTHALENE	10/31/2019		Y	N	U		U	4.3	0.70	ug/kg
B-12 (8-9)	L1951248-04	TETRACHLOROETHENE	10/31/2019	1.6	Y	Y				0.54	0.21	ug/kg
B-12 (8-9)	L1951248-04	HEXACHLOROBUTADIENE	10/31/2019		Y	N	U		U	4.3	0.18	ug/kg
B-12 (8-9)	L1951248-04	ISOPROPYLBENZENE	10/31/2019		Y	N	U		U	1.1	0.12	ug/kg

SDG: L1951248

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (8-9)	L1951248-04	METHYL TERT BUTYL ETHER	10/31/2019		Y	N	U		U	2.2	0.22	ug/kg
B-12 (8-9)	L1951248-04	ACETONE	10/31/2019	5.2	Y	Y	J		J	11	5.2	ug/kg
B-12 (8-9)	L1951248-04	1,3-DICHLOROPROPENE, TOTAL	10/31/2019		Y	N	U		U	0.54	0.17	ug/kg
B-12 (8-9)	L1951248-04	ACRYLONITRILE	10/31/2019		Y	N	U		U	4.3	1.2	ug/kg
B-12 (8-9)	L1951248-04	1,2,4-TRIMETHYLBENZENE	10/31/2019		Y	N	U		U	2.2	0.36	ug/kg
B-12 (8-9)	L1951248-04	1,2-DIBROMO-3-CHLOROPROPANE	10/31/2019		Y	N	U		U	3.2	1.1	ug/kg
B-12 (8-9)	L1951248-04	1,2-DIBROMOETHANE	10/31/2019		Y	N	U		U	1.1	0.30	ug/kg
B-12 (8-9)	L1951248-04	1,2-DICHLOROBENZENE	10/31/2019		Y	N	U		U	2.2	0.16	ug/kg
B-12 (8-9)	L1951248-04	1,2-DICHLOROETHANE	10/31/2019		Y	N	U		U	1.1	0.28	ug/kg
B-12 (8-9)	L1951248-04	1,2-DICHLOROETHENE (TOTAL)	10/31/2019		Y	N	U		U	1.1	0.15	ug/kg
B-12 (8-9)	L1951248-04	1,2,4,5-TETRAMETHYLBENZENE	10/31/2019		Y	N	U		U	2.2	0.21	ug/kg
B-12 (8-9)	L1951248-04	1,3-DICHLOROBENZENE	10/31/2019		Y	N	U		U	2.2	0.16	ug/kg
B-12 (8-9)	L1951248-04	1,2,3-TRICHLOROPROPANE	10/31/2019		Y	N	U		U	2.2	0.14	ug/kg
B-12 (8-9)	L1951248-04	XYLENE (TOTAL)	10/31/2019		Y	N	U		U	1.1	0.31	ug/kg
B-12 (8-9)	L1951248-04	1,4-DICHLOROBENZENE	10/31/2019		Y	N	U		U	2.2	0.18	ug/kg
B-12 (8-9)	L1951248-04	1,4-DIOXANE	10/31/2019		Y	N	U	UJ	UJ	86	38	ug/kg
B-12 (8-9)	L1951248-04	2,2-DICHLOROPROPANE	10/31/2019		Y	N	U		U	2.2	0.22	ug/kg
B-12 (8-9)	L1951248-04	2-BUTANONE	10/31/2019		Y	N	U		U	11	2.4	ug/kg
B-12 (8-9)	L1951248-04	2-HEXANONE	10/31/2019		Y	N	U		U	11	1.3	ug/kg
B-12 (8-9)	L1951248-04	4-METHYL-2-PENTANONE	10/31/2019		Y	N	U		U	11	1.4	ug/kg
B-12 (8-9)	L1951248-04	1,2-DICHLOROPROPANE	10/31/2019		Y	N	U		U	1.1	0.13	ug/kg
B-12 (8-9)	L1951248-04	P-CHLOROTOLUENE	10/31/2019		Y	N	U		U	2.2	0.12	ug/kg
B-12 (8-9)	L1951248-04	TRANS-1,4-DICHLORO-2-BUTENE	10/31/2019		Y	N	U		U	5.4	1.5	ug/kg
B-12 (8-9)	L1951248-04	TRANS-1,3-DICHLOROPROPENE	10/31/2019		Y	N	U		U	1.1	0.29	ug/kg
B-12 (8-9)	L1951248-04	TRANS-1,2-DICHLOROETHENE	10/31/2019		Y	N	U		U	1.6	0.15	ug/kg

SDG: L1951248

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (8-9)	L1951248-04	TERT-BUTYLBENZENE	10/31/2019		Y	N	U		U	2.2	0.13	ug/kg
B-12 (8-9)	L1951248-04	SEC-BUTYLBENZENE	10/31/2019		Y	N	U		U	1.1	0.16	ug/kg
B-12 (8-9)	L1951248-04	P/M-XYLENE	10/31/2019		Y	N	U		U	2.2	0.60	ug/kg
B-12 (8-9)	L1951248-04	P-ISOPROPYLTOLUENE	10/31/2019		Y	N	U		U	1.1	0.12	ug/kg
B-12 (8-9)	L1951248-04	1,2,4-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	2.2	0.29	ug/kg
B-12 (8-9)	L1951248-04	1,4-DIETHYLBENZENE	10/31/2019		Y	N	U		U	2.2	0.19	ug/kg
B-12 (8-9)	L1951248-04	1,3,5-TRIMETHYLBENZENE	10/31/2019		Y	N	U		U	2.2	0.21	ug/kg
B-12 (8-9)	L1951248-04	O-XYLENE	10/31/2019		Y	N	U		U	1.1	0.31	ug/kg
B-12 (8-9)	L1951248-04	O-CHLOROTOLUENE	10/31/2019		Y	N	U		U	2.2	0.21	ug/kg
B-12 (8-9)	L1951248-04	N-PROPYLBENZENE	10/31/2019		Y	N	U		U	1.1	0.18	ug/kg
B-12 (8-9)	L1951248-04	1,1,1,2-TETRACHLOROETHANE	10/31/2019		Y	N	U		U	0.54	0.14	ug/kg
B-12 (8-9)	L1951248-04	1,1,2,2-TETRACHLOROETHANE	10/31/2019		Y	N	U		U	0.54	0.18	ug/kg
B-12 (8-9)	L1951248-04	1,1-DICHLOROPROPENE	10/31/2019		Y	N	U		U	0.54	0.17	ug/kg
B-12 (8-9)	L1951248-04	1,2,3-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	2.2	0.35	ug/kg
B-12 (8-9)	L1951248-04	4-ETHYLTOLUENE	10/31/2019		Y	N	U		U	2.2	0.41	ug/kg
B-12 (8-9)	L1951248-04	CHLOROMETHANE	10/31/2019		Y	N	U		U	4.3	1.0	ug/kg
B-12 (8-9)	L1951248-04	BROMOMETHANE	10/31/2019		Y	N	U	UJ	UJ	2.2	0.63	ug/kg
B-12 (8-9)	L1951248-04	CARBON DISULFIDE	10/31/2019		Y	N	U		U	11	4.9	ug/kg
B-12 (8-9)	L1951248-04	CHLOROETHANE	10/31/2019		Y	N	U		U	2.2	0.49	ug/kg
B-12 (8-9)	L1951248-04	CARBON TETRACHLORIDE	10/31/2019		Y	N	U		U	1.1	0.25	ug/kg
B-12 (8-9)	L1951248-04	CHLOROFORM	10/31/2019		Y	N	U		U	1.6	0.15	ug/kg
B-12 (8-9)	L1951248-04	BROMOFORM	10/31/2019		Y	N	U		U	4.3	0.26	ug/kg
B-12 (8-9)	L1951248-04	CHLOROBENZENE	10/31/2019		Y	N	U		U	0.54	0.14	ug/kg
B-12 (8-9)	L1951248-04	BROMODICHLOROMETHANE	10/31/2019		Y	N	U		U	0.54	0.12	ug/kg
B-12 (8-9)	L1951248-04	BROMOCHLOROMETHANE	10/31/2019		Y	N	U		U	2.2	0.22	ug/kg

SDG: L1951248

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (8-9)	L1951248-04	DIBROMOCHLOROMETHANE	10/31/2019		Y	N	U		U	1.1	0.15	ug/kg
B-12 (8-9)	L1951248-04	DICHLORODIFLUOROMETHANE	10/31/2019		Y	N	U	UJ	UJ	11	0.99	ug/kg
B-12 (8-9)	L1951248-04	ETHYLBENZENE	10/31/2019		Y	N	U		U	1.1	0.15	ug/kg
B-12 (8-9)	L1951248-04	BROMOBENZENE	10/31/2019		Y	N	U		U	2.2	0.16	ug/kg
B-12 (8-9)	L1951248-04	ETHYL ETHER	10/31/2019		Y	N	U		U	2.2	0.37	ug/kg
B-12 (8-9)	L1951248-04	DIBROMOMETHANE	10/31/2019		Y	N	U		U	2.2	0.26	ug/kg
B-12 (8-9)	L1951248-04	BENZENE	10/31/2019		Y	N	U		U	0.54	0.18	ug/kg
B-12 (8-9)	L1951248-04	2-BUTANONE	10/31/2019		Y	N	U		U	750	170	ug/kg
B-12 (8-9)	L1951248-04	BENZENE	10/31/2019		Y	N	U		U	38	12	ug/kg
B-12 (8-9)	L1951248-04	1,2-DICHLOROBENZENE	10/31/2019		Y	N	U		U	150	11	ug/kg
B-12 (8-9)	L1951248-04	1,2-DICHLOROETHANE	10/31/2019		Y	N	U		U	75	19	ug/kg
B-12 (8-9)	L1951248-04	1,2-DICHLOROETHENE (TOTAL)	10/31/2019		Y	N	U		U	75	10	ug/kg
B-12 (8-9)	L1951248-04	1,4-DICHLOROBENZENE	10/31/2019		Y	N	U		U	150	13	ug/kg
B-12 (8-9)	L1951248-04	TRANS-1,3-DICHLOROPROPENE	10/31/2019		Y	N	U		U	75	20	ug/kg
B-12 (8-9)	L1951248-04	TRANS-1,2-DICHLOROETHENE	10/31/2019		Y	N	U		U	110	10	ug/kg
B-12 (8-9)	L1951248-04	2,2-DICHLOROPROPANE	10/31/2019		Y	N	U		U	150	15	ug/kg
B-12 (8-9)	L1951248-04	2-HEXANONE	10/31/2019		Y	N	U		U	750	89	ug/kg
B-12 (8-9)	L1951248-04	1,2-DIBROMOETHANE	10/31/2019		Y	N	U		U	75	21	ug/kg
B-12 (8-9)	L1951248-04	1,1-DICHLOROPROPENE	10/31/2019		Y	N	U		U	38	12	ug/kg
B-12 (8-9)	L1951248-04	ACRYLONITRILE	10/31/2019		Y	N	U		U	300	86	ug/kg
B-12 (8-9)	L1951248-04	4-METHYL-2-PENTANONE	10/31/2019		Y	N	U		U	750	96	ug/kg
B-12 (8-9)	L1951248-04	1,4-DIOXANE	10/31/2019		Y	N	U		U	6000	2600	ug/kg
B-12 (8-9)	L1951248-04	1,1,2-TRICHLOROETHANE	10/31/2019		Y	N	U		U	75	20	ug/kg
B-12 (8-9)	L1951248-04	SEC-BUTYLBENZENE	10/31/2019		Y	N	U		U	75	11	ug/kg
B-12 (8-9)	L1951248-04	P/M-XYLENE	10/31/2019		Y	N	U		U	150	42	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (8-9)	L1951248-04	P-ISOPROPYLTOLUENE	10/31/2019		Y	N	U		U	75	8.2	ug/kg
B-12 (8-9)	L1951248-04	4-ETHYLTOLUENE	10/31/2019		Y	N	U		U	150	29	ug/kg
B-12 (8-9)	L1951248-04	1,4-DIETHYLBENZENE	10/31/2019		Y	N	U		U	150	13	ug/kg
B-12 (8-9)	L1951248-04	P-CHLOROTOLUENE	10/31/2019		Y	N	U		U	150	8.1	ug/kg
B-12 (8-9)	L1951248-04	1,2,3-TRICHLOROPROPANE	10/31/2019		Y	N	U		U	150	9.6	ug/kg
B-12 (8-9)	L1951248-04	1,1,2,2-TETRACHLOROETHANE	10/31/2019		Y	N	U		U	38	12	ug/kg
B-12 (8-9)	L1951248-04	1,2-DIBROMO-3-CHLOROPROPANE	10/31/2019		Y	N	U		U	220	75	ug/kg
B-12 (8-9)	L1951248-04	1,1-DICHLOROETHANE	10/31/2019		Y	N	U		U	75	11	ug/kg
B-12 (8-9)	L1951248-04	1,1-DICHLOROETHENE	10/31/2019		Y	N	U		U	75	18	ug/kg
B-12 (8-9)	L1951248-04	1,2,3-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	150	24	ug/kg
B-12 (8-9)	L1951248-04	O-XYLENE	10/31/2019		Y	N	U		U	75	22	ug/kg
B-12 (8-9)	L1951248-04	1,2,4,5-TETRAMETHYLBENZENE	10/31/2019		Y	N	U		U	150	14	ug/kg
B-12 (8-9)	L1951248-04	1,2,4-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	150	20	ug/kg
B-12 (8-9)	L1951248-04	1,2,4-TRIMETHYLBENZENE	10/31/2019		Y	N	U		U	150	25	ug/kg
B-12 (8-9)	L1951248-04	1,1,1,2-TETRACHLOROETHANE	10/31/2019		Y	N	U		U	38	9.9	ug/kg
B-12 (8-9)	L1951248-04	HEXACHLOROBUTADIENE	10/31/2019		Y	N	U		U	300	13	ug/kg
B-12 (8-9)	L1951248-04	O-CHLOROTOLUENE	10/31/2019		Y	N	U		U	150	14	ug/kg
B-12 (8-9)	L1951248-04	1,3-DICHLOROBENZENE	10/31/2019		Y	N	U		U	150	11	ug/kg
B-12 (8-9)	L1951248-04	XYLENE (TOTAL)	10/31/2019		Y	N	U		U	75	22	ug/kg
B-12 (8-9)	L1951248-04	DIBROMOMETHANE	10/31/2019		Y	N	U		U	150	18	ug/kg
B-12 (8-9)	L1951248-04	1,3-DICHLOROPROPANE	10/31/2019		Y	N	U		U	150	12	ug/kg
B-12 (8-9)	L1951248-04	1,3-DICHLOROPROPENE, TOTAL	10/31/2019		Y	N	U		U	38	12	ug/kg
B-12 (8-9)	L1951248-04	UNKNOWN	10/31/2019	1960	Y	Y	J		J			
B-12 (8-9)	L1951248-04	VINYL CHLORIDE	10/31/2019		Y	N	U		U	75	25	ug/kg
B-12 (8-9)	L1951248-04	DIBROMOCHLOROMETHANE	10/31/2019		Y	N	U		U	75	10	ug/kg

SDG: L1951248

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (8-9)	L1951248-04	ETHYLBENZENE	10/31/2019		Y	N	U		U	75	11	ug/kg
B-12 (8-9)	L1951248-04	TERT-BUTYLBENZENE	10/31/2019		Y	N	U		U	150	8.9	ug/kg
B-12 (8-9)	L1951248-04	VINYL ACETATE	10/31/2019		Y	N	U		U	750	160	ug/kg
B-12 (8-9)	L1951248-04	ISOPROPYLBENZENE	10/31/2019		Y	N	U		U	75	8.2	ug/kg
B-12 (8-9)	L1951248-04	TRICHLOROFLUOROMETHANE	10/31/2019		Y	N	U		U	300	52	ug/kg
B-12 (8-9)	L1951248-04	METHYL TERT BUTYL ETHER	10/31/2019		Y	N	U		U	150	15	ug/kg
B-12 (8-9)	L1951248-04	METHYLENE CHLORIDE	10/31/2019		Y	N	U		U	380	170	ug/kg
B-12 (8-9)	L1951248-04	NAPHTHALENE	10/31/2019		Y	N	U		U	300	49	ug/kg
B-12 (8-9)	L1951248-04	STYRENE	10/31/2019		Y	N	U		U	75	15	ug/kg
B-12 (8-9)	L1951248-04	TOLUENE	10/31/2019		Y	N	U		U	75	41	ug/kg
B-12 (8-9)	L1951248-04	ETHYL ETHER	10/31/2019		Y	N	U		U	150	26	ug/kg
B-12 (8-9)	L1951248-04	CARBON TETRACHLORIDE	10/31/2019		Y	N	U		U	75	17	ug/kg
B-12 (8-9)	L1951248-04	TRANS-1,4-DICHLORO-2-BUTENE	10/31/2019		Y	N	U		U	380	110	ug/kg
B-12 (8-9)	L1951248-04	BROMOCHLOROMETHANE	10/31/2019		Y	N	U		U	150	15	ug/kg
B-12 (8-9)	L1951248-04	1,2-DICHLOROPROPANE	10/31/2019		Y	N	U		U	75	9.4	ug/kg
B-12 (8-9)	L1951248-04	BROMODICHLOROMETHANE	10/31/2019		Y	N	U		U	38	8.2	ug/kg
B-12 (8-9)	L1951248-04	TETRACHLOROETHENE	10/31/2019		Y	N	U		U	38	15	ug/kg
B-12 (8-9)	L1951248-04	BROMOFORM	10/31/2019		Y	N	U		U	300	18	ug/kg
B-12 (8-9)	L1951248-04	N-PROPYLBENZENE	10/31/2019		Y	N	U		U	75	13	ug/kg
B-12 (8-9)	L1951248-04	BROMOMETHANE	10/31/2019		Y	N	U		U	150	44	ug/kg
B-12 (8-9)	L1951248-04	1,3,5-TRIMETHYLBENZENE	10/31/2019		Y	N	U		U	150	14	ug/kg
B-12 (8-9)	L1951248-04	N-BUTYLBENZENE	10/31/2019		Y	N	U		U	75	12	ug/kg
B-12 (8-9)	L1951248-04	BROMOBENZENE	10/31/2019		Y	N	U		U	150	11	ug/kg
B-12 (8-9)	L1951248-04	CIS-1,3-DICHLOROPROPENE	10/31/2019		Y	N	U		U	38	12	ug/kg
B-12 (8-9)	L1951248-04	CHLOROBENZENE	10/31/2019		Y	N	U		U	38	9.6	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (8-9)	L1951248-04	ACETONE	10/31/2019	5100	Y	Y				750	360	ug/kg
B-12 (8-9)	L1951248-04	CHLOROETHANE	10/31/2019		Y	N	U		U	150	34	ug/kg
B-12 (8-9)	L1951248-04	CHLOROFORM	10/31/2019		Y	N	U		U	110	10	ug/kg
B-12 (8-9)	L1951248-04	CHLOROMETHANE	10/31/2019		Y	N	U		U	300	70	ug/kg
B-12 (8-9)	L1951248-04	DICHLORODIFLUOROMETHANE	10/31/2019		Y	N	U		U	750	69	ug/kg
B-12 (8-9)	L1951248-04	CIS-1,2-DICHLOROETHENE	10/31/2019		Y	N	U		U	75	13	ug/kg
B-12 (8-9)	L1951248-04	CARBON DISULFIDE	10/31/2019		Y	N	U		U	750	340	ug/kg
B-12 (8-9)	L1951248-04	1,1,1-TRICHLOROETHANE	10/31/2019	13	Y	Y	J		J	38	12	ug/kg
B-12 (8-9)	L1951248-04	UNKNOWN ALKANE	10/31/2019	413	Y	Y	J		J			
B-12 (8-9)	L1951248-04	UNKNOWN	10/31/2019	1420	Y	Y	J		J			
B-12 (8-9)	L1951248-04	TOTAL TIC COMPOUNDS	10/31/2019	4010	Y	Y	J		J			
B-12 (8-9)	L1951248-04	CYCLOTRISILOXANE, HEXAMETHYL-	10/31/2019	217	Y	Y	NJ		J			
B-12 (8-9)	L1951248-04	TRICHLOROETHENE	10/31/2019	290	Y	Y				38	10	ug/kg
B-17 (1.5-2.5)	L1951248-06	CHLOROFORM	10/31/2019	0.27	Y	Y	J		J	1.5	0.14	ug/kg
B-17 (1.5-2.5)	L1951248-06	2-BUTANONE	10/31/2019		Y	N	U		U	10	2.2	ug/kg
B-17 (1.5-2.5)	L1951248-06	2-HEXANONE	10/31/2019		Y	N	U		U	10	1.2	ug/kg
B-17 (1.5-2.5)	L1951248-06	4-METHYL-2-PENTANONE	10/31/2019		Y	N	U		U	10	1.3	ug/kg
B-17 (1.5-2.5)	L1951248-06	ACRYLONITRILE	10/31/2019		Y	N	U		U	4.0	1.1	ug/kg
B-17 (1.5-2.5)	L1951248-06	BENZENE	10/31/2019		Y	N	U		U	0.50	0.16	ug/kg
B-17 (1.5-2.5)	L1951248-06	BROMOBENZENE	10/31/2019		Y	N	U		U	2.0	0.14	ug/kg
B-17 (1.5-2.5)	L1951248-06	BROMOCHLOROMETHANE	10/31/2019		Y	N	U		U	2.0	0.20	ug/kg
B-17 (1.5-2.5)	L1951248-06	BROMODICHLOROMETHANE	10/31/2019		Y	N	U		U	0.50	0.11	ug/kg
B-17 (1.5-2.5)	L1951248-06	TETRACHLOROETHENE	10/31/2019	1.0	Y	Y				0.50	0.20	ug/kg
B-17 (1.5-2.5)	L1951248-06	BROMOMETHANE	10/31/2019		Y	N	U	UJ	UJ	2.0	0.58	ug/kg
B-17 (1.5-2.5)	L1951248-06	ACETONE	10/31/2019	10	Y	Y				10	4.8	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-17 (1.5-2.5)	L1951248-06	CARBON DISULFIDE	10/31/2019		Y	N	U		U	10	4.5	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,3,5-TRIMETHYLBENZENE	10/31/2019		Y	N	U		U	2.0	0.19	ug/kg
B-17 (1.5-2.5)	L1951248-06	CHLOROBENZENE	10/31/2019		Y	N	U		U	0.50	0.13	ug/kg
B-17 (1.5-2.5)	L1951248-06	CHLOROETHANE	10/31/2019		Y	N	U		U	2.0	0.45	ug/kg
B-17 (1.5-2.5)	L1951248-06	CHLOROMETHANE	10/31/2019		Y	N	U		U	4.0	0.93	ug/kg
B-17 (1.5-2.5)	L1951248-06	DIBROMOCHLOROMETHANE	10/31/2019		Y	N	U		U	1.0	0.14	ug/kg
B-17 (1.5-2.5)	L1951248-06	DIBROMOMETHANE	10/31/2019		Y	N	U		U	2.0	0.24	ug/kg
B-17 (1.5-2.5)	L1951248-06	DICHLORODIFLUOROMETHANE	10/31/2019		Y	N	U	UJ	UJ	10	0.91	ug/kg
B-17 (1.5-2.5)	L1951248-06	BROMOFORM	10/31/2019		Y	N	U		U	4.0	0.24	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,1-DICHLOROETHENE	10/31/2019		Y	N	U		U	1.0	0.24	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,2-DICHLOROPROPANE	10/31/2019		Y	N	U		U	1.0	0.12	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,2-DICHLOROETHENE (TOTAL)	10/31/2019		Y	N	U		U	1.0	0.14	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,2-DICHLOROETHANE	10/31/2019		Y	N	U		U	1.0	0.26	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,2-DICHLOROBENZENE	10/31/2019		Y	N	U		U	2.0	0.14	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,2-DIBROMOETHANE	10/31/2019		Y	N	U		U	1.0	0.28	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,2-DIBROMO-3-CHLOROPROPANE	10/31/2019		Y	N	U		U	3.0	1.0	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,2,4-TRIMETHYLBENZENE	10/31/2019		Y	N	U		U	2.0	0.33	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,2,4-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	2.0	0.27	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,2,4,5-TETRAMETHYLBENZENE	10/31/2019		Y	N	U		U	2.0	0.19	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,2,3-TRICHLOROPROPANE	10/31/2019		Y	N	U		U	2.0	0.13	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,1,1-TRICHLOROETHANE	10/31/2019	1.1	Y	Y				0.50	0.17	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,1-DICHLOROPROPENE	10/31/2019		Y	N	U		U	0.50	0.16	ug/kg
B-17 (1.5-2.5)	L1951248-06	ETHYL ETHER	10/31/2019		Y	N	U		U	2.0	0.34	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,1-DICHLOROETHANE	10/31/2019		Y	N	U		U	1.0	0.14	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,1,2-TRICHLOROETHANE	10/31/2019		Y	N	U		U	1.0	0.27	ug/kg

SDG: L1951248

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-17 (1.5-2.5)	L1951248-06	1,1,2,2-TETRACHLOROETHANE	10/31/2019		Y	N	U		U	0.50	0.16	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,1,1,2-TETRACHLOROETHANE	10/31/2019		Y	N	U		U	0.50	0.13	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,3-DICHLOROBENZENE	10/31/2019		Y	N	U		U	2.0	0.15	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,3-DICHLOROPROPANE	10/31/2019		Y	N	U		U	2.0	0.17	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,3-DICHLOROPROPENE, TOTAL	10/31/2019		Y	N	U		U	0.50	0.16	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,4-DICHLOROBENZENE	10/31/2019		Y	N	U		U	2.0	0.17	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,4-DIOXANE	10/31/2019		Y	N	U	UJ	UJ	80	35	ug/kg
B-17 (1.5-2.5)	L1951248-06	2,2-DICHLOROPROPANE	10/31/2019		Y	N	U		U	2.0	0.20	ug/kg
B-17 (1.5-2.5)	L1951248-06	TRICHLOROETHENE	10/31/2019	1.4	Y	Y				0.50	0.14	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,2,3-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	2.0	0.32	ug/kg
B-17 (1.5-2.5)	L1951248-06	VINYL ACETATE	10/31/2019		Y	N	U		U	10	2.1	ug/kg
B-17 (1.5-2.5)	L1951248-06	O-CHLOROTOLUENE	10/31/2019		Y	N	U		U	2.0	0.19	ug/kg
B-17 (1.5-2.5)	L1951248-06	ETHYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.14	ug/kg
B-17 (1.5-2.5)	L1951248-06	TRANS-1,4-DICHLORO-2-BUTENE	10/31/2019		Y	N	U		U	5.0	1.4	ug/kg
B-17 (1.5-2.5)	L1951248-06	CARBON TETRACHLORIDE	10/31/2019		Y	N	U		U	1.0	0.23	ug/kg
B-17 (1.5-2.5)	L1951248-06	TRANS-1,3-DICHLOROPROPENE	10/31/2019		Y	N	U		U	1.0	0.27	ug/kg
B-17 (1.5-2.5)	L1951248-06	P-ISOPROPYLTOLUENE	10/31/2019		Y	N	U		U	1.0	0.11	ug/kg
B-17 (1.5-2.5)	L1951248-06	TRANS-1,2-DICHLOROETHENE	10/31/2019		Y	N	U		U	1.5	0.14	ug/kg
B-17 (1.5-2.5)	L1951248-06	TERT-BUTYLBENZENE	10/31/2019		Y	N	U		U	2.0	0.12	ug/kg
B-17 (1.5-2.5)	L1951248-06	SEC-BUTYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.14	ug/kg
B-17 (1.5-2.5)	L1951248-06	N-PROPYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.17	ug/kg
B-17 (1.5-2.5)	L1951248-06	N-BUTYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.17	ug/kg
B-17 (1.5-2.5)	L1951248-06	CIS-1,3-DICHLOROPROPENE	10/31/2019		Y	N	U		U	0.50	0.16	ug/kg
B-17 (1.5-2.5)	L1951248-06	CIS-1,2-DICHLOROETHENE	10/31/2019		Y	N	U		U	1.0	0.17	ug/kg
B-17 (1.5-2.5)	L1951248-06	VINYL CHLORIDE	10/31/2019		Y	N	U	UJ	UJ	1.0	0.33	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-17 (1.5-2.5)	L1951248-06	O-XYLENE	10/31/2019		Y	N	U		U	1.0	0.29	ug/kg
B-17 (1.5-2.5)	L1951248-06	HEXACHLOROBUTADIENE	10/31/2019		Y	N	U		U	4.0	0.17	ug/kg
B-17 (1.5-2.5)	L1951248-06	ISOPROPYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.11	ug/kg
B-17 (1.5-2.5)	L1951248-06	METHYL TERT BUTYL ETHER	10/31/2019		Y	N	U		U	2.0	0.20	ug/kg
B-17 (1.5-2.5)	L1951248-06	METHYLENE CHLORIDE	10/31/2019		Y	N	U		U	5.0	2.3	ug/kg
B-17 (1.5-2.5)	L1951248-06	4-ETHYLTOLUENE	10/31/2019		Y	N	U		U	2.0	0.38	ug/kg
B-17 (1.5-2.5)	L1951248-06	XYLENE (TOTAL)	10/31/2019		Y	N	U		U	1.0	0.29	ug/kg
B-17 (1.5-2.5)	L1951248-06	P-CHLOROTOLUENE	10/31/2019		Y	N	U		U	2.0	0.11	ug/kg
B-17 (1.5-2.5)	L1951248-06	P/M-XYLENE	10/31/2019		Y	N	U		U	2.0	0.56	ug/kg
B-17 (1.5-2.5)	L1951248-06	NAPHTHALENE	10/31/2019		Y	N	U		U	4.0	0.65	ug/kg
B-17 (1.5-2.5)	L1951248-06	STYRENE	10/31/2019		Y	N	U		U	1.0	0.20	ug/kg
B-17 (1.5-2.5)	L1951248-06	TOLUENE	10/31/2019		Y	N	U		U	1.0	0.54	ug/kg
B-17 (1.5-2.5)	L1951248-06	TRICHLOROFLUOROMETHANE	10/31/2019		Y	N	U		U	4.0	0.69	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,4-DIETHYLBENZENE	10/31/2019		Y	N	U		U	2.0	0.18	ug/kg
B-18 (2-3)	L1951248-05	1,2,4,5-TETRAMETHYLBENZENE	10/31/2019		Y	N	U		U	2.0	0.19	ug/kg
B-18 (2-3)	L1951248-05	1,1,1,2-TETRACHLOROETHANE	10/31/2019		Y	N	U		U	0.50	0.13	ug/kg
B-18 (2-3)	L1951248-05	1,1,1-TRICHLOROETHANE	10/31/2019		Y	N	U		U	0.50	0.17	ug/kg
B-18 (2-3)	L1951248-05	1,1,2,2-TETRACHLOROETHANE	10/31/2019		Y	N	U		U	0.50	0.17	ug/kg
B-18 (2-3)	L1951248-05	1,1,2-TRICHLOROETHANE	10/31/2019		Y	N	U		U	1.0	0.27	ug/kg
B-18 (2-3)	L1951248-05	1,1-DICHLOROETHANE	10/31/2019		Y	N	U		U	1.0	0.15	ug/kg
B-18 (2-3)	L1951248-05	1,1-DICHLOROETHENE	10/31/2019		Y	N	U		U	1.0	0.24	ug/kg
B-18 (2-3)	L1951248-05	1,1-DICHLOROPROPENE	10/31/2019		Y	N	U		U	0.50	0.16	ug/kg
B-18 (2-3)	L1951248-05	1,2,3-TRICHLOROPROPANE	10/31/2019		Y	N	U		U	2.0	0.13	ug/kg
B-18 (2-3)	L1951248-05	XYLENE (TOTAL)	10/31/2019		Y	N	U		U	1.0	0.29	ug/kg
B-18 (2-3)	L1951248-05	1,2,4-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	2.0	0.27	ug/kg

SDG: L1951248

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-18 (2-3)	L1951248-05	1,2,4-TRIMETHYLBENZENE	10/31/2019		Y	N	U		U	2.0	0.34	ug/kg
B-18 (2-3)	L1951248-05	1,2-DIBROMO-3-CHLOROPROPANE	10/31/2019		Y	N	U		U	3.0	1.0	ug/kg
B-18 (2-3)	L1951248-05	1,2-DIBROMOETHANE	10/31/2019		Y	N	U		U	1.0	0.28	ug/kg
B-18 (2-3)	L1951248-05	1,2-DICHLOROBENZENE	10/31/2019		Y	N	U		U	2.0	0.14	ug/kg
B-18 (2-3)	L1951248-05	1,2-DICHLOROETHANE	10/31/2019		Y	N	U		U	1.0	0.26	ug/kg
B-18 (2-3)	L1951248-05	1,2,3-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	2.0	0.32	ug/kg
B-18 (2-3)	L1951248-05	P-CHLOROTOLUENE	10/31/2019		Y	N	U		U	2.0	0.11	ug/kg
B-18 (2-3)	L1951248-05	BROMOMETHANE	10/31/2019		Y	N	U	UJ	UJ	2.0	0.59	ug/kg
B-18 (2-3)	L1951248-05	CARBON DISULFIDE	10/31/2019		Y	N	U		U	10	4.6	ug/kg
B-18 (2-3)	L1951248-05	CIS-1,2-DICHLOROETHENE	10/31/2019		Y	N	U		U	1.0	0.18	ug/kg
B-18 (2-3)	L1951248-05	CARBON TETRACHLORIDE	10/31/2019		Y	N	U		U	1.0	0.23	ug/kg
B-18 (2-3)	L1951248-05	CHLOROBENZENE	10/31/2019		Y	N	U		U	0.50	0.13	ug/kg
B-18 (2-3)	L1951248-05	TERT-BUTYLBENZENE	10/31/2019		Y	N	U		U	2.0	0.12	ug/kg
B-18 (2-3)	L1951248-05	SEC-BUTYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.15	ug/kg
B-18 (2-3)	L1951248-05	P/M-XYLENE	10/31/2019		Y	N	U		U	2.0	0.56	ug/kg
B-18 (2-3)	L1951248-05	P-ISOPROPYLTOLUENE	10/31/2019		Y	N	U		U	1.0	0.11	ug/kg
B-18 (2-3)	L1951248-05	VINYL ACETATE	10/31/2019		Y	N	U		U	10	2.2	ug/kg
B-18 (2-3)	L1951248-05	1,4-DIETHYLBENZENE	10/31/2019		Y	N	U		U	2.0	0.18	ug/kg
B-18 (2-3)	L1951248-05	TRICHLOROETHENE	10/31/2019	0.81	Y	Y				0.50	0.14	ug/kg
B-18 (2-3)	L1951248-05	O-XYLENE	10/31/2019		Y	N	U		U	1.0	0.29	ug/kg
B-18 (2-3)	L1951248-05	O-CHLOROTOLUENE	10/31/2019		Y	N	U		U	2.0	0.19	ug/kg
B-18 (2-3)	L1951248-05	N-PROPYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.17	ug/kg
B-18 (2-3)	L1951248-05	CIS-1,3-DICHLOROPROPENE	10/31/2019		Y	N	U		U	0.50	0.16	ug/kg
B-18 (2-3)	L1951248-05	VINYL CHLORIDE	10/31/2019		Y	N	U	UJ	UJ	1.0	0.34	ug/kg
B-18 (2-3)	L1951248-05	TRICHLOROFLUOROMETHANE	10/31/2019		Y	N	U		U	4.0	0.70	ug/kg

SDG: L1951248

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-18 (2-3)	L1951248-05	TOLUENE	10/31/2019		Y	N	U		U	1.0	0.55	ug/kg
B-18 (2-3)	L1951248-05	STYRENE	10/31/2019		Y	N	U		U	1.0	0.20	ug/kg
B-18 (2-3)	L1951248-05	NAPHTHALENE	10/31/2019		Y	N	U		U	4.0	0.66	ug/kg
B-18 (2-3)	L1951248-05	4-ETHYLTOLUENE	10/31/2019		Y	N	U		U	2.0	0.39	ug/kg
B-18 (2-3)	L1951248-05	2,2-DICHLOROPROPANE	10/31/2019		Y	N	U		U	2.0	0.20	ug/kg
B-18 (2-3)	L1951248-05	ISOPROPYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.11	ug/kg
B-18 (2-3)	L1951248-05	N-BUTYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.17	ug/kg
B-18 (2-3)	L1951248-05	TRANS-1,4-DICHLORO-2-BUTENE	10/31/2019		Y	N	U		U	5.0	1.4	ug/kg
B-18 (2-3)	L1951248-05	1,2-DICHLOROPROPANE	10/31/2019		Y	N	U		U	1.0	0.13	ug/kg
B-18 (2-3)	L1951248-05	ETHYL ETHER	10/31/2019		Y	N	U		U	2.0	0.34	ug/kg
B-18 (2-3)	L1951248-05	CHLOROFORM	10/31/2019	0.16	Y	Y	J		J	1.5	0.14	ug/kg
B-18 (2-3)	L1951248-05	DICHLORODIFLUOROMETHANE	10/31/2019		Y	N	U	UJ	UJ	10	0.92	ug/kg
B-18 (2-3)	L1951248-05	DIBROMOMETHANE	10/31/2019		Y	N	U		U	2.0	0.24	ug/kg
B-18 (2-3)	L1951248-05	DIBROMOCHLOROMETHANE	10/31/2019		Y	N	U		U	1.0	0.14	ug/kg
B-18 (2-3)	L1951248-05	CHLOROMETHANE	10/31/2019		Y	N	U		U	4.0	0.94	ug/kg
B-18 (2-3)	L1951248-05	CHLOROETHANE	10/31/2019		Y	N	U		U	2.0	0.46	ug/kg
B-18 (2-3)	L1951248-05	1,3-DICHLOROPROPENE, TOTAL	10/31/2019		Y	N	U		U	0.50	0.16	ug/kg
B-18 (2-3)	L1951248-05	METHYL TERT BUTYL ETHER	10/31/2019		Y	N	U		U	2.0	0.20	ug/kg
B-18 (2-3)	L1951248-05	1,4-DIOXANE	10/31/2019		Y	N	U	UJ	UJ	81	35	ug/kg
B-18 (2-3)	L1951248-05	HEXACHLOROBUTADIENE	10/31/2019		Y	N	U		U	4.0	0.17	ug/kg
B-18 (2-3)	L1951248-05	BROMODICHLOROMETHANE	10/31/2019		Y	N	U		U	0.50	0.11	ug/kg
B-18 (2-3)	L1951248-05	2-BUTANONE	10/31/2019		Y	N	U		U	10	2.2	ug/kg
B-18 (2-3)	L1951248-05	BROMOCHLOROMETHANE	10/31/2019		Y	N	U		U	2.0	0.21	ug/kg
B-18 (2-3)	L1951248-05	BROMOBENZENE	10/31/2019		Y	N	U		U	2.0	0.15	ug/kg
B-18 (2-3)	L1951248-05	BENZENE	10/31/2019		Y	N	U		U	0.50	0.17	ug/kg

SDG: L1951248

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-18 (2-3)	L1951248-05	ACRYLONITRILE	10/31/2019		Y	N	U		U	4.0	1.2	ug/kg
B-18 (2-3)	L1951248-05	ACETONE	10/31/2019		Y	N	U		U	10	4.9	ug/kg
B-18 (2-3)	L1951248-05	4-METHYL-2-PENTANONE	10/31/2019		Y	N	U		U	10	1.3	ug/kg
B-18 (2-3)	L1951248-05	BROMOFORM	10/31/2019		Y	N	U		U	4.0	0.25	ug/kg
B-18 (2-3)	L1951248-05	2-HEXANONE	10/31/2019		Y	N	U		U	10	1.2	ug/kg
B-18 (2-3)	L1951248-05	1,3-DICHLOROBENZENE	10/31/2019		Y	N	U		U	2.0	0.15	ug/kg
B-18 (2-3)	L1951248-05	1,3,5-TRIMETHYLBENZENE	10/31/2019		Y	N	U		U	2.0	0.19	ug/kg
B-18 (2-3)	L1951248-05	1,4-DICHLOROBENZENE	10/31/2019		Y	N	U		U	2.0	0.17	ug/kg
B-18 (2-3)	L1951248-05	TRANS-1,3-DICHLOROPROPENE	10/31/2019		Y	N	U		U	1.0	0.28	ug/kg
B-18 (2-3)	L1951248-05	TRANS-1,2-DICHLOROETHENE	10/31/2019		Y	N	U		U	1.5	0.14	ug/kg
B-18 (2-3)	L1951248-05	METHYLENE CHLORIDE	10/31/2019		Y	N	U		U	5.0	2.3	ug/kg
B-18 (2-3)	L1951248-05	1,3-DICHLOROPROPANE	10/31/2019		Y	N	U		U	2.0	0.17	ug/kg
B-18 (2-3)	L1951248-05	TETRACHLOROETHENE	10/31/2019	6.9	Y	Y				0.50	0.20	ug/kg
B-18 (2-3)	L1951248-05	1,2-DICHLOROETHENE (TOTAL)	10/31/2019		Y	N	U		U	1.0	0.14	ug/kg
B-18 (2-3)	L1951248-05	ETHYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.14	ug/kg
B-19 (4-5)	L1951248-01	O-CHLOROTOLUENE	10/31/2019		Y	N	U		U	2.1	0.20	ug/kg
B-19 (4-5)	L1951248-01	P/M-XYLENE	10/31/2019		Y	N	U		U	2.1	0.60	ug/kg
B-19 (4-5)	L1951248-01	P-ISOPROPYLTOLUENE	10/31/2019		Y	N	U		U	1.1	0.12	ug/kg
B-19 (4-5)	L1951248-01	4-ETHYLTOLUENE	10/31/2019		Y	N	U		U	2.1	0.41	ug/kg
B-19 (4-5)	L1951248-01	1,4-DIETHYLBENZENE	10/31/2019		Y	N	U		U	2.1	0.19	ug/kg
B-19 (4-5)	L1951248-01	O-XYLENE	10/31/2019		Y	N	U		U	1.1	0.31	ug/kg
B-19 (4-5)	L1951248-01	TRANS-1,3-DICHLOROPROPENE	10/31/2019		Y	N	U		U	1.1	0.29	ug/kg
B-19 (4-5)	L1951248-01	ACRYLONITRILE	10/31/2019		Y	N	U		U	4.2	1.2	ug/kg
B-19 (4-5)	L1951248-01	BENZENE	10/31/2019		Y	N	U		U	0.53	0.18	ug/kg
B-19 (4-5)	L1951248-01	BROMOBENZENE	10/31/2019		Y	N	U		U	2.1	0.15	ug/kg

SDG: L1951248

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-19 (4-5)	L1951248-01	BROMOCHLOROMETHANE	10/31/2019		Y	N	U		U	2.1	0.22	ug/kg
B-19 (4-5)	L1951248-01	BROMODICHLOROMETHANE	10/31/2019		Y	N	U		U	0.53	0.12	ug/kg
B-19 (4-5)	L1951248-01	ETHYL ETHER	10/31/2019		Y	N	U		U	2.1	0.36	ug/kg
B-19 (4-5)	L1951248-01	P-CHLOROTOLUENE	10/31/2019		Y	N	U		U	2.1	0.11	ug/kg
B-19 (4-5)	L1951248-01	XYLENE (TOTAL)	10/31/2019		Y	N	U		U	1.1	0.31	ug/kg
B-19 (4-5)	L1951248-01	METHYLENE CHLORIDE	10/31/2019		Y	N	U		U	5.3	2.4	ug/kg
B-19 (4-5)	L1951248-01	NAPHTHALENE	10/31/2019		Y	N	U		U	4.2	0.69	ug/kg
B-19 (4-5)	L1951248-01	CHLOROETHANE	10/31/2019		Y	N	U		U	2.1	0.48	ug/kg
B-19 (4-5)	L1951248-01	STYRENE	10/31/2019		Y	N	U		U	1.1	0.21	ug/kg
B-19 (4-5)	L1951248-01	TOLUENE	10/31/2019		Y	N	U		U	1.1	0.58	ug/kg
B-19 (4-5)	L1951248-01	TRICHLOROFLUOROMETHANE	10/31/2019		Y	N	U		U	4.2	0.74	ug/kg
B-19 (4-5)	L1951248-01	TERT-BUTYLBENZENE	10/31/2019		Y	N	U		U	2.1	0.12	ug/kg
B-19 (4-5)	L1951248-01	VINYL CHLORIDE	10/31/2019		Y	N	U	UJ	UJ	1.1	0.36	ug/kg
B-19 (4-5)	L1951248-01	SEC-BUTYLBENZENE	10/31/2019		Y	N	U		U	1.1	0.16	ug/kg
B-19 (4-5)	L1951248-01	CIS-1,3-DICHLOROPROPENE	10/31/2019		Y	N	U		U	0.53	0.17	ug/kg
B-19 (4-5)	L1951248-01	N-BUTYLBENZENE	10/31/2019		Y	N	U		U	1.1	0.18	ug/kg
B-19 (4-5)	L1951248-01	DIBROMOMETHANE	10/31/2019		Y	N	U		U	2.1	0.25	ug/kg
B-19 (4-5)	L1951248-01	TRICHLOROETHENE	10/31/2019	4.9	Y	Y				0.53	0.14	ug/kg
B-19 (4-5)	L1951248-01	TRANS-1,4-DICHLORO-2-BUTENE	10/31/2019		Y	N	U		U	5.3	1.5	ug/kg
B-19 (4-5)	L1951248-01	TRANS-1,2-DICHLOROETHENE	10/31/2019		Y	N	U		U	1.6	0.14	ug/kg
B-19 (4-5)	L1951248-01	VINYL ACETATE	10/31/2019		Y	N	U		U	11	2.3	ug/kg
B-19 (4-5)	L1951248-01	1,4-DICHLOROBENZENE	10/31/2019		Y	N	U		U	2.1	0.18	ug/kg
B-19 (4-5)	L1951248-01	1,1,2-TRICHLOROETHANE	10/31/2019		Y	N	U		U	1.1	0.28	ug/kg
B-19 (4-5)	L1951248-01	CHLOROMETHANE	10/31/2019		Y	N	U		U	4.2	0.99	ug/kg
B-19 (4-5)	L1951248-01	1,1-DICHLOROPROPENE	10/31/2019		Y	N	U		U	0.53	0.17	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-19 (4-5)	L1951248-01	1,2,3-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	2.1	0.34	ug/kg
B-19 (4-5)	L1951248-01	1,2,3-TRICHLOROPROPANE	10/31/2019		Y	N	U		U	2.1	0.14	ug/kg
B-19 (4-5)	L1951248-01	1,2,4,5-TETRAMETHYLBENZENE	10/31/2019		Y	N	U		U	2.1	0.20	ug/kg
B-19 (4-5)	L1951248-01	DICHLORODIFLUOROMETHANE	10/31/2019		Y	N	U	UJ	UJ	11	0.97	ug/kg
B-19 (4-5)	L1951248-01	METHYL TERT BUTYL ETHER	10/31/2019		Y	N	U		U	2.1	0.21	ug/kg
B-19 (4-5)	L1951248-01	4-METHYL-2-PENTANONE	10/31/2019		Y	N	U		U	11	1.4	ug/kg
B-19 (4-5)	L1951248-01	2-HEXANONE	10/31/2019		Y	N	U		U	11	1.2	ug/kg
B-19 (4-5)	L1951248-01	2-BUTANONE	10/31/2019		Y	N	U		U	11	2.4	ug/kg
B-19 (4-5)	L1951248-01	DIBROMOCHLOROMETHANE	10/31/2019		Y	N	U		U	1.1	0.15	ug/kg
B-19 (4-5)	L1951248-01	1,4-DIOXANE	10/31/2019		Y	N	U	UJ	UJ	85	37	ug/kg
B-19 (4-5)	L1951248-01	1,1,2,2-TETRACHLOROETHANE	10/31/2019		Y	N	U		U	0.53	0.18	ug/kg
B-19 (4-5)	L1951248-01	1,3-DICHLOROPROPENE, TOTAL	10/31/2019		Y	N	U		U	0.53	0.17	ug/kg
B-19 (4-5)	L1951248-01	1,2,4-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	2.1	0.29	ug/kg
B-19 (4-5)	L1951248-01	1,2,4-TRIMETHYLBENZENE	10/31/2019		Y	N	U		U	2.1	0.36	ug/kg
B-19 (4-5)	L1951248-01	1,2-DIBROMO-3-CHLOROPROPANE	10/31/2019		Y	N	U		U	3.2	1.1	ug/kg
B-19 (4-5)	L1951248-01	1,2-DIBROMOETHANE	10/31/2019		Y	N	U		U	1.1	0.30	ug/kg
B-19 (4-5)	L1951248-01	1,3-DICHLOROPROPANE	10/31/2019		Y	N	U		U	2.1	0.18	ug/kg
B-19 (4-5)	L1951248-01	1,2-DICHLOROBENZENE	10/31/2019		Y	N	U		U	2.1	0.15	ug/kg
B-19 (4-5)	L1951248-01	1,3-DICHLOROBENZENE	10/31/2019		Y	N	U		U	2.1	0.16	ug/kg
B-19 (4-5)	L1951248-01	1,2-DICHLOROETHANE	10/31/2019		Y	N	U		U	1.1	0.27	ug/kg
B-19 (4-5)	L1951248-01	1,2-DICHLOROPROPANE	10/31/2019		Y	N	U		U	1.1	0.13	ug/kg
B-19 (4-5)	L1951248-01	1,3,5-TRIMETHYLBENZENE	10/31/2019		Y	N	U		U	2.1	0.20	ug/kg
B-19 (4-5)	L1951248-01	2,2-DICHLOROPROPANE	10/31/2019		Y	N	U		U	2.1	0.21	ug/kg
B-19 (4-5)	L1951248-01	HEXACHLOROBUTADIENE	10/31/2019		Y	N	U		U	4.2	0.18	ug/kg
B-19 (4-5)	L1951248-01	N-PROPYLBENZENE	10/31/2019		Y	N	U		U	1.1	0.18	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-19 (4-5)	L1951248-01	CHLOROFORM	10/31/2019		Y	N	U		U	1.6	0.15	ug/kg
B-19 (4-5)	L1951248-01	CHLOROBENZENE	10/31/2019		Y	N	U		U	0.53	0.14	ug/kg
B-19 (4-5)	L1951248-01	CARBON TETRACHLORIDE	10/31/2019		Y	N	U		U	1.1	0.24	ug/kg
B-19 (4-5)	L1951248-01	CARBON DISULFIDE	10/31/2019		Y	N	U		U	11	4.8	ug/kg
B-19 (4-5)	L1951248-01	BROMOMETHANE	10/31/2019		Y	N	U	UJ	UJ	2.1	0.62	ug/kg
B-19 (4-5)	L1951248-01	BROMOFORM	10/31/2019		Y	N	U		U	4.2	0.26	ug/kg
B-19 (4-5)	L1951248-01	1,1-DICHLOROETHANE	10/31/2019	0.39	Y	Y	J		J	1.1	0.15	ug/kg
B-19 (4-5)	L1951248-01	ETHYLBENZENE	10/31/2019		Y	N	U		U	1.1	0.15	ug/kg
B-19 (4-5)	L1951248-01	ACETONE	10/31/2019	13	Y	Y				11	5.1	ug/kg
B-19 (4-5)	L1951248-01	1,1-DICHLOROETHENE	10/31/2019	0.62	Y	Y	J		J	1.1	0.25	ug/kg
B-19 (4-5)	L1951248-01	ISOPROPYLBENZENE	10/31/2019		Y	N	U		U	1.1	0.12	ug/kg
B-19 (4-5)	L1951248-01	1,2-DICHLOROETHENE (TOTAL)	10/31/2019	0.27	Y	Y	J		J	1.1	0.14	ug/kg
B-19 (4-5)	L1951248-01	1,1,1-TRICHLOROETHANE	10/31/2019		Y	N	U		U	0.53	0.18	ug/kg
B-19 (4-5)	L1951248-01	1,1,1,2-TETRACHLOROETHANE	10/31/2019		Y	N	U		U	0.53	0.14	ug/kg
B-19 (4-5)	L1951248-01	CIS-1,2-DICHLOROETHENE	10/31/2019	0.27	Y	Y	J		J	1.1	0.19	ug/kg
B-19 (4-5)	L1951248-01	TETRACHLOROETHENE	10/31/2019	0.51	Y	Y	J		J	0.53	0.21	ug/kg
B-19 (5.5-6.5)	L1951248-02	N-PROPYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.17	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,4-DIOXANE	10/31/2019		Y	N	U	UJ	UJ	81	36	ug/kg
B-19 (5.5-6.5)	L1951248-02	VINYL CHLORIDE	10/31/2019		Y	N	U	UJ	UJ	1.0	0.34	ug/kg
B-19 (5.5-6.5)	L1951248-02	XYLENE (TOTAL)	10/31/2019		Y	N	U		U	1.0	0.29	ug/kg
B-19 (5.5-6.5)	L1951248-02	CIS-1,3-DICHLOROPROPENE	10/31/2019		Y	N	U		U	0.51	0.16	ug/kg
B-19 (5.5-6.5)	L1951248-02	TRICHLOROETHENE	10/31/2019	63	Y	Y				0.51	0.14	ug/kg
B-19 (5.5-6.5)	L1951248-02	TRICHLOROFLUOROMETHANE	10/31/2019		Y	N	U		U	4.0	0.70	ug/kg
B-19 (5.5-6.5)	L1951248-02	TOLUENE	10/31/2019		Y	N	U		U	1.0	0.55	ug/kg
B-19 (5.5-6.5)	L1951248-02	STYRENE	10/31/2019		Y	N	U		U	1.0	0.20	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-19 (5.5-6.5)	L1951248-02	2-BUTANONE	10/31/2019	3.4	Y	Y	J		J	10	2.2	ug/kg
B-19 (5.5-6.5)	L1951248-02	NAPHTHALENE	10/31/2019		Y	N	U		U	4.0	0.66	ug/kg
B-19 (5.5-6.5)	L1951248-02	N-BUTYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.17	ug/kg
B-19 (5.5-6.5)	L1951248-02	METHYLENE CHLORIDE	10/31/2019		Y	N	U		U	5.1	2.3	ug/kg
B-19 (5.5-6.5)	L1951248-02	ACETONE	10/31/2019	20	Y	Y				10	4.9	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,4-DIETHYLBENZENE	10/31/2019		Y	N	U		U	2.0	0.18	ug/kg
B-19 (5.5-6.5)	L1951248-02	CHLOROFORM	10/31/2019		Y	N	U		U	1.5	0.14	ug/kg
B-19 (5.5-6.5)	L1951248-02	CHLOROMETHANE	10/31/2019		Y	N	U		U	4.0	0.94	ug/kg
B-19 (5.5-6.5)	L1951248-02	DIBROMOCHLOROMETHANE	10/31/2019		Y	N	U		U	1.0	0.14	ug/kg
B-19 (5.5-6.5)	L1951248-02	DIBROMOMETHANE	10/31/2019		Y	N	U		U	2.0	0.24	ug/kg
B-19 (5.5-6.5)	L1951248-02	DICHLORODIFLUOROMETHANE	10/31/2019		Y	N	U	UJ	UJ	10	0.93	ug/kg
B-19 (5.5-6.5)	L1951248-02	ETHYL ETHER	10/31/2019		Y	N	U		U	2.0	0.34	ug/kg
B-19 (5.5-6.5)	L1951248-02	ETHYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.14	ug/kg
B-19 (5.5-6.5)	L1951248-02	HEXACHLOROBUTADIENE	10/31/2019		Y	N	U		U	4.0	0.17	ug/kg
B-19 (5.5-6.5)	L1951248-02	ISOPROPYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.11	ug/kg
B-19 (5.5-6.5)	L1951248-02	METHYL TERT BUTYL ETHER	10/31/2019		Y	N	U		U	2.0	0.20	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,2-DICHLOROETHENE (TOTAL)	10/31/2019	0.29	Y	Y	J		J	1.0	0.14	ug/kg
B-19 (5.5-6.5)	L1951248-02	CIS-1,2-DICHLOROETHENE	10/31/2019	0.29	Y	Y	J		J	1.0	0.18	ug/kg
B-19 (5.5-6.5)	L1951248-02	O-CHLOROTOLUENE	10/31/2019		Y	N	U		U	2.0	0.19	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,3-DICHLOROPROPENE, TOTAL	10/31/2019		Y	N	U		U	0.51	0.16	ug/kg
B-19 (5.5-6.5)	L1951248-02	TRANS-1,2-DICHLOROETHENE	10/31/2019		Y	N	U		U	1.5	0.14	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,1,1-TRICHLOROETHANE	10/31/2019	1.9	Y	Y				0.51	0.17	ug/kg
B-19 (5.5-6.5)	L1951248-02	TETRACHLOROETHENE	10/31/2019	1.6	Y	Y				0.51	0.20	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,1-DICHLOROETHENE	10/31/2019	1.2	Y	Y				1.0	0.24	ug/kg
B-19 (5.5-6.5)	L1951248-02	VINYL ACETATE	10/31/2019		Y	N	U		U	10	2.2	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-19 (5.5-6.5)	L1951248-02	1,1-DICHLOROETHANE	10/31/2019	2.0	Y	Y				1.0	0.15	ug/kg
B-19 (5.5-6.5)	L1951248-02	O-XYLENE	10/31/2019		Y	N	U		U	1.0	0.29	ug/kg
B-19 (5.5-6.5)	L1951248-02	TRANS-1,3-DICHLOROPROPENE	10/31/2019		Y	N	U		U	1.0	0.28	ug/kg
B-19 (5.5-6.5)	L1951248-02	P-CHLOROTOLUENE	10/31/2019		Y	N	U		U	2.0	0.11	ug/kg
B-19 (5.5-6.5)	L1951248-02	TERT-BUTYLBENZENE	10/31/2019		Y	N	U		U	2.0	0.12	ug/kg
B-19 (5.5-6.5)	L1951248-02	SEC-BUTYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.15	ug/kg
B-19 (5.5-6.5)	L1951248-02	P/M-XYLENE	10/31/2019		Y	N	U		U	2.0	0.57	ug/kg
B-19 (5.5-6.5)	L1951248-02	P-ISOPROPYLTOLUENE	10/31/2019		Y	N	U		U	1.0	0.11	ug/kg
B-19 (5.5-6.5)	L1951248-02	4-ETHYLTOLUENE	10/31/2019		Y	N	U		U	2.0	0.39	ug/kg
B-19 (5.5-6.5)	L1951248-02	CARBON TETRACHLORIDE	10/31/2019		Y	N	U		U	1.0	0.23	ug/kg
B-19 (5.5-6.5)	L1951248-02	TRANS-1,4-DICHLORO-2-BUTENE	10/31/2019		Y	N	U		U	5.1	1.4	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,3-DICHLOROBENZENE	10/31/2019		Y	N	U		U	2.0	0.15	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,1,2,2-TETRACHLOROETHANE	10/31/2019		Y	N	U		U	0.51	0.17	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,1,2-TRICHLOROETHANE	10/31/2019		Y	N	U		U	1.0	0.27	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,1-DICHLOROPROPENE	10/31/2019		Y	N	U		U	0.51	0.16	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,2,3-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	2.0	0.33	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,2,3-TRICHLOROPROPANE	10/31/2019		Y	N	U		U	2.0	0.13	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,2,4,5-TETRAMETHYLBENZENE	10/31/2019		Y	N	U		U	2.0	0.19	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,2,4-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	2.0	0.28	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,2,4-TRIMETHYLBENZENE	10/31/2019		Y	N	U		U	2.0	0.34	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,2-DIBROMO-3-CHLOROPROPANE	10/31/2019		Y	N	U		U	3.0	1.0	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,2-DIBROMOETHANE	10/31/2019		Y	N	U		U	1.0	0.28	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,2-DICHLOROBENZENE	10/31/2019		Y	N	U		U	2.0	0.14	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,2-DICHLOROETHANE	10/31/2019		Y	N	U		U	1.0	0.26	ug/kg
B-19 (5.5-6.5)	L1951248-02	CHLOROETHANE	10/31/2019		Y	N	U		U	2.0	0.46	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-19 (5.5-6.5)	L1951248-02	1,3,5-TRIMETHYLBENZENE	10/31/2019		Y	N	U		U	2.0	0.20	ug/kg
B-19 (5.5-6.5)	L1951248-02	BENZENE	10/31/2019		Y	N	U		U	0.51	0.17	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,1,1,2-TETRACHLOROETHANE	10/31/2019		Y	N	U		U	0.51	0.13	ug/kg
B-19 (5.5-6.5)	L1951248-02	CARBON DISULFIDE	10/31/2019		Y	N	U		U	10	4.6	ug/kg
B-19 (5.5-6.5)	L1951248-02	BROMOMETHANE	10/31/2019		Y	N	U	UJ	UJ	2.0	0.59	ug/kg
B-19 (5.5-6.5)	L1951248-02	BROMOFORM	10/31/2019		Y	N	U		U	4.0	0.25	ug/kg
B-19 (5.5-6.5)	L1951248-02	BROMODICHLOROMETHANE	10/31/2019		Y	N	U		U	0.51	0.11	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,2-DICHLOROPROPANE	10/31/2019		Y	N	U		U	1.0	0.13	ug/kg
B-19 (5.5-6.5)	L1951248-02	BROMOBENZENE	10/31/2019		Y	N	U		U	2.0	0.15	ug/kg
B-19 (5.5-6.5)	L1951248-02	CHLOROBENZENE	10/31/2019		Y	N	U		U	0.51	0.13	ug/kg
B-19 (5.5-6.5)	L1951248-02	ACRYLONITRILE	10/31/2019		Y	N	U		U	4.0	1.2	ug/kg
B-19 (5.5-6.5)	L1951248-02	4-METHYL-2-PENTANONE	10/31/2019		Y	N	U		U	10	1.3	ug/kg
B-19 (5.5-6.5)	L1951248-02	2-HEXANONE	10/31/2019		Y	N	U		U	10	1.2	ug/kg
B-19 (5.5-6.5)	L1951248-02	2,2-DICHLOROPROPANE	10/31/2019		Y	N	U		U	2.0	0.20	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,4-DICHLOROBENZENE	10/31/2019		Y	N	U		U	2.0	0.17	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,3-DICHLOROPROPANE	10/31/2019		Y	N	U		U	2.0	0.17	ug/kg
B-19 (5.5-6.5)	L1951248-02	BROMOCHLOROMETHANE	10/31/2019		Y	N	U		U	2.0	0.21	ug/kg
WC-B2 (3)-VOCS	L1951248-08	TETRACHLOROETHENE	10/31/2019	6.8	Y	Y				0.53	0.21	ug/kg
WC-B2 (3)-VOCS	L1951248-08	ACRYLONITRILE	10/31/2019		Y	N	U		U	4.2	1.2	ug/kg
WC-B2 (3)-VOCS	L1951248-08	CARBON TETRACHLORIDE	10/31/2019		Y	N	U		U	1.0	0.24	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,3-DICHLOROPROPENE, TOTAL	10/31/2019		Y	N	U		U	0.53	0.17	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,4-DICHLOROBENZENE	10/31/2019		Y	N	U		U	2.1	0.18	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,4-DIOXANE	10/31/2019		Y	N	U	UJ	UJ	84	37	ug/kg
WC-B2 (3)-VOCS	L1951248-08	2,2-DICHLOROPROPANE	10/31/2019		Y	N	U		U	2.1	0.21	ug/kg
WC-B2 (3)-VOCS	L1951248-08	2-BUTANONE	10/31/2019		Y	N	U		U	10	2.3	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B2 (3)-VOCS	L1951248-08	2-HEXANONE	10/31/2019		Y	N	U		U	10	1.2	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,3-DICHLOROBENZENE	10/31/2019		Y	N	U		U	2.1	0.16	ug/kg
WC-B2 (3)-VOCS	L1951248-08	ACETONE	10/31/2019		Y	N	U		U	10	5.1	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,1,1,2-TETRACHLOROETHANE	10/31/2019		Y	N	U		U	0.53	0.14	ug/kg
WC-B2 (3)-VOCS	L1951248-08	BENZENE	10/31/2019		Y	N	U		U	0.53	0.18	ug/kg
WC-B2 (3)-VOCS	L1951248-08	BROMOBENZENE	10/31/2019		Y	N	U		U	2.1	0.15	ug/kg
WC-B2 (3)-VOCS	L1951248-08	BROMOCHLOROMETHANE	10/31/2019		Y	N	U		U	2.1	0.22	ug/kg
WC-B2 (3)-VOCS	L1951248-08	BROMODICHLOROMETHANE	10/31/2019		Y	N	U		U	0.53	0.12	ug/kg
WC-B2 (3)-VOCS	L1951248-08	BROMOFORM	10/31/2019		Y	N	U		U	4.2	0.26	ug/kg
WC-B2 (3)-VOCS	L1951248-08	BROMOMETHANE	10/31/2019		Y	N	U	UJ	UJ	2.1	0.61	ug/kg
WC-B2 (3)-VOCS	L1951248-08	P-ISOPROPYLTOLUENE	10/31/2019		Y	N	U		U	1.0	0.12	ug/kg
WC-B2 (3)-VOCS	L1951248-08	4-METHYL-2-PENTANONE	10/31/2019		Y	N	U		U	10	1.4	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,3,5-TRIMETHYLBENZENE	10/31/2019		Y	N	U		U	2.1	0.20	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,2,4,5-TETRAMETHYLBENZENE	10/31/2019		Y	N	U		U	2.1	0.20	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,2,4-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	2.1	0.29	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,2,4-TRIMETHYLBENZENE	10/31/2019		Y	N	U		U	2.1	0.35	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,2-DIBROMO-3-CHLOROPROPANE	10/31/2019		Y	N	U		U	3.2	1.0	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,2-DIBROMOETHANE	10/31/2019		Y	N	U		U	1.0	0.29	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,2-DICHLOROBENZENE	10/31/2019		Y	N	U		U	2.1	0.15	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,2-DICHLOROETHANE	10/31/2019		Y	N	U		U	1.0	0.27	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,3-DICHLOROPROPANE	10/31/2019		Y	N	U		U	2.1	0.18	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,2-DICHLOROPROPANE	10/31/2019		Y	N	U		U	1.0	0.13	ug/kg
WC-B2 (3)-VOCS	L1951248-08	CHLOROBENZENE	10/31/2019		Y	N	U		U	0.53	0.13	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,2,3-TRICHLOROPROPANE	10/31/2019		Y	N	U		U	2.1	0.13	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,2,3-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	2.1	0.34	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B2 (3)-VOCS	L1951248-08	1,1-DICHLOROPROPENE	10/31/2019		Y	N	U		U	0.53	0.17	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,1-DICHLOROETHENE	10/31/2019		Y	N	U		U	1.0	0.25	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,1-DICHLOROETHANE	10/31/2019		Y	N	U		U	1.0	0.15	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,1,2-TRICHLOROETHANE	10/31/2019		Y	N	U		U	1.0	0.28	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,1,2,2-TETRACHLOROETHANE	10/31/2019		Y	N	U		U	0.53	0.18	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,2-DICHLOROETHENE (TOTAL)	10/31/2019		Y	N	U		U	1.0	0.14	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,4-DIETHYLBENZENE	10/31/2019		Y	N	U		U	2.1	0.19	ug/kg
WC-B2 (3)-VOCS	L1951248-08	CARBON DISULFIDE	10/31/2019		Y	N	U		U	10	4.8	ug/kg
WC-B2 (3)-VOCS	L1951248-08	CIS-1,2-DICHLOROETHENE	10/31/2019		Y	N	U		U	1.0	0.18	ug/kg
WC-B2 (3)-VOCS	L1951248-08	CIS-1,3-DICHLOROPROPENE	10/31/2019		Y	N	U		U	0.53	0.17	ug/kg
WC-B2 (3)-VOCS	L1951248-08	N-BUTYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.18	ug/kg
WC-B2 (3)-VOCS	L1951248-08	N-PROPYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.18	ug/kg
WC-B2 (3)-VOCS	L1951248-08	O-CHLOROTOLUENE	10/31/2019		Y	N	U		U	2.1	0.20	ug/kg
WC-B2 (3)-VOCS	L1951248-08	VINYL CHLORIDE	10/31/2019		Y	N	U	UJ	UJ	1.0	0.35	ug/kg
WC-B2 (3)-VOCS	L1951248-08	P-CHLOROTOLUENE	10/31/2019		Y	N	U		U	2.1	0.11	ug/kg
WC-B2 (3)-VOCS	L1951248-08	VINYL ACETATE	10/31/2019		Y	N	U		U	10	2.3	ug/kg
WC-B2 (3)-VOCS	L1951248-08	4-ETHYLTOLUENE	10/31/2019		Y	N	U		U	2.1	0.40	ug/kg
WC-B2 (3)-VOCS	L1951248-08	P/M-XYLENE	10/31/2019		Y	N	U		U	2.1	0.59	ug/kg
WC-B2 (3)-VOCS	L1951248-08	SEC-BUTYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.15	ug/kg
WC-B2 (3)-VOCS	L1951248-08	TERT-BUTYLBENZENE	10/31/2019		Y	N	U		U	2.1	0.12	ug/kg
WC-B2 (3)-VOCS	L1951248-08	TRANS-1,2-DICHLOROETHENE	10/31/2019		Y	N	U		U	1.6	0.14	ug/kg
WC-B2 (3)-VOCS	L1951248-08	TRANS-1,3-DICHLOROPROPENE	10/31/2019		Y	N	U		U	1.0	0.29	ug/kg
WC-B2 (3)-VOCS	L1951248-08	TRANS-1,4-DICHLORO-2-BUTENE	10/31/2019		Y	N	U		U	5.3	1.5	ug/kg
WC-B2 (3)-VOCS	L1951248-08	O-XYLENE	10/31/2019		Y	N	U		U	1.0	0.31	ug/kg
WC-B2 (3)-VOCS	L1951248-08	HEXACHLOROBUTADIENE	10/31/2019		Y	N	U		U	4.2	0.18	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B2 (3)-VOCS	L1951248-08	CHLOROETHANE	10/31/2019		Y	N	U		U	2.1	0.48	ug/kg
WC-B2 (3)-VOCS	L1951248-08	CHLOROFORM	10/31/2019		Y	N	U		U	1.6	0.15	ug/kg
WC-B2 (3)-VOCS	L1951248-08	CHLOROMETHANE	10/31/2019		Y	N	U		U	4.2	0.98	ug/kg
WC-B2 (3)-VOCS	L1951248-08	DIBROMOCHLOROMETHANE	10/31/2019		Y	N	U		U	1.0	0.15	ug/kg
WC-B2 (3)-VOCS	L1951248-08	DIBROMOMETHANE	10/31/2019		Y	N	U		U	2.1	0.25	ug/kg
WC-B2 (3)-VOCS	L1951248-08	DICHLORODIFLUOROMETHANE	10/31/2019		Y	N	U	UJ	UJ	10	0.97	ug/kg
WC-B2 (3)-VOCS	L1951248-08	ETHYL ETHER	10/31/2019		Y	N	U		U	2.1	0.36	ug/kg
WC-B2 (3)-VOCS	L1951248-08	XYLENE (TOTAL)	10/31/2019		Y	N	U		U	1.0	0.31	ug/kg
WC-B2 (3)-VOCS	L1951248-08	ETHYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.15	ug/kg
WC-B2 (3)-VOCS	L1951248-08	1,1,1-TRICHLOROETHANE	10/31/2019	0.37	Y	Y	J		J	0.53	0.18	ug/kg
WC-B2 (3)-VOCS	L1951248-08	ISOPROPYLBENZENE	10/31/2019		Y	N	U		U	1.0	0.12	ug/kg
WC-B2 (3)-VOCS	L1951248-08	METHYL TERT BUTYL ETHER	10/31/2019		Y	N	U		U	2.1	0.21	ug/kg
WC-B2 (3)-VOCS	L1951248-08	METHYLENE CHLORIDE	10/31/2019		Y	N	U		U	5.3	2.4	ug/kg
WC-B2 (3)-VOCS	L1951248-08	TRICHLOROETHENE	10/31/2019	2.0	Y	Y				0.53	0.14	ug/kg
WC-B2 (3)-VOCS	L1951248-08	NAPHTHALENE	10/31/2019		Y	N	U		U	4.2	0.69	ug/kg
WC-B2 (3)-VOCS	L1951248-08	STYRENE	10/31/2019		Y	N	U		U	1.0	0.21	ug/kg
WC-B2 (3)-VOCS	L1951248-08	TOLUENE	10/31/2019		Y	N	U		U	1.0	0.57	ug/kg
WC-B2 (3)-VOCS	L1951248-08	TRICHLOROFLUOROMETHANE	10/31/2019		Y	N	U		U	4.2	0.73	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,1-DICHLOROETHENE	10/31/2019		Y	N	U		U	2.7	0.64	ug/kg
WC-B2-(8)-VOCS	L1951248-10	CHLOROETHANE	10/31/2019		Y	N	U		U	5.4	1.2	ug/kg
WC-B2-(8)-VOCS	L1951248-10	BROMOBENZENE	10/31/2019		Y	N	U		U	5.4	0.39	ug/kg
WC-B2-(8)-VOCS	L1951248-10	ETHYLBENZENE	10/31/2019		Y	N	U		U	2.7	0.38	ug/kg
WC-B2-(8)-VOCS	L1951248-10	ETHYL ETHER	10/31/2019		Y	N	U		U	5.4	0.92	ug/kg
WC-B2-(8)-VOCS	L1951248-10	DICHLORODIFLUOROMETHANE	10/31/2019		Y	N	U		U	27	2.4	ug/kg
WC-B2-(8)-VOCS	L1951248-10	DIBROMOMETHANE	10/31/2019		Y	N	U		U	5.4	0.64	ug/kg

SDG: L1951248

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B2-(8)-VOCS	L1951248-10	DIBROMOCHLOROMETHANE	10/31/2019		Y	N	U		U	2.7	0.38	ug/kg
WC-B2-(8)-VOCS	L1951248-10	ISOPROPYLBENZENE	10/31/2019		Y	N	U		U	2.7	0.29	ug/kg
WC-B2-(8)-VOCS	L1951248-10	CHLOROFORM	10/31/2019		Y	N	U		U	4.0	0.38	ug/kg
WC-B2-(8)-VOCS	L1951248-10	METHYL TERT BUTYL ETHER	10/31/2019		Y	N	U		U	5.4	0.54	ug/kg
WC-B2-(8)-VOCS	L1951248-10	CHLOROBENZENE	10/31/2019		Y	N	U		U	1.3	0.34	ug/kg
WC-B2-(8)-VOCS	L1951248-10	CARBON TETRACHLORIDE	10/31/2019		Y	N	U		U	2.7	0.62	ug/kg
WC-B2-(8)-VOCS	L1951248-10	CARBON DISULFIDE	10/31/2019		Y	N	U		U	27	12	ug/kg
WC-B2-(8)-VOCS	L1951248-10	BROMOMETHANE	10/31/2019		Y	N	U	UJ	UJ	5.4	1.6	ug/kg
WC-B2-(8)-VOCS	L1951248-10	BROMOFORM	10/31/2019		Y	N	U		U	11	0.66	ug/kg
WC-B2-(8)-VOCS	L1951248-10	BROMODICHLOROMETHANE	10/31/2019		Y	N	U		U	1.3	0.29	ug/kg
WC-B2-(8)-VOCS	L1951248-10	TERT-BUTYLBENZENE	10/31/2019		Y	N	U		U	5.4	0.32	ug/kg
WC-B2-(8)-VOCS	L1951248-10	CHLOROMETHANE	10/31/2019		Y	N	U		U	11	2.5	ug/kg
WC-B2-(8)-VOCS	L1951248-10	CIS-1,2-DICHLOROETHENE	10/31/2019		Y	N	U		U	2.7	0.47	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,2,3-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	5.4	0.86	ug/kg
WC-B2-(8)-VOCS	L1951248-10	P/M-XYLENE	10/31/2019		Y	N	U		U	5.4	1.5	ug/kg
WC-B2-(8)-VOCS	L1951248-10	P-ISOPROPYLTOLUENE	10/31/2019		Y	N	U		U	2.7	0.29	ug/kg
WC-B2-(8)-VOCS	L1951248-10	4-ETHYLTOLUENE	10/31/2019		Y	N	U		U	5.4	1.0	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,4-DIETHYLBENZENE	10/31/2019		Y	N	U		U	5.4	0.48	ug/kg
WC-B2-(8)-VOCS	L1951248-10	P-CHLOROTOLUENE	10/31/2019		Y	N	U		U	5.4	0.29	ug/kg
WC-B2-(8)-VOCS	L1951248-10	HEXACHLOROBUTADIENE	10/31/2019		Y	N	U		U	11	0.45	ug/kg
WC-B2-(8)-VOCS	L1951248-10	O-CHLOROTOLUENE	10/31/2019		Y	N	U		U	5.4	0.51	ug/kg
WC-B2-(8)-VOCS	L1951248-10	BENZENE	10/31/2019		Y	N	U		U	1.3	0.45	ug/kg
WC-B2-(8)-VOCS	L1951248-10	XYLENE (TOTAL)	10/31/2019		Y	N	U		U	2.7	0.78	ug/kg
WC-B2-(8)-VOCS	L1951248-10	VINYL CHLORIDE	10/31/2019		Y	N	U		U	2.7	0.90	ug/kg
WC-B2-(8)-VOCS	L1951248-10	VINYL ACETATE	10/31/2019		Y	N	U		U	27	5.8	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B2-(8)-VOCS	L1951248-10	TRICHLOROFLUOROMETHANE	10/31/2019		Y	N	U		U	11	1.9	ug/kg
WC-B2-(8)-VOCS	L1951248-10	TOLUENE	10/31/2019		Y	N	U		U	2.7	1.4	ug/kg
WC-B2-(8)-VOCS	L1951248-10	NAPHTHALENE	10/31/2019		Y	N	U		U	11	1.7	ug/kg
WC-B2-(8)-VOCS	L1951248-10	METHYLENE CHLORIDE	10/31/2019		Y	N	U		U	13	6.2	ug/kg
WC-B2-(8)-VOCS	L1951248-10	O-XYLENE	10/31/2019		Y	N	U		U	2.7	0.78	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,1,2,2-TETRACHLOROETHANE	10/31/2019		Y	N	U		U	1.3	0.45	ug/kg
WC-B2-(8)-VOCS	L1951248-10	BROMOCHLOROMETHANE	10/31/2019		Y	N	U		U	5.4	0.55	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,2,4-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	5.4	0.73	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,2,4,5-TETRAMETHYLBENZENE	10/31/2019		Y	N	U		U	5.4	0.51	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,2,3-TRICHLOROPROPANE	10/31/2019		Y	N	U		U	5.4	0.34	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,1-DICHLOROPROPENE	10/31/2019		Y	N	U		U	1.3	0.43	ug/kg
WC-B2-(8)-VOCS	L1951248-10	CIS-1,3-DICHLOROPROPENE	10/31/2019		Y	N	U		U	1.3	0.42	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,2-DIBROMO-3-CHLOROPROPANE	10/31/2019		Y	N	U		U	8.1	2.7	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,1,2-TRICHLOROETHANE	10/31/2019		Y	N	U		U	2.7	0.72	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,2-DIBROMOETHANE	10/31/2019		Y	N	U		U	2.7	0.75	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,1,1-TRICHLOROETHANE	10/31/2019		Y	N	U		U	1.3	0.45	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,1,1,2-TETRACHLOROETHANE	10/31/2019		Y	N	U		U	1.3	0.35	ug/kg
WC-B2-(8)-VOCS	L1951248-10	TRICHLOROETHENE	10/31/2019	4.8	Y	Y				1.3	0.37	ug/kg
WC-B2-(8)-VOCS	L1951248-10	STYRENE	10/31/2019		Y	N	U		U	2.7	0.53	ug/kg
WC-B2-(8)-VOCS	L1951248-10	TETRACHLOROETHENE	10/31/2019		Y	N	U		U	1.3	0.53	ug/kg
WC-B2-(8)-VOCS	L1951248-10	N-PROPYLBENZENE	10/31/2019		Y	N	U		U	2.7	0.46	ug/kg
WC-B2-(8)-VOCS	L1951248-10	N-BUTYLBENZENE	10/31/2019		Y	N	U		U	2.7	0.45	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,1-DICHLOROETHANE	10/31/2019		Y	N	U		U	2.7	0.39	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,3-DICHLOROPROPENE, TOTAL	10/31/2019		Y	N	U		U	1.3	0.42	ug/kg
WC-B2-(8)-VOCS	L1951248-10	ACRYLONITRILE	10/31/2019		Y	N	U		U	11	3.1	ug/kg

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B2-(8)-VOCS	L1951248-10	ACETONE	10/31/2019		Y	N	U		U	27	13	ug/kg
WC-B2-(8)-VOCS	L1951248-10	4-METHYL-2-PENTANONE	10/31/2019		Y	N	U		U	27	3.4	ug/kg
WC-B2-(8)-VOCS	L1951248-10	2-HEXANONE	10/31/2019		Y	N	U		U	27	3.2	ug/kg
WC-B2-(8)-VOCS	L1951248-10	2-BUTANONE	10/31/2019		Y	N	U		U	27	6.0	ug/kg
WC-B2-(8)-VOCS	L1951248-10	2,2-DICHLOROPROPANE	10/31/2019		Y	N	U		U	5.4	0.54	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,2,4-TRIMETHYLBENZENE	10/31/2019		Y	N	U		U	5.4	0.90	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,4-DICHLOROBENZENE	10/31/2019		Y	N	U		U	5.4	0.46	ug/kg
WC-B2-(8)-VOCS	L1951248-10	TRANS-1,2-DICHLOROETHENE	10/31/2019		Y	N	U		U	4.0	0.37	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,3-DICHLOROPROPANE	10/31/2019		Y	N	U		U	5.4	0.45	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,3-DICHLOROBENZENE	10/31/2019		Y	N	U		U	5.4	0.40	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,3,5-TRIMETHYLBENZENE	10/31/2019		Y	N	U		U	5.4	0.52	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,2-DICHLOROPROPANE	10/31/2019		Y	N	U		U	2.7	0.34	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,2-DICHLOROETHENE (TOTAL)	10/31/2019		Y	N	U		U	2.7	0.37	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,2-DICHLOROETHANE	10/31/2019		Y	N	U		U	2.7	0.69	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,2-DICHLOROBENZENE	10/31/2019		Y	N	U		U	5.4	0.39	ug/kg
WC-B2-(8)-VOCS	L1951248-10	1,4-DIOXANE	10/31/2019		Y	N	U	UJ	UJ	220	94	ug/kg
WC-B2-(8)-VOCS	L1951248-10	TRANS-1,3-DICHLOROPROPENE	10/31/2019		Y	N	U		U	2.7	0.73	ug/kg
WC-B2-(8)-VOCS	L1951248-10	TRANS-1,4-DICHLORO-2-BUTENE	10/31/2019		Y	N	U		U	13	3.8	ug/kg
WC-B2-(8)-VOCS	L1951248-10	SEC-BUTYLBENZENE	10/31/2019		Y	N	U		U	2.7	0.39	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (3-4)	L1951248-03	4-NITROPHENOL	10/31/2019		Y	N	U		U	260	76	ug/kg
B-12 (3-4)	L1951248-03	2-NITROPHENOL	10/31/2019		Y	N	U		U	400	70	ug/kg
B-12 (3-4)	L1951248-03	3,3'-DICHLOROBENZIDINE	10/31/2019		Y	N	U		U	180	49	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (3-4)	L1951248-03	3-METHYLPHENOL/4-METHYLPHENOL	10/31/2019		Y	N	U		U	270	29	ug/kg
B-12 (3-4)	L1951248-03	3-NITROANILINE	10/31/2019		Y	N	U		U	180	35	ug/kg
B-12 (3-4)	L1951248-03	4,6-DINITRO-O-CRESOL	10/31/2019		Y	N	U		U	480	89	ug/kg
B-12 (3-4)	L1951248-03	4-BROMOPHENYL PHENYL ETHER	10/31/2019		Y	N	U		U	180	28	ug/kg
B-12 (3-4)	L1951248-03	4-CHLOROANILINE	10/31/2019		Y	N	U		U	180	34	ug/kg
B-12 (3-4)	L1951248-03	4-NITROANILINE	10/31/2019		Y	N	U		U	180	77	ug/kg
B-12 (3-4)	L1951248-03	2-METHYLNAPHTHALENE	10/31/2019		Y	N	U		U	220	22	ug/kg
B-12 (3-4)	L1951248-03	ACENAPHTHENE	10/31/2019		Y	N	U		U	150	19	ug/kg
B-12 (3-4)	L1951248-03	ACENAPHTHYLENE	10/31/2019		Y	N	U		U	150	29	ug/kg
B-12 (3-4)	L1951248-03	ACETOPHENONE	10/31/2019		Y	N	U		U	180	23	ug/kg
B-12 (3-4)	L1951248-03	ANTHRACENE	10/31/2019		Y	N	U		U	110	36	ug/kg
B-12 (3-4)	L1951248-03	BENZO(A)ANTHRACENE	10/31/2019		Y	N	U		U	110	21	ug/kg
B-12 (3-4)	L1951248-03	BENZO(A)PYRENE	10/31/2019		Y	N	U		U	150	45	ug/kg
B-12 (3-4)	L1951248-03	4-CHLOROPHENYL PHENYL ETHER	10/31/2019		Y	N	U		U	180	20	ug/kg
B-12 (3-4)	L1951248-03	1,2-DICHLOROBENZENE	10/31/2019		Y	N	U		U	180	33	ug/kg
B-12 (3-4)	L1951248-03	2,4-DINITROPHENOL	10/31/2019		Y	N	U	UJ	UJ	890	86	ug/kg
B-12 (3-4)	L1951248-03	2,4-DIMETHYLPHENOL	10/31/2019		Y	N	U		U	180	61	ug/kg
B-12 (3-4)	L1951248-03	2,4-DICHLOROPHENOL	10/31/2019		Y	N	U		U	170	30	ug/kg
B-12 (3-4)	L1951248-03	2,4,6-TRICHLOROPHENOL	10/31/2019		Y	N	U		U	110	35	ug/kg
B-12 (3-4)	L1951248-03	2,4,5-TRICHLOROPHENOL	10/31/2019		Y	N	U		U	180	36	ug/kg
B-12 (3-4)	L1951248-03	1,4-DIOXANE	10/31/2019		Y	N	U		U	28	8.5	ug/kg
B-12 (3-4)	L1951248-03	2-NITROANILINE	10/31/2019		Y	N	U		U	180	36	ug/kg
B-12 (3-4)	L1951248-03	1,3-DICHLOROBENZENE	10/31/2019		Y	N	U		U	180	32	ug/kg
B-12 (3-4)	L1951248-03	2-METHYLPHENOL	10/31/2019		Y	N	U		U	180	29	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (3-4)	L1951248-03	1,2,4-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	180	21	ug/kg
B-12 (3-4)	L1951248-03	1,2,4,5-TETRACHLOROBENZENE	10/31/2019		Y	N	U		U	180	19	ug/kg
B-12 (3-4)	L1951248-03	2,6-DINITROTOLUENE	10/31/2019		Y	N	U		U	180	32	ug/kg
B-12 (3-4)	L1951248-03	2-CHLORONAPHTHALENE	10/31/2019		Y	N	U		U	180	18	ug/kg
B-12 (3-4)	L1951248-03	2-CHLOROPHENOL	10/31/2019		Y	N	U		U	180	22	ug/kg
B-12 (3-4)	L1951248-03	BENZO(K)FLUORANTHENE	10/31/2019		Y	N	U		U	110	30	ug/kg
B-12 (3-4)	L1951248-03	1,4-DICHLOROBENZENE	10/31/2019		Y	N	U		U	180	32	ug/kg
B-12 (3-4)	L1951248-03	NAPHTHALENE	10/31/2019		Y	N	U		U	180	22	ug/kg
B-12 (3-4)	L1951248-03	BENZO(B)FLUORANTHENE	10/31/2019		Y	N	U		U	110	31	ug/kg
B-12 (3-4)	L1951248-03	HEXACHLOROBENZENE	10/31/2019		Y	N	U		U	110	21	ug/kg
B-12 (3-4)	L1951248-03	HEXACHLOROBUTADIENE	10/31/2019		Y	N	U		U	180	27	ug/kg
B-12 (3-4)	L1951248-03	HEXACHLOROCYCLOPENTADIENE	10/31/2019		Y	N	U	UJ	UJ	530	170	ug/kg
B-12 (3-4)	L1951248-03	HEXACHLOROETHANE	10/31/2019		Y	N	U		U	150	30	ug/kg
B-12 (3-4)	L1951248-03	INDENO(1,2,3-CD)PYRENE	10/31/2019		Y	N	U		U	150	26	ug/kg
B-12 (3-4)	L1951248-03	FLUORANTHENE	10/31/2019		Y	N	U		U	110	21	ug/kg
B-12 (3-4)	L1951248-03	NITROSODIPHENYLAMINE(NDPA)/DPA	10/31/2019		Y	N	U		U	150	21	ug/kg
B-12 (3-4)	L1951248-03	DIMETHYL PHTHALATE	10/31/2019		Y	N	U		U	180	39	ug/kg
B-12 (3-4)	L1951248-03	NITROBENZENE	10/31/2019		Y	N	U		U	170	27	ug/kg
B-12 (3-4)	L1951248-03	PENTACHLOROPHENOL	10/31/2019		Y	N	U		U	150	41	ug/kg
B-12 (3-4)	L1951248-03	PHENANTHRENE	10/31/2019		Y	N	U		U	110	22	ug/kg
B-12 (3-4)	L1951248-03	PHENOL	10/31/2019		Y	N	U		U	180	28	ug/kg
B-12 (3-4)	L1951248-03	PYRENE	10/31/2019		Y	N	U		U	110	18	ug/kg
B-12 (3-4)	L1951248-03	N-NITROSODI-N-PROPYLAMINE	10/31/2019		Y	N	U		U	180	29	ug/kg
B-12 (3-4)	L1951248-03	P-CHLORO-M-CRESOL	10/31/2019		Y	N	U		U	180	28	ug/kg

SDG: L1951248

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (3-4)	L1951248-03	ISOPHORONE	10/31/2019		Y	N	U		U	170	24	ug/kg
B-12 (3-4)	L1951248-03	BUTYL BENZYL PHTHALATE	10/31/2019		Y	N	U		U	180	47	ug/kg
B-12 (3-4)	L1951248-03	2,4-DINITROTOLUENE	10/31/2019		Y	N	U		U	180	37	ug/kg
B-12 (3-4)	L1951248-03	BENZOIC ACID	10/31/2019		Y	N	U		U	600	190	ug/kg
B-12 (3-4)	L1951248-03	BENZYL ALCOHOL	10/31/2019		Y	N	U		U	180	57	ug/kg
B-12 (3-4)	L1951248-03	BIPHENYL	10/31/2019		Y	N	U		U	420	43	ug/kg
B-12 (3-4)	L1951248-03	BIS(2-CHLOROETHOXY)METHANE	10/31/2019		Y	N	U		U	200	18	ug/kg
B-12 (3-4)	L1951248-03	BIS(2-CHLOROETHYL)ETHER	10/31/2019		Y	N	U		U	170	25	ug/kg
B-12 (3-4)	L1951248-03	FLUORENE	10/31/2019		Y	N	U		U	180	18	ug/kg
B-12 (3-4)	L1951248-03	BIS(2-ETHYLHEXYL)PHTHALATE	10/31/2019		Y	N	U		U	180	64	ug/kg
B-12 (3-4)	L1951248-03	BENZO(GHI)PERYLENE	10/31/2019		Y	N	U		U	150	22	ug/kg
B-12 (3-4)	L1951248-03	CARBAZOLE	10/31/2019		Y	N	U		U	180	18	ug/kg
B-12 (3-4)	L1951248-03	CHRYSENE	10/31/2019		Y	N	U		U	110	19	ug/kg
B-12 (3-4)	L1951248-03	DI-N-BUTYLPHTHALATE	10/31/2019		Y	N	U		U	180	35	ug/kg
B-12 (3-4)	L1951248-03	DI-N-OCTYLPHTHALATE	10/31/2019		Y	N	U		U	180	63	ug/kg
B-12 (3-4)	L1951248-03	DIBENZO(A,H)ANTHRACENE	10/31/2019		Y	N	U		U	110	21	ug/kg
B-12 (3-4)	L1951248-03	DIBENZOFURAN	10/31/2019		Y	N	U		U	180	18	ug/kg
B-12 (3-4)	L1951248-03	DIETHYL PHTHALATE	10/31/2019		Y	N	U		U	180	17	ug/kg
B-12 (3-4)	L1951248-03	BIS(2-CHLOROISOPROPYL)ETHER	10/31/2019		Y	N	U	UJ	UJ	220	32	ug/kg
B-12 (8-9)	L1951248-04	4,6-DINITRO-O-CRESOL	10/31/2019		Y	N	U		U	500	93	ug/kg
B-12 (8-9)	L1951248-04	ACETOPHENONE	10/31/2019		Y	N	U		U	190	24	ug/kg
B-12 (8-9)	L1951248-04	3,3'-DICHLOROBENZIDINE	10/31/2019		Y	N	U		U	190	51	ug/kg
B-12 (8-9)	L1951248-04	3-NITROANILINE	10/31/2019		Y	N	U		U	190	36	ug/kg
B-12 (8-9)	L1951248-04	4-CHLOROANILINE	10/31/2019		Y	N	U		U	190	35	ug/kg
B-12 (8-9)	L1951248-04	4-NITROANILINE	10/31/2019		Y	N	U		U	190	80	ug/kg

SDG: L1951248

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (8-9)	L1951248-04	4-NITROPHENOL	10/31/2019		Y	N	U		U	270	79	ug/kg
B-12 (8-9)	L1951248-04	BENZOIC ACID	10/31/2019		Y	N	U		U	630	200	ug/kg
B-12 (8-9)	L1951248-04	ACENAPHTHYLENE	10/31/2019		Y	N	U		U	150	30	ug/kg
B-12 (8-9)	L1951248-04	2-METHYLPHENOL	10/31/2019		Y	N	U		U	190	30	ug/kg
B-12 (8-9)	L1951248-04	ANTHRACENE	10/31/2019		Y	N	U		U	120	38	ug/kg
B-12 (8-9)	L1951248-04	BENZO(A)ANTHRACENE	10/31/2019		Y	N	U		U	120	22	ug/kg
B-12 (8-9)	L1951248-04	BENZO(A)PYRENE	10/31/2019		Y	N	U		U	150	47	ug/kg
B-12 (8-9)	L1951248-04	BENZO(B)FLUORANTHENE	10/31/2019		Y	N	U		U	120	32	ug/kg
B-12 (8-9)	L1951248-04	BENZO(GHI)PERYLENE	10/31/2019		Y	N	U		U	150	23	ug/kg
B-12 (8-9)	L1951248-04	1,2,4-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	190	22	ug/kg
B-12 (8-9)	L1951248-04	ACENAPHTHENE	10/31/2019		Y	N	U		U	150	20	ug/kg
B-12 (8-9)	L1951248-04	2,4-DINITROPHENOL	10/31/2019		Y	N	U	UJ	UJ	930	90	ug/kg
B-12 (8-9)	L1951248-04	1,2-DICHLOROBENZENE	10/31/2019		Y	N	U		U	190	35	ug/kg
B-12 (8-9)	L1951248-04	1,3-DICHLOROBENZENE	10/31/2019		Y	N	U		U	190	33	ug/kg
B-12 (8-9)	L1951248-04	1,4-DICHLOROBENZENE	10/31/2019		Y	N	U		U	190	34	ug/kg
B-12 (8-9)	L1951248-04	1,4-DIOXANE	10/31/2019		Y	N	U		U	29	8.9	ug/kg
B-12 (8-9)	L1951248-04	2,4,5-TRICHLOROPHENOL	10/31/2019		Y	N	U		U	190	37	ug/kg
B-12 (8-9)	L1951248-04	2,4,6-TRICHLOROPHENOL	10/31/2019		Y	N	U		U	120	37	ug/kg
B-12 (8-9)	L1951248-04	2-NITROPHENOL	10/31/2019		Y	N	U		U	420	73	ug/kg
B-12 (8-9)	L1951248-04	2,4-DIMETHYLPHENOL	10/31/2019		Y	N	U		U	190	64	ug/kg
B-12 (8-9)	L1951248-04	2-NITROANILINE	10/31/2019		Y	N	U		U	190	37	ug/kg
B-12 (8-9)	L1951248-04	2,4-DINITROTOLUENE	10/31/2019		Y	N	U		U	190	39	ug/kg
B-12 (8-9)	L1951248-04	2,6-DINITROTOLUENE	10/31/2019		Y	N	U		U	190	33	ug/kg
B-12 (8-9)	L1951248-04	2-CHLORONAPHTHALENE	10/31/2019		Y	N	U		U	190	19	ug/kg
B-12 (8-9)	L1951248-04	2-CHLOROPHENOL	10/31/2019		Y	N	U		U	190	23	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (8-9)	L1951248-04	2-METHYLNAPHTHALENE	10/31/2019		Y	N	U		U	230	23	ug/kg
B-12 (8-9)	L1951248-04	BENZYL ALCOHOL	10/31/2019		Y	N	U		U	190	59	ug/kg
B-12 (8-9)	L1951248-04	2,4-DICHLOROPHENOL	10/31/2019		Y	N	U		U	170	31	ug/kg
B-12 (8-9)	L1951248-04	NITROBENZENE	10/31/2019		Y	N	U		U	170	29	ug/kg
B-12 (8-9)	L1951248-04	HEXACHLOROBUTADIENE	10/31/2019		Y	N	U		U	190	28	ug/kg
B-12 (8-9)	L1951248-04	HEXACHLOROCYCLOPENTADIENE	10/31/2019		Y	N	U	UJ	UJ	550	180	ug/kg
B-12 (8-9)	L1951248-04	HEXACHLOROETHANE	10/31/2019		Y	N	U		U	150	31	ug/kg
B-12 (8-9)	L1951248-04	INDENO(1,2,3-CD)PYRENE	10/31/2019		Y	N	U		U	150	27	ug/kg
B-12 (8-9)	L1951248-04	ISOPHORONE	10/31/2019		Y	N	U		U	170	25	ug/kg
B-12 (8-9)	L1951248-04	BENZO(K)FLUORANTHENE	10/31/2019		Y	N	U		U	120	31	ug/kg
B-12 (8-9)	L1951248-04	NAPHTHALENE	10/31/2019		Y	N	U		U	190	24	ug/kg
B-12 (8-9)	L1951248-04	FLUORANTHENE	10/31/2019		Y	N	U		U	120	22	ug/kg
B-12 (8-9)	L1951248-04	PENTACHLOROPHENOL	10/31/2019		Y	N	U		U	150	42	ug/kg
B-12 (8-9)	L1951248-04	PHENANTHRENE	10/31/2019		Y	N	U		U	120	24	ug/kg
B-12 (8-9)	L1951248-04	PHENOL	10/31/2019		Y	N	U		U	190	29	ug/kg
B-12 (8-9)	L1951248-04	PYRENE	10/31/2019		Y	N	U		U	120	19	ug/kg
B-12 (8-9)	L1951248-04	N-NITROSODI-N-PROPYLAMINE	10/31/2019		Y	N	U		U	190	30	ug/kg
B-12 (8-9)	L1951248-04	P-CHLORO-M-CRESOL	10/31/2019		Y	N	U		U	190	29	ug/kg
B-12 (8-9)	L1951248-04	NITROSODIPHENYLAMINE(NDPA)/DPA	10/31/2019		Y	N	U		U	150	22	ug/kg
B-12 (8-9)	L1951248-04	DI-N-BUTYLPHTHALATE	10/31/2019		Y	N	U		U	190	37	ug/kg
B-12 (8-9)	L1951248-04	BIPHENYL	10/31/2019		Y	N	U		U	440	45	ug/kg
B-12 (8-9)	L1951248-04	BIS(2-CHLOROETHOXY)METHANE	10/31/2019		Y	N	U		U	210	19	ug/kg
B-12 (8-9)	L1951248-04	BIS(2-CHLOROETHYL)ETHER	10/31/2019		Y	N	U		U	170	26	ug/kg
B-12 (8-9)	L1951248-04	BIS(2-CHLOROISOPROPYL)ETHER	10/31/2019		Y	N	U	UJ	UJ	230	33	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (8-9)	L1951248-04	BIS(2-ETHYLHEXYL)PHTHALATE	10/31/2019		Y	N	U		U	190	67	ug/kg
B-12 (8-9)	L1951248-04	BUTYL BENZYL PHTHALATE	10/31/2019		Y	N	U		U	190	49	ug/kg
B-12 (8-9)	L1951248-04	HEXACHLOROBENZENE	10/31/2019		Y	N	U		U	120	22	ug/kg
B-12 (8-9)	L1951248-04	CHRYSENE	10/31/2019		Y	N	U		U	120	20	ug/kg
B-12 (8-9)	L1951248-04	FLUORENE	10/31/2019		Y	N	U		U	190	19	ug/kg
B-12 (8-9)	L1951248-04	DI-N-OCTYLPHTHALATE	10/31/2019		Y	N	U		U	190	66	ug/kg
B-12 (8-9)	L1951248-04	DIBENZO(A,H)ANTHRACENE	10/31/2019		Y	N	U		U	120	22	ug/kg
B-12 (8-9)	L1951248-04	DIBENZOFURAN	10/31/2019		Y	N	U		U	190	18	ug/kg
B-12 (8-9)	L1951248-04	DIETHYL PHTHALATE	10/31/2019		Y	N	U		U	190	18	ug/kg
B-12 (8-9)	L1951248-04	DIMETHYL PHTHALATE	10/31/2019		Y	N	U		U	190	40	ug/kg
B-12 (8-9)	L1951248-04	4-BROMOPHENYL PHENYL ETHER	10/31/2019		Y	N	U		U	190	29	ug/kg
B-12 (8-9)	L1951248-04	CARBAZOLE	10/31/2019		Y	N	U		U	190	19	ug/kg
B-12 (8-9)	L1951248-04	1,2,4,5-TETRACHLOROBENZENE	10/31/2019		Y	N	U		U	190	20	ug/kg
B-12 (8-9)	L1951248-04	3-METHYLPHENOL/4-METHYLPHENOL	10/31/2019		Y	N	U		U	280	30	ug/kg
B-12 (8-9)	L1951248-04	4-CHLOROPHENYL PHENYL ETHER	10/31/2019		Y	N	U		U	190	21	ug/kg
B-17 (1.5-2.5)	L1951248-06	BENZO(K)FLUORANTHENE	10/31/2019		Y	N	U		U	110	29	ug/kg
B-17 (1.5-2.5)	L1951248-06	UNKNOWN	10/31/2019	316	Y	Y	J		J			
B-17 (1.5-2.5)	L1951248-06	1,4-DICHLOROBENZENE	10/31/2019		Y	N	U		U	180	31	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,4-DIOXANE	10/31/2019		Y	N	U		U	27	8.3	ug/kg
B-17 (1.5-2.5)	L1951248-06	2,4-DIMETHYLPHENOL	10/31/2019		Y	N	U		U	180	59	ug/kg
B-17 (1.5-2.5)	L1951248-06	ACENAPHTHENE	10/31/2019		Y	N	U		U	140	19	ug/kg
B-17 (1.5-2.5)	L1951248-06	2,4-DINITROPHENOL	10/31/2019		Y	N	U		U	860	84	ug/kg
B-17 (1.5-2.5)	L1951248-06	2,4,5-TRICHLOROPHENOL	10/31/2019		Y	N	U		U	180	34	ug/kg
B-17 (1.5-2.5)	L1951248-06	2,4-DINITROTOLUENE	10/31/2019		Y	N	U		U	180	36	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-17 (1.5-2.5)	L1951248-06	2,4,6-TRICHLOROPHENOL	10/31/2019		Y	N	U		U	110	34	ug/kg
B-17 (1.5-2.5)	L1951248-06	2,4-DICHLOROPHENOL	10/31/2019		Y	N	U		U	160	29	ug/kg
B-17 (1.5-2.5)	L1951248-06	ANTHRACENE	10/31/2019		Y	N	U		U	110	35	ug/kg
B-17 (1.5-2.5)	L1951248-06	BENZO(A)ANTHRACENE	10/31/2019		Y	N	U		U	110	20	ug/kg
B-17 (1.5-2.5)	L1951248-06	BENZO(A)PYRENE	10/31/2019		Y	N	U		U	140	44	ug/kg
B-17 (1.5-2.5)	L1951248-06	BENZO(B)FLUORANTHENE	10/31/2019		Y	N	U		U	110	30	ug/kg
B-17 (1.5-2.5)	L1951248-06	BENZO(GHI)PERYLENE	10/31/2019		Y	N	U		U	140	21	ug/kg
B-17 (1.5-2.5)	L1951248-06	ACETOPHENONE	10/31/2019		Y	N	U		U	180	22	ug/kg
B-17 (1.5-2.5)	L1951248-06	3-METHYLPHENOL/4-METHYLPHENOL	10/31/2019		Y	N	U		U	260	28	ug/kg
B-17 (1.5-2.5)	L1951248-06	4-CHLOROPHENYL PHENYL ETHER	10/31/2019		Y	N	U		U	180	19	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,2,4,5-TETRACHLOROBENZENE	10/31/2019		Y	N	U		U	180	19	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,2,4-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	180	20	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,2-DICHLOROBENZENE	10/31/2019		Y	N	U		U	180	32	ug/kg
B-17 (1.5-2.5)	L1951248-06	1,3-DICHLOROBENZENE	10/31/2019		Y	N	U		U	180	31	ug/kg
B-17 (1.5-2.5)	L1951248-06	4-CHLOROANILINE	10/31/2019		Y	N	U		U	180	33	ug/kg
B-17 (1.5-2.5)	L1951248-06	4-BROMOPHENYL PHENYL ETHER	10/31/2019		Y	N	U		U	180	27	ug/kg
B-17 (1.5-2.5)	L1951248-06	TOTAL TIC COMPOUNDS	10/31/2019	316	Y	Y	J		J			
B-17 (1.5-2.5)	L1951248-06	3-NITROANILINE	10/31/2019		Y	N	U		U	180	34	ug/kg
B-17 (1.5-2.5)	L1951248-06	ACENAPHTHYLENE	10/31/2019		Y	N	U		U	140	28	ug/kg
B-17 (1.5-2.5)	L1951248-06	3,3'-DICHLOROBENZIDINE	10/31/2019		Y	N	U		U	180	48	ug/kg
B-17 (1.5-2.5)	L1951248-06	2-NITROPHENOL	10/31/2019		Y	N	U		U	390	68	ug/kg
B-17 (1.5-2.5)	L1951248-06	2-NITROANILINE	10/31/2019		Y	N	U		U	180	35	ug/kg
B-17 (1.5-2.5)	L1951248-06	2-METHYLPHENOL	10/31/2019		Y	N	U		U	180	28	ug/kg
B-17 (1.5-2.5)	L1951248-06	2-METHYLNAPHTHALENE	10/31/2019		Y	N	U		U	220	22	ug/kg

SDG: L1951248

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-17 (1.5-2.5)	L1951248-06	2-CHLOROPHENOL	10/31/2019		Y	N	U		U	180	21	ug/kg
B-17 (1.5-2.5)	L1951248-06	2-CHLORONAPHTHALENE	10/31/2019		Y	N	U		U	180	18	ug/kg
B-17 (1.5-2.5)	L1951248-06	2,6-DINITROTOLUENE	10/31/2019		Y	N	U		U	180	31	ug/kg
B-17 (1.5-2.5)	L1951248-06	4,6-DINITRO-O-CRESOL	10/31/2019		Y	N	U		U	470	86	ug/kg
B-17 (1.5-2.5)	L1951248-06	PHENANTHRENE	10/31/2019		Y	N	U		U	110	22	ug/kg
B-17 (1.5-2.5)	L1951248-06	HEXACHLOROCYCLOPENTADIENE	10/31/2019		Y	N	U		U	510	160	ug/kg
B-17 (1.5-2.5)	L1951248-06	HEXACHLOROETHANE	10/31/2019		Y	N	U		U	140	29	ug/kg
B-17 (1.5-2.5)	L1951248-06	INDENO(1,2,3-CD)PYRENE	10/31/2019		Y	N	U		U	140	25	ug/kg
B-17 (1.5-2.5)	L1951248-06	ISOPHORONE	10/31/2019		Y	N	U		U	160	23	ug/kg
B-17 (1.5-2.5)	L1951248-06	NITROSODIPHENYLAMINE(NDPA)/DPA	10/31/2019		Y	N	U		U	140	20	ug/kg
B-17 (1.5-2.5)	L1951248-06	NAPHTHALENE	10/31/2019		Y	N	U		U	180	22	ug/kg
B-17 (1.5-2.5)	L1951248-06	HEXACHLOROBUTADIENE	10/31/2019		Y	N	U		U	180	26	ug/kg
B-17 (1.5-2.5)	L1951248-06	PENTACHLOROPHENOL	10/31/2019		Y	N	U		U	140	40	ug/kg
B-17 (1.5-2.5)	L1951248-06	P-CHLORO-M-CRESOL	10/31/2019		Y	N	U		U	180	27	ug/kg
B-17 (1.5-2.5)	L1951248-06	PHENOL	10/31/2019		Y	N	U		U	180	27	ug/kg
B-17 (1.5-2.5)	L1951248-06	N-NITROSODI-N-PROPYLAMINE	10/31/2019		Y	N	U		U	180	28	ug/kg
B-17 (1.5-2.5)	L1951248-06	BENZOIC ACID	10/31/2019		Y	N	U		U	580	180	ug/kg
B-17 (1.5-2.5)	L1951248-06	PYRENE	10/31/2019	21	Y	Y	J		J	110	18	ug/kg
B-17 (1.5-2.5)	L1951248-06	4-NITROANILINE	10/31/2019		Y	N	U		U	180	74	ug/kg
B-17 (1.5-2.5)	L1951248-06	BIS(2-ETHYLHEXYL)PHTHALATE	10/31/2019	74	Y	Y	J		J	180	62	ug/kg
B-17 (1.5-2.5)	L1951248-06	4-NITROPHENOL	10/31/2019	100	Y	Y	J		J	250	73	ug/kg
B-17 (1.5-2.5)	L1951248-06	NITROBENZENE	10/31/2019		Y	N	U		U	160	26	ug/kg
B-17 (1.5-2.5)	L1951248-06	BIS(2-CHLOROETHYL)ETHER	10/31/2019		Y	N	U		U	160	24	ug/kg
B-17 (1.5-2.5)	L1951248-06	FLUORANTHENE	10/31/2019	23	Y	Y	J		J	110	21	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-17 (1.5-2.5)	L1951248-06	HEXACHLOROBENZENE	10/31/2019		Y	N	U		U	110	20	ug/kg
B-17 (1.5-2.5)	L1951248-06	BENZYL ALCOHOL	10/31/2019		Y	N	U		U	180	55	ug/kg
B-17 (1.5-2.5)	L1951248-06	BIPHENYL	10/31/2019		Y	N	U		U	410	42	ug/kg
B-17 (1.5-2.5)	L1951248-06	BIS(2-CHLOROETHOXY)METHANE	10/31/2019		Y	N	U		U	190	18	ug/kg
B-17 (1.5-2.5)	L1951248-06	BIS(2-CHLOROISOPROPYL)ETHER	10/31/2019		Y	N	U	UJ	UJ	220	31	ug/kg
B-17 (1.5-2.5)	L1951248-06	BUTYL BENZYL PHTHALATE	10/31/2019		Y	N	U		U	180	45	ug/kg
B-17 (1.5-2.5)	L1951248-06	CARBAZOLE	10/31/2019		Y	N	U		U	180	17	ug/kg
B-17 (1.5-2.5)	L1951248-06	CHRYSENE	10/31/2019		Y	N	U		U	110	19	ug/kg
B-17 (1.5-2.5)	L1951248-06	DI-N-OCTYLPHTHALATE	10/31/2019		Y	N	U		U	180	61	ug/kg
B-17 (1.5-2.5)	L1951248-06	DIBENZO(A,H)ANTHRACENE	10/31/2019		Y	N	U		U	110	21	ug/kg
B-17 (1.5-2.5)	L1951248-06	DIBENZOFURAN	10/31/2019		Y	N	U		U	180	17	ug/kg
B-17 (1.5-2.5)	L1951248-06	DIETHYL PHTHALATE	10/31/2019		Y	N	U		U	180	17	ug/kg
B-17 (1.5-2.5)	L1951248-06	DIMETHYL PHTHALATE	10/31/2019		Y	N	U		U	180	38	ug/kg
B-17 (1.5-2.5)	L1951248-06	DI-N-BUTYLPHTHALATE	10/31/2019		Y	N	U		U	180	34	ug/kg
B-17 (1.5-2.5)	L1951248-06	FLUORENE	10/31/2019		Y	N	U		U	180	17	ug/kg
B-18 (2-3)	L1951248-05	2,6-DINITROTOLUENE	10/31/2019		Y	N	U		U	180	31	ug/kg
B-18 (2-3)	L1951248-05	3-NITROANILINE	10/31/2019		Y	N	U		U	180	34	ug/kg
B-18 (2-3)	L1951248-05	3-METHYLPHENOL/4-METHYLPHENOL	10/31/2019		Y	N	U		U	260	28	ug/kg
B-18 (2-3)	L1951248-05	3,3'-DICHLOROBENZIDINE	10/31/2019		Y	N	U		U	180	48	ug/kg
B-18 (2-3)	L1951248-05	2-NITROPHENOL	10/31/2019		Y	N	U		U	390	69	ug/kg
B-18 (2-3)	L1951248-05	2-NITROANILINE	10/31/2019		Y	N	U		U	180	35	ug/kg
B-18 (2-3)	L1951248-05	2,4-DICHLOROPHENOL	10/31/2019		Y	N	U		U	160	29	ug/kg
B-18 (2-3)	L1951248-05	2-METHYLPHENOL	10/31/2019		Y	N	U		U	180	28	ug/kg
B-18 (2-3)	L1951248-05	2-METHYLNAPHTHALENE	10/31/2019		Y	N	U		U	220	22	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-18 (2-3)	L1951248-05	2,4-DINITROTOLUENE	10/31/2019		Y	N	U		U	180	36	ug/kg
B-18 (2-3)	L1951248-05	2-CHLORONAPHTHALENE	10/31/2019		Y	N	U		U	180	18	ug/kg
B-18 (2-3)	L1951248-05	2,4-DIMETHYLPHENOL	10/31/2019		Y	N	U		U	180	60	ug/kg
B-18 (2-3)	L1951248-05	4,6-DINITRO-O-CRESOL	10/31/2019		Y	N	U		U	470	88	ug/kg
B-18 (2-3)	L1951248-05	BENZOIC ACID	10/31/2019		Y	N	U		U	590	180	ug/kg
B-18 (2-3)	L1951248-05	2,4-DINITROPHENOL	10/31/2019		Y	N	U	UJ	UJ	880	85	ug/kg
B-18 (2-3)	L1951248-05	2-CHLOROPHENOL	10/31/2019		Y	N	U		U	180	22	ug/kg
B-18 (2-3)	L1951248-05	ANTHRACENE	10/31/2019		Y	N	U		U	110	36	ug/kg
B-18 (2-3)	L1951248-05	2,4,6-TRICHLOROPHENOL	10/31/2019		Y	N	U		U	110	35	ug/kg
B-18 (2-3)	L1951248-05	BIS(2-CHLOROETHYL)ETHER	10/31/2019		Y	N	U		U	160	25	ug/kg
B-18 (2-3)	L1951248-05	INDENO(1,2,3-CD)PYRENE	10/31/2019	48	Y	Y	J		J	150	25	ug/kg
B-18 (2-3)	L1951248-05	PHENANTHRENE	10/31/2019	48	Y	Y	J		J	110	22	ug/kg
B-18 (2-3)	L1951248-05	UNKNOWN	10/31/2019	154	Y	Y	J		J			
B-18 (2-3)	L1951248-05	TOTAL TIC COMPOUNDS	10/31/2019	1130	Y	Y	J		J			
B-18 (2-3)	L1951248-05	ACETOPHENONE	10/31/2019		Y	N	U		U	180	23	ug/kg
B-18 (2-3)	L1951248-05	BENZYL ALCOHOL	10/31/2019		Y	N	U		U	180	56	ug/kg
B-18 (2-3)	L1951248-05	4-BROMOPHENYL PHENYL ETHER	10/31/2019		Y	N	U		U	180	28	ug/kg
B-18 (2-3)	L1951248-05	ACENAPHTHYLENE	10/31/2019		Y	N	U		U	150	28	ug/kg
B-18 (2-3)	L1951248-05	ACENAPHTHENE	10/31/2019		Y	N	U		U	150	19	ug/kg
B-18 (2-3)	L1951248-05	4-NITROPHENOL	10/31/2019		Y	N	U		U	260	74	ug/kg
B-18 (2-3)	L1951248-05	4-NITROANILINE	10/31/2019		Y	N	U		U	180	76	ug/kg
B-18 (2-3)	L1951248-05	4-CHLOROPHENYL PHENYL ETHER	10/31/2019		Y	N	U		U	180	20	ug/kg
B-18 (2-3)	L1951248-05	4-CHLOROANILINE	10/31/2019		Y	N	U		U	180	33	ug/kg
B-18 (2-3)	L1951248-05	PYRENE	10/31/2019	100	Y	Y	J		J	110	18	ug/kg
B-18 (2-3)	L1951248-05	BIPHENYL	10/31/2019		Y	N	U		U	420	42	ug/kg

SDG: L1951248

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-18 (2-3)	L1951248-05	DIBENZOFURAN	10/31/2019		Y	N	U		U	180	17	ug/kg
B-18 (2-3)	L1951248-05	DIBENZO(A,H)ANTHRACENE	10/31/2019		Y	N	U		U	110	21	ug/kg
B-18 (2-3)	L1951248-05	DI-N-OCTYLPHTHALATE	10/31/2019		Y	N	U		U	180	62	ug/kg
B-18 (2-3)	L1951248-05	DI-N-BUTYLPHTHALATE	10/31/2019		Y	N	U		U	180	35	ug/kg
B-18 (2-3)	L1951248-05	CARBAZOLE	10/31/2019		Y	N	U		U	180	18	ug/kg
B-18 (2-3)	L1951248-05	BUTYL BENZYL PHTHALATE	10/31/2019		Y	N	U		U	180	46	ug/kg
B-18 (2-3)	L1951248-05	TETRACHLOROETHENE	10/31/2019	977	Y	Y	NJ		J			
B-18 (2-3)	L1951248-05	DIETHYL PHTHALATE	10/31/2019		Y	N	U		U	180	17	ug/kg
B-18 (2-3)	L1951248-05	2,4,5-TRICHLOROPHENOL	10/31/2019		Y	N	U		U	180	35	ug/kg
B-18 (2-3)	L1951248-05	BIS(2-CHLOROISOPROPYL)ETHER	10/31/2019		Y	N	U	UJ	UJ	220	31	ug/kg
B-18 (2-3)	L1951248-05	CHRYSENE	10/31/2019	61	Y	Y	J		J	110	19	ug/kg
B-18 (2-3)	L1951248-05	BENZO(K)FLUORANTHENE	10/31/2019	33	Y	Y	J		J	110	29	ug/kg
B-18 (2-3)	L1951248-05	BENZO(GHI)PERYLENE	10/31/2019	44	Y	Y	J		J	150	21	ug/kg
B-18 (2-3)	L1951248-05	BENZO(B)FLUORANTHENE	10/31/2019	89	Y	Y	J		J	110	31	ug/kg
B-18 (2-3)	L1951248-05	BENZO(A)PYRENE	10/31/2019	72	Y	Y	J		J	150	44	ug/kg
B-18 (2-3)	L1951248-05	BENZO(A)ANTHRACENE	10/31/2019	70	Y	Y	J		J	110	20	ug/kg
B-18 (2-3)	L1951248-05	FLUORANTHENE	10/31/2019	120	Y	Y				110	21	ug/kg
B-18 (2-3)	L1951248-05	BIS(2-ETHYLHEXYL)PHTHALATE	10/31/2019		Y	N	U		U	180	63	ug/kg
B-18 (2-3)	L1951248-05	BIS(2-CHLOROETHOXY)METHANE	10/31/2019		Y	N	U		U	200	18	ug/kg
B-18 (2-3)	L1951248-05	P-CHLORO-M-CRESOL	10/31/2019		Y	N	U		U	180	27	ug/kg
B-18 (2-3)	L1951248-05	1,4-DICHLOROBENZENE	10/31/2019		Y	N	U		U	180	32	ug/kg
B-18 (2-3)	L1951248-05	1,4-DIOXANE	10/31/2019		Y	N	U		U	27	8.4	ug/kg
B-18 (2-3)	L1951248-05	DIMETHYL PHTHALATE	10/31/2019		Y	N	U		U	180	38	ug/kg
B-18 (2-3)	L1951248-05	1,3-DICHLOROBENZENE	10/31/2019		Y	N	U		U	180	31	ug/kg
B-18 (2-3)	L1951248-05	1,2-DICHLOROBENZENE	10/31/2019		Y	N	U		U	180	33	ug/kg

SDG: L1951248

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-18 (2-3)	L1951248-05	1,2,4,5-TETRACHLOROBENZENE	10/31/2019		Y	N	U		U	180	19	ug/kg
B-18 (2-3)	L1951248-05	N-NITROSODI-N-PROPYLAMINE	10/31/2019		Y	N	U		U	180	28	ug/kg
B-18 (2-3)	L1951248-05	PHENOL	10/31/2019		Y	N	U		U	180	28	ug/kg
B-18 (2-3)	L1951248-05	PENTACHLOROPHENOL	10/31/2019		Y	N	U		U	150	40	ug/kg
B-18 (2-3)	L1951248-05	HEXACHLOROBUTADIENE	10/31/2019		Y	N	U		U	180	27	ug/kg
B-18 (2-3)	L1951248-05	FLUORENE	10/31/2019		Y	N	U		U	180	18	ug/kg
B-18 (2-3)	L1951248-05	1,2,4-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	180	21	ug/kg
B-18 (2-3)	L1951248-05	HEXACHLOROBENZENE	10/31/2019		Y	N	U		U	110	20	ug/kg
B-18 (2-3)	L1951248-05	NITROBENZENE	10/31/2019		Y	N	U		U	160	27	ug/kg
B-18 (2-3)	L1951248-05	HEXACHLOROCYCLOPENTADIENE	10/31/2019		Y	N	U	UJ	UJ	520	160	ug/kg
B-18 (2-3)	L1951248-05	HEXACHLOROETHANE	10/31/2019		Y	N	U		U	150	30	ug/kg
B-18 (2-3)	L1951248-05	ISOPHORONE	10/31/2019		Y	N	U		U	160	24	ug/kg
B-18 (2-3)	L1951248-05	NITROSODIPHENYLAMINE(NDPA)/DPA	10/31/2019		Y	N	U		U	150	21	ug/kg
B-18 (2-3)	L1951248-05	NAPHTHALENE	10/31/2019		Y	N	U		U	180	22	ug/kg
B-19 (4-5)	L1951248-01	2-METHYLPHENOL	10/31/2019		Y	N	U		U	210	33	ug/kg
B-19 (4-5)	L1951248-01	2,4,5-TRICHLOROPHENOL	10/31/2019		Y	N	U		U	210	40	ug/kg
B-19 (4-5)	L1951248-01	3-NITROANILINE	10/31/2019		Y	N	U		U	210	40	ug/kg
B-19 (4-5)	L1951248-01	3-METHYLPHENOL/4-METHYLPHENOL	10/31/2019		Y	N	U		U	300	33	ug/kg
B-19 (4-5)	L1951248-01	3,3'-DICHLOROBENZIDINE	10/31/2019		Y	N	U		U	210	56	ug/kg
B-19 (4-5)	L1951248-01	2-NITROPHENOL	10/31/2019		Y	N	U		U	460	80	ug/kg
B-19 (4-5)	L1951248-01	2-NITROANILINE	10/31/2019		Y	N	U		U	210	41	ug/kg
B-19 (4-5)	L1951248-01	4,6-DINITRO-O-CRESOL	10/31/2019		Y	N	U		U	550	100	ug/kg
B-19 (4-5)	L1951248-01	2-METHYLNAPHTHALENE	10/31/2019		Y	N	U		U	250	26	ug/kg
B-19 (4-5)	L1951248-01	2-CHLOROPHENOL	10/31/2019		Y	N	U		U	210	25	ug/kg

SDG: L1951248

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-19 (4-5)	L1951248-01	2-CHLORONAPHTHALENE	10/31/2019		Y	N	U		U	210	21	ug/kg
B-19 (4-5)	L1951248-01	2,6-DINITROTOLUENE	10/31/2019		Y	N	U		U	210	36	ug/kg
B-19 (4-5)	L1951248-01	2,4-DINITROTOLUENE	10/31/2019		Y	N	U		U	210	42	ug/kg
B-19 (4-5)	L1951248-01	2,4-DINITROPHENOL	10/31/2019		Y	N	U	UJ	UJ	1000	99	ug/kg
B-19 (4-5)	L1951248-01	2,4-DIMETHYLPHENOL	10/31/2019		Y	N	U		U	210	70	ug/kg
B-19 (4-5)	L1951248-01	BIS(2-CHLOROETHYL)ETHER	10/31/2019		Y	N	U		U	190	29	ug/kg
B-19 (4-5)	L1951248-01	2,4,6-TRICHLOROPHENOL	10/31/2019		Y	N	U		U	130	40	ug/kg
B-19 (4-5)	L1951248-01	2,4-DICHLOROPHENOL	10/31/2019		Y	N	U		U	190	34	ug/kg
B-19 (4-5)	L1951248-01	BENZO(A)ANTHRACENE	10/31/2019		Y	N	U		U	130	24	ug/kg
B-19 (4-5)	L1951248-01	BIS(2-CHLOROETHOXY)METHANE	10/31/2019		Y	N	U		U	230	21	ug/kg
B-19 (4-5)	L1951248-01	FLUORANTHENE	10/31/2019	37	Y	Y	J		J	130	24	ug/kg
B-19 (4-5)	L1951248-01	BIPHENYL	10/31/2019		Y	N	U		U	480	49	ug/kg
B-19 (4-5)	L1951248-01	1,4-DIOXANE	10/31/2019		Y	N	U		U	32	9.7	ug/kg
B-19 (4-5)	L1951248-01	BENZOIC ACID	10/31/2019		Y	N	U		U	680	210	ug/kg
B-19 (4-5)	L1951248-01	BENZO(K)FLUORANTHENE	10/31/2019		Y	N	U		U	130	34	ug/kg
B-19 (4-5)	L1951248-01	BENZO(GHI)PERYLENE	10/31/2019		Y	N	U		U	170	25	ug/kg
B-19 (4-5)	L1951248-01	BENZYL ALCOHOL	10/31/2019		Y	N	U		U	210	65	ug/kg
B-19 (4-5)	L1951248-01	BENZO(A)PYRENE	10/31/2019		Y	N	U		U	170	52	ug/kg
B-19 (4-5)	L1951248-01	4-BROMOPHENYL PHENYL ETHER	10/31/2019		Y	N	U		U	210	32	ug/kg
B-19 (4-5)	L1951248-01	ANTHRACENE	10/31/2019		Y	N	U		U	130	41	ug/kg
B-19 (4-5)	L1951248-01	ACETOPHENONE	10/31/2019		Y	N	U		U	210	26	ug/kg
B-19 (4-5)	L1951248-01	ACENAPHTHYLENE	10/31/2019		Y	N	U		U	170	33	ug/kg
B-19 (4-5)	L1951248-01	ACENAPHTHENE	10/31/2019		Y	N	U		U	170	22	ug/kg
B-19 (4-5)	L1951248-01	4-NITROPHENOL	10/31/2019		Y	N	U		U	300	86	ug/kg
B-19 (4-5)	L1951248-01	4-NITROANILINE	10/31/2019		Y	N	U		U	210	88	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-19 (4-5)	L1951248-01	4-CHLOROPHENYL PHENYL ETHER	10/31/2019		Y	N	U		U	210	23	ug/kg
B-19 (4-5)	L1951248-01	4-CHLOROANILINE	10/31/2019		Y	N	U		U	210	38	ug/kg
B-19 (4-5)	L1951248-01	BENZO(B)FLUORANTHENE	10/31/2019		Y	N	U		U	130	36	ug/kg
B-19 (4-5)	L1951248-01	NITROSODIPHENYLAMINE(NDPA)/DPA	10/31/2019		Y	N	U		U	170	24	ug/kg
B-19 (4-5)	L1951248-01	1,4-DICHLOROBENZENE	10/31/2019		Y	N	U		U	210	37	ug/kg
B-19 (4-5)	L1951248-01	P-CHLORO-M-CRESOL	10/31/2019		Y	N	U		U	210	32	ug/kg
B-19 (4-5)	L1951248-01	HEXACHLOROBUTADIENE	10/31/2019		Y	N	U		U	210	31	ug/kg
B-19 (4-5)	L1951248-01	PHENOL	10/31/2019		Y	N	U		U	210	32	ug/kg
B-19 (4-5)	L1951248-01	PHENANTHRENE	10/31/2019		Y	N	U		U	130	26	ug/kg
B-19 (4-5)	L1951248-01	PENTACHLOROPHENOL	10/31/2019		Y	N	U		U	170	46	ug/kg
B-19 (4-5)	L1951248-01	HEXACHLOROBENZENE	10/31/2019		Y	N	U		U	130	24	ug/kg
B-19 (4-5)	L1951248-01	NAPHTHALENE	10/31/2019		Y	N	U		U	210	26	ug/kg
B-19 (4-5)	L1951248-01	HEXACHLOROCYCLOPENTADIENE	10/31/2019		Y	N	U	UJ	UJ	600	190	ug/kg
B-19 (4-5)	L1951248-01	ISOPHORONE	10/31/2019		Y	N	U		U	190	27	ug/kg
B-19 (4-5)	L1951248-01	INDENO(1,2,3-CD)PYRENE	10/31/2019		Y	N	U		U	170	30	ug/kg
B-19 (4-5)	L1951248-01	HEXACHLOROETHANE	10/31/2019		Y	N	U		U	170	34	ug/kg
B-19 (4-5)	L1951248-01	PYRENE	10/31/2019	26	Y	Y	J		J	130	21	ug/kg
B-19 (4-5)	L1951248-01	TOTAL TIC COMPOUNDS	10/31/2019	499	Y	Y	J		J			
B-19 (4-5)	L1951248-01	UNKNOWN	10/31/2019	499	Y	Y	J		J			
B-19 (4-5)	L1951248-01	NITROBENZENE	10/31/2019		Y	N	U		U	190	31	ug/kg
B-19 (4-5)	L1951248-01	BUTYL BENZYL PHTHALATE	10/31/2019		Y	N	U		U	210	53	ug/kg
B-19 (4-5)	L1951248-01	1,3-DICHLOROBENZENE	10/31/2019		Y	N	U		U	210	36	ug/kg
B-19 (4-5)	L1951248-01	1,2-DICHLOROBENZENE	10/31/2019		Y	N	U		U	210	38	ug/kg
B-19 (4-5)	L1951248-01	1,2,4-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	210	24	ug/kg

SDG: L1951248

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-19 (4-5)	L1951248-01	1,2,4,5-TETRACHLOROBENZENE	10/31/2019		Y	N	U		U	210	22	ug/kg
B-19 (4-5)	L1951248-01	N-NITROSODI-N-PROPYLAMINE	10/31/2019		Y	N	U		U	210	33	ug/kg
B-19 (4-5)	L1951248-01	BIS(2-ETHYLHEXYL)PHTHALATE	10/31/2019		Y	N	U		U	210	73	ug/kg
B-19 (4-5)	L1951248-01	FLUORENE	10/31/2019		Y	N	U		U	210	20	ug/kg
B-19 (4-5)	L1951248-01	CARBAZOLE	10/31/2019		Y	N	U		U	210	20	ug/kg
B-19 (4-5)	L1951248-01	CHRYSENE	10/31/2019		Y	N	U		U	130	22	ug/kg
B-19 (4-5)	L1951248-01	DI-N-BUTYLPHTHALATE	10/31/2019		Y	N	U		U	210	40	ug/kg
B-19 (4-5)	L1951248-01	DI-N-OCTYLPHTHALATE	10/31/2019		Y	N	U		U	210	72	ug/kg
B-19 (4-5)	L1951248-01	DIBENZO(A,H)ANTHRACENE	10/31/2019		Y	N	U		U	130	24	ug/kg
B-19 (4-5)	L1951248-01	DIBENZOFURAN	10/31/2019		Y	N	U		U	210	20	ug/kg
B-19 (4-5)	L1951248-01	DIETHYL PHTHALATE	10/31/2019		Y	N	U		U	210	20	ug/kg
B-19 (4-5)	L1951248-01	DIMETHYL PHTHALATE	10/31/2019		Y	N	U		U	210	44	ug/kg
B-19 (4-5)	L1951248-01	BIS(2-CHLOROISOPROPYL)ETHER	10/31/2019		Y	N	U	UJ	UJ	250	36	ug/kg
B-19 (5.5-6.5)	L1951248-02	TOTAL TIC COMPOUNDS	10/31/2019	3400	Y	Y	J		J			
B-19 (5.5-6.5)	L1951248-02	UNKNOWN	10/31/2019	2820	Y	Y	J		J			
B-19 (5.5-6.5)	L1951248-02	UNKNOWN	10/31/2019	170	Y	Y	J		J			
B-19 (5.5-6.5)	L1951248-02	3,3'-DICHLOROBENZIDINE	10/31/2019		Y	N	U		U	180	49	ug/kg
B-19 (5.5-6.5)	L1951248-02	DIMETHYL PHTHALATE	10/31/2019		Y	N	U		U	180	38	ug/kg
B-19 (5.5-6.5)	L1951248-02	ISOPHORONE	10/31/2019		Y	N	U		U	160	24	ug/kg
B-19 (5.5-6.5)	L1951248-02	2-NITROANILINE	10/31/2019		Y	N	U		U	180	35	ug/kg
B-19 (5.5-6.5)	L1951248-02	HEXACHLOROETHANE	10/31/2019		Y	N	U		U	150	30	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,2,4,5-TETRACHLOROBENZENE	10/31/2019		Y	N	U		U	180	19	ug/kg
B-19 (5.5-6.5)	L1951248-02	HEXACHLOROBUTADIENE	10/31/2019		Y	N	U		U	180	27	ug/kg
B-19 (5.5-6.5)	L1951248-02	HEXACHLOROBENZENE	10/31/2019		Y	N	U		U	110	20	ug/kg
B-19 (5.5-6.5)	L1951248-02	CARBAZOLE	10/31/2019		Y	N	U		U	180	18	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-19 (5.5-6.5)	L1951248-02	FLUORANTHENE	10/31/2019		Y	N	U		U	110	21	ug/kg
B-19 (5.5-6.5)	L1951248-02	NITROBENZENE	10/31/2019		Y	N	U		U	160	27	ug/kg
B-19 (5.5-6.5)	L1951248-02	DIETHYL PHTHALATE	10/31/2019		Y	N	U		U	180	17	ug/kg
B-19 (5.5-6.5)	L1951248-02	DIBENZOFURAN	10/31/2019		Y	N	U		U	180	17	ug/kg
B-19 (5.5-6.5)	L1951248-02	DIBENZO(A,H)ANTHRACENE	10/31/2019		Y	N	U		U	110	21	ug/kg
B-19 (5.5-6.5)	L1951248-02	DI-N-OCTYLPHTHALATE	10/31/2019		Y	N	U		U	180	62	ug/kg
B-19 (5.5-6.5)	L1951248-02	DI-N-BUTYLPHTHALATE	10/31/2019		Y	N	U		U	180	35	ug/kg
B-19 (5.5-6.5)	L1951248-02	CHRYSENE	10/31/2019		Y	N	U		U	110	19	ug/kg
B-19 (5.5-6.5)	L1951248-02	FLUORENE	10/31/2019		Y	N	U		U	180	18	ug/kg
B-19 (5.5-6.5)	L1951248-02	CYCLIC OCTAATOMIC SULFUR	10/31/2019	409	Y	Y	NJ		J			
B-19 (5.5-6.5)	L1951248-02	BENZO(B)FLUORANTHENE	10/31/2019		Y	N	U		U	110	31	ug/kg
B-19 (5.5-6.5)	L1951248-02	BENZO(GHI)PERYLENE	10/31/2019		Y	N	U		U	150	22	ug/kg
B-19 (5.5-6.5)	L1951248-02	BENZO(K)FLUORANTHENE	10/31/2019		Y	N	U		U	110	29	ug/kg
B-19 (5.5-6.5)	L1951248-02	BENZOIC ACID	10/31/2019		Y	N	U		U	590	180	ug/kg
B-19 (5.5-6.5)	L1951248-02	BENZYL ALCOHOL	10/31/2019		Y	N	U		U	180	56	ug/kg
B-19 (5.5-6.5)	L1951248-02	BIPHENYL	10/31/2019		Y	N	U		U	420	42	ug/kg
B-19 (5.5-6.5)	L1951248-02	NITROSODIPHENYLAMINE(NDPA)/DPA	10/31/2019		Y	N	U		U	150	21	ug/kg
B-19 (5.5-6.5)	L1951248-02	BIS(2-CHLOROETHYL)ETHER	10/31/2019		Y	N	U		U	160	25	ug/kg
B-19 (5.5-6.5)	L1951248-02	NAPHTHALENE	10/31/2019		Y	N	U		U	180	22	ug/kg
B-19 (5.5-6.5)	L1951248-02	P-CHLORO-M-CRESOL	10/31/2019		Y	N	U		U	180	27	ug/kg
B-19 (5.5-6.5)	L1951248-02	N-NITROSODI-N-PROPYLAMINE	10/31/2019		Y	N	U		U	180	28	ug/kg
B-19 (5.5-6.5)	L1951248-02	PYRENE	10/31/2019		Y	N	U		U	110	18	ug/kg
B-19 (5.5-6.5)	L1951248-02	PHENOL	10/31/2019		Y	N	U		U	180	28	ug/kg
B-19 (5.5-6.5)	L1951248-02	PHENANTHRENE	10/31/2019		Y	N	U		U	110	22	ug/kg

SDG: L1951248

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-19 (5.5-6.5)	L1951248-02	PENTACHLOROPHENOL	10/31/2019		Y	N	U		U	150	40	ug/kg
B-19 (5.5-6.5)	L1951248-02	HEXACHLOROCYCLOPENTADIENE	10/31/2019		Y	N	U	UJ	UJ	520	170	ug/kg
B-19 (5.5-6.5)	L1951248-02	BIS(2-CHLOROETHOXY)METHANE	10/31/2019		Y	N	U		U	200	18	ug/kg
B-19 (5.5-6.5)	L1951248-02	BUTYL BENZYL PHTHALATE	10/31/2019		Y	N	U		U	180	46	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,2-DICHLOROBENZENE	10/31/2019		Y	N	U		U	180	33	ug/kg
B-19 (5.5-6.5)	L1951248-02	ANTHRACENE	10/31/2019		Y	N	U		U	110	36	ug/kg
B-19 (5.5-6.5)	L1951248-02	ACENAPHTHYLENE	10/31/2019		Y	N	U		U	150	28	ug/kg
B-19 (5.5-6.5)	L1951248-02	4-NITROPHENOL	10/31/2019		Y	N	U		U	260	75	ug/kg
B-19 (5.5-6.5)	L1951248-02	4-NITROANILINE	10/31/2019		Y	N	U		U	180	76	ug/kg
B-19 (5.5-6.5)	L1951248-02	4-CHLOROPHENYL PHENYL ETHER	10/31/2019		Y	N	U		U	180	20	ug/kg
B-19 (5.5-6.5)	L1951248-02	4-CHLOROANILINE	10/31/2019		Y	N	U		U	180	33	ug/kg
B-19 (5.5-6.5)	L1951248-02	4-BROMOPHENYL PHENYL ETHER	10/31/2019		Y	N	U		U	180	28	ug/kg
B-19 (5.5-6.5)	L1951248-02	4,6-DINITRO-O-CRESOL	10/31/2019		Y	N	U		U	480	88	ug/kg
B-19 (5.5-6.5)	L1951248-02	3-NITROANILINE	10/31/2019		Y	N	U		U	180	34	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,3-DICHLOROBENZENE	10/31/2019		Y	N	U		U	180	32	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,4-DICHLOROBENZENE	10/31/2019		Y	N	U		U	180	32	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,2,4-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	180	21	ug/kg
B-19 (5.5-6.5)	L1951248-02	2,4,5-TRICHLOROPHENOL	10/31/2019		Y	N	U		U	180	35	ug/kg
B-19 (5.5-6.5)	L1951248-02	ACETOPHENONE	10/31/2019		Y	N	U		U	180	23	ug/kg
B-19 (5.5-6.5)	L1951248-02	2,4,6-TRICHLOROPHENOL	10/31/2019		Y	N	U		U	110	35	ug/kg
B-19 (5.5-6.5)	L1951248-02	INDENO(1,2,3-CD)PYRENE	10/31/2019		Y	N	U		U	150	26	ug/kg
B-19 (5.5-6.5)	L1951248-02	2,4-DICHLOROPHENOL	10/31/2019		Y	N	U		U	160	29	ug/kg
B-19 (5.5-6.5)	L1951248-02	2,4-DIMETHYLPHENOL	10/31/2019		Y	N	U		U	180	60	ug/kg
B-19 (5.5-6.5)	L1951248-02	3-METHYLPHENOL/4-METHYLPHENOL	10/31/2019		Y	N	U		U	260	29	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-19 (5.5-6.5)	L1951248-02	2-NITROPHENOL	10/31/2019		Y	N	U		U	400	69	ug/kg
B-19 (5.5-6.5)	L1951248-02	2-METHYLPHENOL	10/31/2019		Y	N	U		U	180	28	ug/kg
B-19 (5.5-6.5)	L1951248-02	2-METHYLNAPHTHALENE	10/31/2019		Y	N	U		U	220	22	ug/kg
B-19 (5.5-6.5)	L1951248-02	2-CHLOROPHENOL	10/31/2019		Y	N	U		U	180	22	ug/kg
B-19 (5.5-6.5)	L1951248-02	2-CHLORONAPHTHALENE	10/31/2019		Y	N	U		U	180	18	ug/kg
B-19 (5.5-6.5)	L1951248-02	2,6-DINITROTOLUENE	10/31/2019		Y	N	U		U	180	31	ug/kg
B-19 (5.5-6.5)	L1951248-02	2,4-DINITROTOLUENE	10/31/2019		Y	N	U		U	180	37	ug/kg
B-19 (5.5-6.5)	L1951248-02	2,4-DINITROPHENOL	10/31/2019		Y	N	U	UJ	UJ	880	85	ug/kg
B-19 (5.5-6.5)	L1951248-02	1,4-DIOXANE	10/31/2019		Y	N	U		U	27	8.4	ug/kg
B-19 (5.5-6.5)	L1951248-02	ACENAPHTHENE	10/31/2019		Y	N	U		U	150	19	ug/kg
B-19 (5.5-6.5)	L1951248-02	BIS(2-ETHYLHEXYL)PHTHALATE	10/31/2019		Y	N	U		U	180	63	ug/kg
B-19 (5.5-6.5)	L1951248-02	BIS(2-CHLOROISOPROPYL)ETHER	10/31/2019		Y	N	U	UJ	UJ	220	31	ug/kg
B-19 (5.5-6.5)	L1951248-02	BENZO(A)PYRENE	10/31/2019		Y	N	U		U	150	45	ug/kg
B-19 (5.5-6.5)	L1951248-02	BENZO(A)ANTHRACENE	10/31/2019		Y	N	U		U	110	21	ug/kg
WC-B2 (0-5) COMP	L1951248-07	2,4-DICHLOROPHENOL	10/31/2019		Y	N	U		U	170	30	ug/kg
WC-B2 (0-5) COMP	L1951248-07	FLUORANTHENE	10/31/2019	160	Y	Y				110	22	ug/kg
WC-B2 (0-5) COMP	L1951248-07	2-NITROANILINE	10/31/2019		Y	N	U		U	190	36	ug/kg
WC-B2 (0-5) COMP	L1951248-07	FLUORENE	10/31/2019		Y	N	U		U	190	18	ug/kg
WC-B2 (0-5) COMP	L1951248-07	DIMETHYL PHTHALATE	10/31/2019		Y	N	U		U	190	40	ug/kg
WC-B2 (0-5) COMP	L1951248-07	DIETHYL PHTHALATE	10/31/2019		Y	N	U		U	190	17	ug/kg
WC-B2 (0-5) COMP	L1951248-07	DIBENZOFURAN	10/31/2019		Y	N	U		U	190	18	ug/kg
WC-B2 (0-5) COMP	L1951248-07	DIBENZO(A,H)ANTHRACENE	10/31/2019		Y	N	U		U	110	22	ug/kg
WC-B2 (0-5) COMP	L1951248-07	1,4-DICHLOROBENZENE	10/31/2019		Y	N	U		U	190	33	ug/kg
WC-B2 (0-5) COMP	L1951248-07	2,4,6-TRICHLOROPHENOL	10/31/2019		Y	N	U		U	110	36	ug/kg
WC-B2 (0-5) COMP	L1951248-07	1,2,4-TRICHLOROBENZENE	10/31/2019		Y	N	U		U	190	22	ug/kg

SDG: L1951248

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B2 (0-5) COMP	L1951248-07	2,4-DIMETHYLPHENOL	10/31/2019		Y	N	U		U	190	62	ug/kg
WC-B2 (0-5) COMP	L1951248-07	2,4-DINITROPHENOL	10/31/2019		Y	N	U		U	900	88	ug/kg
WC-B2 (0-5) COMP	L1951248-07	2,4-DINITROTOLUENE	10/31/2019		Y	N	U		U	190	38	ug/kg
WC-B2 (0-5) COMP	L1951248-07	2,6-DINITROTOLUENE	10/31/2019		Y	N	U		U	190	32	ug/kg
WC-B2 (0-5) COMP	L1951248-07	2,4,5-TRICHLOROPHENOL	10/31/2019		Y	N	U		U	190	36	ug/kg
WC-B2 (0-5) COMP	L1951248-07	INDENO(1,2,3-CD)PYRENE	10/31/2019		Y	N	U		U	150	26	ug/kg
WC-B2 (0-5) COMP	L1951248-07	PHENANTHRENE	10/31/2019	70	Y	Y	J		J	110	23	ug/kg
WC-B2 (0-5) COMP	L1951248-07	CHRYSENE	10/31/2019	54	Y	Y	J		J	110	20	ug/kg
WC-B2 (0-5) COMP	L1951248-07	BENZO(B)FLUORANTHENE	10/31/2019	50	Y	Y	J		J	110	32	ug/kg
WC-B2 (0-5) COMP	L1951248-07	BENZO(A)ANTHRACENE	10/31/2019	59	Y	Y	J		J	110	21	ug/kg
WC-B2 (0-5) COMP	L1951248-07	HEXACHLOROBENZENE	10/31/2019		Y	N	U		U	110	21	ug/kg
WC-B2 (0-5) COMP	L1951248-07	HEXACHLOROBUTADIENE	10/31/2019		Y	N	U		U	190	28	ug/kg
WC-B2 (0-5) COMP	L1951248-07	1,3-DICHLOROBENZENE	10/31/2019		Y	N	U		U	190	32	ug/kg
WC-B2 (0-5) COMP	L1951248-07	HEXACHLOROETHANE	10/31/2019		Y	N	U		U	150	30	ug/kg
WC-B2 (0-5) COMP	L1951248-07	2-CHLORONAPHTHALENE	10/31/2019		Y	N	U		U	190	19	ug/kg
WC-B2 (0-5) COMP	L1951248-07	ISOPHORONE	10/31/2019		Y	N	U		U	170	24	ug/kg
WC-B2 (0-5) COMP	L1951248-07	NITROSODIPHENYLAMINE(NDPA)/DPA	10/31/2019		Y	N	U		U	150	21	ug/kg
WC-B2 (0-5) COMP	L1951248-07	NAPHTHALENE	10/31/2019		Y	N	U		U	190	23	ug/kg
WC-B2 (0-5) COMP	L1951248-07	1,2,4,5-TETRACHLOROBENZENE	10/31/2019		Y	N	U		U	190	20	ug/kg
WC-B2 (0-5) COMP	L1951248-07	PYRENE	10/31/2019	130	Y	Y				110	19	ug/kg
WC-B2 (0-5) COMP	L1951248-07	1,2-DICHLOROBENZENE	10/31/2019		Y	N	U		U	190	34	ug/kg
WC-B2 (0-5) COMP	L1951248-07	HEXACHLOROCYCLOPENTADIENE	10/31/2019		Y	N	U		U	540	170	ug/kg
WC-B2 (0-5) COMP	L1951248-07	4-CHLOROANILINE	10/31/2019		Y	N	U		U	190	34	ug/kg
WC-B2 (0-5) COMP	L1951248-07	BENZYL ALCOHOL	10/31/2019		Y	N	U		U	190	58	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B2 (0-5) COMP	L1951248-07	BENZO(K)FLUORANTHENE	10/31/2019		Y	N	U		U	110	30	ug/kg
WC-B2 (0-5) COMP	L1951248-07	ACETOPHENONE	10/31/2019		Y	N	U		U	190	23	ug/kg
WC-B2 (0-5) COMP	L1951248-07	2-NITROPHENOL	10/31/2019		Y	N	U		U	410	71	ug/kg
WC-B2 (0-5) COMP	L1951248-07	3,3'-DICHLOROBENZIDINE	10/31/2019		Y	N	U		U	190	50	ug/kg
WC-B2 (0-5) COMP	L1951248-07	3-METHYLPHENOL/4-METHYLPHENOL	10/31/2019		Y	N	U		U	270	29	ug/kg
WC-B2 (0-5) COMP	L1951248-07	3-NITROANILINE	10/31/2019		Y	N	U		U	190	35	ug/kg
WC-B2 (0-5) COMP	L1951248-07	BIPHENYL	10/31/2019		Y	N	U		U	430	44	ug/kg
WC-B2 (0-5) COMP	L1951248-07	4-BROMOPHENYL PHENYL ETHER	10/31/2019		Y	N	U		U	190	29	ug/kg
WC-B2 (0-5) COMP	L1951248-07	BENZOIC ACID	10/31/2019		Y	N	U		U	610	190	ug/kg
WC-B2 (0-5) COMP	L1951248-07	1,4-DIOXANE	10/31/2019		Y	N	U		U	28	8.6	ug/kg
WC-B2 (0-5) COMP	L1951248-07	4-CHLOROPHENYL PHENYL ETHER	10/31/2019		Y	N	U		U	190	20	ug/kg
WC-B2 (0-5) COMP	L1951248-07	BENZO(A)PYRENE	10/31/2019		Y	N	U		U	150	46	ug/kg
WC-B2 (0-5) COMP	L1951248-07	ANTHRACENE	10/31/2019		Y	N	U		U	110	37	ug/kg
WC-B2 (0-5) COMP	L1951248-07	4-NITROANILINE	10/31/2019		Y	N	U		U	190	78	ug/kg
WC-B2 (0-5) COMP	L1951248-07	4-NITROPHENOL	10/31/2019		Y	N	U		U	260	77	ug/kg
WC-B2 (0-5) COMP	L1951248-07	ACENAPHTHENE	10/31/2019		Y	N	U		U	150	19	ug/kg
WC-B2 (0-5) COMP	L1951248-07	ACENAPHTHYLENE	10/31/2019		Y	N	U		U	150	29	ug/kg
WC-B2 (0-5) COMP	L1951248-07	4,6-DINITRO-O-CRESOL	10/31/2019		Y	N	U		U	490	90	ug/kg
WC-B2 (0-5) COMP	L1951248-07	PENTACHLOROPHENOL	10/31/2019		Y	N	U		U	150	41	ug/kg
WC-B2 (0-5) COMP	L1951248-07	2-CHLOROPHENOL	10/31/2019		Y	N	U		U	190	22	ug/kg
WC-B2 (0-5) COMP	L1951248-07	DI-N-OCTYLPHTHALATE	10/31/2019		Y	N	U		U	190	64	ug/kg
WC-B2 (0-5) COMP	L1951248-07	DI-N-BUTYLPHTHALATE	10/31/2019		Y	N	U		U	190	36	ug/kg
WC-B2 (0-5) COMP	L1951248-07	CARBAZOLE	10/31/2019		Y	N	U		U	190	18	ug/kg
WC-B2 (0-5) COMP	L1951248-07	2-METHYLNAPHTHALENE	10/31/2019		Y	N	U		U	220	23	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B2 (0-5) COMP	L1951248-07	2-METHYLPHENOL	10/31/2019		Y	N	U		U	190	29	ug/kg
WC-B2 (0-5) COMP	L1951248-07	P-CHLORO-M-CRESOL	10/31/2019		Y	N	U		U	190	28	ug/kg
WC-B2 (0-5) COMP	L1951248-07	BENZO(GHI)PERYLENE	10/31/2019		Y	N	U		U	150	22	ug/kg
WC-B2 (0-5) COMP	L1951248-07	PHENOL	10/31/2019		Y	N	U		U	190	28	ug/kg
WC-B2 (0-5) COMP	L1951248-07	BIS(2-CHLOROETHOXY)METHANE	10/31/2019		Y	N	U		U	200	19	ug/kg
WC-B2 (0-5) COMP	L1951248-07	NITROBENZENE	10/31/2019		Y	N	U		U	170	28	ug/kg
WC-B2 (0-5) COMP	L1951248-07	BUTYL BENZYL PHTHALATE	10/31/2019		Y	N	U		U	190	47	ug/kg
WC-B2 (0-5) COMP	L1951248-07	BIS(2-ETHYLHEXYL)PHTHALATE	10/31/2019		Y	N	U		U	190	65	ug/kg
WC-B2 (0-5) COMP	L1951248-07	BIS(2-CHLOROISOPROPYL)ETHER	10/31/2019		Y	N	U	UJ	UJ	220	32	ug/kg
WC-B2 (0-5) COMP	L1951248-07	BIS(2-CHLOROETHYL)ETHER	10/31/2019		Y	N	U		U	170	26	ug/kg
WC-B2 (0-5) COMP	L1951248-07	N-NITROSODI-N-PROPYLAMINE	10/31/2019		Y	N	U		U	190	29	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	CHRYSENE	11/1/2019		Y	N	U		U	110	18	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	CARBAZOLE	11/1/2019		Y	N	U		U	180	17	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	BUTYL BENZYL PHTHALATE	11/1/2019		Y	N	U		U	180	45	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	BIS(2-CHLOROISOPROPYL)ETHER	11/1/2019		Y	N	U	UJ	UJ	210	30	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	INDENO(1,2,3-CD)PYRENE	11/1/2019		Y	N	U		U	140	25	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	BIS(2-ETHYLHEXYL)PHTHALATE	11/1/2019		Y	N	U		U	180	62	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	DI-N-BUTYLPHTHALATE	11/1/2019		Y	N	U		U	180	34	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	DI-N-OCTYLPHTHALATE	11/1/2019		Y	N	U		U	180	61	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	BIS(2-CHLOROETHYL)ETHER	11/1/2019		Y	N	U		U	160	24	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	ISOPHORONE	11/1/2019		Y	N	U		U	160	23	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	BIS(2-CHLOROETHOXY)METHANE	11/1/2019		Y	N	U		U	190	18	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	P-CHLORO-M-CRESOL	11/1/2019		Y	N	U		U	180	27	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	N-NITROSODI-N-PROPYLAMINE	11/1/2019		Y	N	U		U	180	28	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	PYRENE	11/1/2019		Y	N	U		U	110	18	ug/kg

SDG: L1951248

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B2-(5-10)-COMP	L1951248-09	PHENOL	11/1/2019		Y	N	U		U	180	27	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	PHENANTHRENE	11/1/2019		Y	N	U		U	110	22	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	PENTACHLOROPHENOL	11/1/2019		Y	N	U		U	140	39	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	NITROBENZENE	11/1/2019		Y	N	U		U	160	26	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	HEXACHLOROCYCLOPENTADIENE	11/1/2019		Y	N	U		U	510	160	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	NITROSODIPHENYLAMINE(NDPA)/DPA	11/1/2019		Y	N	U		U	140	20	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	DIBENZO(A,H)ANTHRACENE	11/1/2019		Y	N	U		U	110	21	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	2,4-DICHLOROPHENOL	11/1/2019		Y	N	U		U	160	29	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	HEXACHLOROETHANE	11/1/2019		Y	N	U		U	140	29	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	HEXACHLOROBUTADIENE	11/1/2019		Y	N	U		U	180	26	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	FLUORANTHENE	11/1/2019	22	Y	Y	J		J	110	20	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	HEXACHLOROBENZENE	11/1/2019		Y	N	U		U	110	20	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	FLUORENE	11/1/2019		Y	N	U		U	180	17	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	DIMETHYL PHTHALATE	11/1/2019		Y	N	U		U	180	38	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	DIETHYL PHTHALATE	11/1/2019		Y	N	U		U	180	16	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	DIBENZOFURAN	11/1/2019		Y	N	U		U	180	17	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	NAPHTHALENE	11/1/2019		Y	N	U		U	180	22	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	2,4-DIMETHYLPHENOL	11/1/2019		Y	N	U		U	180	59	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	BIPHENYL	11/1/2019		Y	N	U		U	410	41	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	2-NITROPHENOL	11/1/2019		Y	N	U		U	390	67	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	2,4-DINITROPHENOL	11/1/2019		Y	N	U		U	860	83	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	2-METHYLPHENOL	11/1/2019		Y	N	U		U	180	28	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	2-METHYLNAPHTHALENE	11/1/2019		Y	N	U		U	210	22	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	2-CHLOROPHENOL	11/1/2019		Y	N	U		U	180	21	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B2-(5-10)-COMP	L1951248-09	2-CHLORONAPHTHALENE	11/1/2019		Y	N	U		U	180	18	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	3-METHYLPHENOL/4-METHYLPHENOL	11/1/2019		Y	N	U		U	260	28	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	2,4-DINITROTOLUENE	11/1/2019		Y	N	U		U	180	36	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	3,3'-DICHLOROBENZIDINE	11/1/2019		Y	N	U		U	180	48	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	2,4,6-TRICHLOROPHENOL	11/1/2019		Y	N	U		U	110	34	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	2,4,5-TRICHLOROPHENOL	11/1/2019		Y	N	U		U	180	34	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	1,4-DIOXANE	11/1/2019		Y	N	U		U	27	8.2	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	1,4-DICHLOROBENZENE	11/1/2019		Y	N	U		U	180	31	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	1,3-DICHLOROBENZENE	11/1/2019		Y	N	U		U	180	31	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	1,2-DICHLOROBENZENE	11/1/2019		Y	N	U		U	180	32	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	1,2,4-TRICHLOROBENZENE	11/1/2019		Y	N	U		U	180	20	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	1,2,4,5-TETRACHLOROBENZENE	11/1/2019		Y	N	U		U	180	19	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	2,6-DINITROTOLUENE	11/1/2019		Y	N	U		U	180	31	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	BENZO(A)ANTHRACENE	11/1/2019		Y	N	U		U	110	20	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	BENZYL ALCOHOL	11/1/2019		Y	N	U		U	180	55	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	BENZOIC ACID	11/1/2019		Y	N	U	R	R	580	180	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	BENZO(K)FLUORANTHENE	11/1/2019		Y	N	U		U	110	29	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	BENZO(GHI)PERYLENE	11/1/2019		Y	N	U		U	140	21	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	2-NITROANILINE	11/1/2019		Y	N	U		U	180	34	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	BENZO(A)PYRENE	11/1/2019		Y	N	U		U	140	44	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	3-NITROANILINE	11/1/2019		Y	N	U		U	180	34	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	ANTHRACENE	11/1/2019		Y	N	U		U	110	35	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	ACETOPHENONE	11/1/2019		Y	N	U		U	180	22	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	4-BROMOPHENYL PHENYL ETHER	11/1/2019		Y	N	U		U	180	27	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B2-(5-10)-COMP	L1951248-09	ACENAPHTHENE	11/1/2019		Y	N	U		U	140	18	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	4-NITROPHENOL	11/1/2019		Y	N	U		U	250	73	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	4-NITROANILINE	11/1/2019		Y	N	U		U	180	74	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	4-CHLOROPHENYL PHENYL ETHER	11/1/2019		Y	N	U		U	180	19	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	4-CHLOROANILINE	11/1/2019		Y	N	U		U	180	32	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	ACENAPHTHYLENE	11/1/2019		Y	N	U		U	140	28	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	BENZO(B)FLUORANTHENE	11/1/2019		Y	N	U		U	110	30	ug/kg
WC-B2-(5-10)-COMP	L1951248-09	4,6-DINITRO-O-CRESOL	11/1/2019		Y	N	U		U	460	86	ug/kg

Analytical Method SW9012B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-12 (3-4)	L1951248-03	CYANIDE, TOTAL	10/31/2019	2.3	Y	Y		J	J	1.1	0.24	mg/kg
B-12 (8-9)	L1951248-04	CYANIDE, TOTAL	10/31/2019	0.51	Y	Y	J	J	J	1.1	0.23	mg/kg
B-17 (1.5-2.5)	L1951248-06	CYANIDE, TOTAL	10/31/2019	74	Y	Y		J	J	5.2	1.1	mg/kg
B-18 (2-3)	L1951248-05	CYANIDE, TOTAL	10/31/2019	6.6	Y	Y		J	J	1.0	0.22	mg/kg
B-19 (4-5)	L1951248-01	CYANIDE, TOTAL	10/31/2019	3.3	Y	Y		J	J	1.3	0.27	mg/kg
B-19 (5.5-6.5)	L1951248-02	CYANIDE, TOTAL	10/31/2019	0.28	Y	Y	J	J	J	1.1	0.23	mg/kg
WC-B2 (0-5) COMP	L1951248-07	CYANIDE, TOTAL	10/31/2019	3.8	Y	Y		J	J	1.1	0.23	mg/kg
WC-B2-(5-10)-COMP	L1951248-09	CYANIDE, TOTAL	10/31/2019	2.6	Y	Y		J	J	1.0	0.22	mg/kg

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

SESI Consulting Engineers
12A Maple Avenue
Pine Brook, NJ 07058
ATTN: Mr. Steven Gustems
ssg@sesi.org

December 20, 2019

SUBJECT: Huguenot Street Development, Data Validation

Dear Mr. Gustems,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on November 6, 2019. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #46420:

SDG #	Fraction
L1941307, L1941309 L1941584, L1944968	Volatiles, Semivolatiles, Chlorinated Pesticides, Polychlorinated Biphenyls, Metals, Total Cyanide, Perfluoroalkyl & Polyfluoroalkyl Substances

The data validation was performed under Category B guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA Region 2 Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C, SOP HW-24, Revision 4; October 2014
- USEPA Region 2 Standard Operating Procedure for Semivolatile Data Validation SW-846 Method 8270D, SOP HW-35A, Revision 0; June 2015
- USEPA Region 2 Standard Operating Procedure for Validating Pesticide Compounds, Organochlorine Pesticides by Gas Chromatography SW-846 Method 8081B, SOP HW-44, Revision 1.1; December 2010
- USEPA Region 2 Standard Operating Procedure for Validating PCB Compounds, PCBs by Gas Chromatography SW-846 Method 8082A, SOP HW-45, Revision 1; October 2006
- USEPA Data Review and Validation Guidelines for Perfluoroalkyl Substances Analyzed Using EPA Method 537; November 2018
- USEPA Region 2 Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program, SOP HW-3a/c, Revision 1; September 2016

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-2017-002; January 2017

- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, EPA 540-R-2017-001; January 2017

- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014

Please feel free to contact us if you have any questions.

Sincerely,

Christina Rink

Christina Rink
crink@lab-data.com
Project Manager/Senior Chemist

Category B EDD

LDC#46420 (SESI Consulting Engineers, Pine Brook, NJ / Huguenot Street Development)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (8260C)		SVOA (8270D)		Pest. (8081B)		PCBs (8082A)		Metals (6010D /7471B)		PFAs (537M)		T.CN- (9010C /9012B)																									
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	L1941307	11/06/19	11/27/19	0	6	0	6	0	6	0	6	0	6	-	-	0	6																								
B	L1941309	11/06/19	11/27/19	0	21	0	18	0	18	0	18	0	18	1	18	0	18																								
C	L1941584	11/06/19	11/27/19	0	25	0	19	0	20	0	17	0	17	0	7	0	17																								
D	L1944968	11/06/19	11/27/19	0	2	0	2	-	-	-	-	-	-	-	-	-	-																								
Total	T/CR			0	54	0	45	0	44	0	41	0	41	1	25	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	292

Shaded cells indicate Category B validation (all other cells are Category A validation). These sample counts do not include MS/MSD, and DUPs

Site: 33 Centre Avenue
Laboratory: Alpha Analytical, Inc.
Report No.: L1941307
Reviewer: Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date: November 26, 2019

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
WC-A2I COMP	L1941307-01	SVOC, Pesticide, PCB
WC-A2I GRAB	L1941307-02	VOC
WC-A2II GRAB	L1941307-03	VOC
WC-A2II COMP	L1941307-04	SVOC, Pesticide, PCB
WC-B1I GRAB	L1941307-05	VOC
WC-B1I COMP	L1941307-06	SVOC, Pesticide, PCB
WC-B1II GRAB	L1941307-07	VOC
WC-B1II COMP	L1941307-08	SVOC, Pesticide, PCB
WC-A1I GRAB	L1941307-09	VOC
WC-A1I COMP	L1941307-10	SVOC, Pesticide, PCB
WC-A1II GRAB	L1941307-11	VOC
WC-A1II COMP	L1941307-12	SVOC, Pesticide, PCB

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed soil samples were collected on September 10, 2019 and were analyzed for volatile organic compounds (VOC) by SW-846 method 8260C, semivolatile organic compounds (SVOC) by SW-846 method 8270D, chlorinated pesticides by SW 846 method 8081B, and polychlorinated biphenyls (PCB) by SW-846 method 8082A. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C,* SOP HW-24, Revision 4 (October 2014), the USEPA Region 2 *Standard Operating Procedure for Semivolatile Data Validation SW-846 Method 8270D,* SOP HW-35A, Revision 0 (June 2015), the USEPA Region 2 *Standard Operating Procedure for Validating Pesticide Compounds, Organochlorine Pesticides by Gas Chromatography SW-846 Method 8081B,* SOP HW-44, Revision 1.1 (December 2010), the USEPA Region 2 *Standard Operating Procedure for Validating PCB Compounds, PCBs by Gas Chromatography SW-846 Method 8082A,* SOP HW-45, Revision 1 (October 2006), and the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-2017-002 (January 2017), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- GC/Electron Capture Detector (GC/ECD) Instrument Performance Checks
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

VOC and SVOC

All criteria were met.

GC/ECD Instrument Performance Checks

Pesticide and PCB

All criteria were met.

Initial and Continuing Calibrations

VOC

Initial calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
06/15/19	ICAL-VOA111	1,4-Dioxane	0.002 (≥0.005)	WC-A2I GRAB WC-A2II GRAB WC-B1I GRAB WC-B1II GRAB WC-A1I GRAB WC-A1II GRAB	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane results were estimated due to response factor exceedance. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
09/16/19	CCV	Dichlorodifluoromethane Bromomethane Acetone	55.8 22.3 24.9	WC-A2I GRAB WC-A2II GRAB WC-B1I GRAB WC-B1II GRAB WC-A1I GRAB WC-A1II GRAB	XX XX XX	J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The dichlorodifluoromethane, bromomethane, and acetone results were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
09/16/19	CCV	1,4-Dioxane	0.00174 (≥0.005)	WC-A2I GRAB WC-A2II GRAB WC-B1I GRAB WC-B1II GRAB WC-A1I GRAB WC-A1II GRAB	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane results were estimated due to response factor exceedance. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

SVOC

Initial calibration:

All criteria were met.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
09/16/19	CCV	Bis(2-chloroisopropyl) ether Hexachlorocyclopentadiene	20.4 22	WC-A2I COMP WC-A2II COMP WC-B1I COMP WC-B1II COMP WC-A1I COMP WC-A1II COMP	XX XX	UJ nondetects UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The bis(2-chloroisopropyl) ether and hexachlorocyclopentadiene results were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Pesticide and PCB

All criteria were met.

Blanks

VOC

Contamination was detected in the associated VOC method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Blank ID	Compound TIC (RT in minutes)	Level Detected	Action Level	Associated Samples
WG1284957-5Blank	Methylene chloride	2.5 ug/Kg	2xRL	WC-A2I GRAB
	Chloroform	0.32 ug/Kg	RL	WC-A2II GRAB
	Unknown (2.09)	5.7 ug/Kg	RL	WC-B1I GRAB
				WC-B1II GRAB
				WC-A1I GRAB
				WC-A1II GRAB

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
WC-A2I GRAB	Methylene chloride	2.5 ug/Kg	5.2U ug/Kg
	Chloroform	0.29 ug/Kg	1.5U ug/Kg
WC-A2II GRAB	Methylene chloride	2.0 ug/Kg	4.4U ug/Kg
	Chloroform	0.24 ug/Kg	1.3U ug/Kg
WC-B1I GRAB	Methylene chloride	2.5 ug/Kg	4.6U ug/Kg
	Chloroform	0.29 ug/Kg	1.44U ug/Kg
WC-B1II GRAB	Methylene chloride	2.3 ug/Kg	4.4U ug/Kg
	Chloroform	0.88 ug/Kg	1.3U ug/Kg
WC-A1I GRAB	Methylene chloride	2.4 ug/Kg	4.4U ug/Kg
	Chloroform	0.24 ug/Kg	1.3U ug/Kg
WC-A1II GRAB	Methylene chloride	2.2 ug/Kg	4.4U ug/Kg
	Chloroform	0.24 ug/Kg	1.3U ug/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

A field blank was not associated with this samples set. Validation action was not required on this basis.

SVOC, Pesticide, and PCB

Contamination was not detected in the method blanks.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

MS/MSD analyses were not associated with this sample set. Validation action was not required on this basis.

LCS Results

VOC

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the VOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
WG1284957-3/4	Acrylonitrile	131 (70-130)	-	WC-A2I GRAB WC-A2II GRAB WC-B1I GRAB WC-B1II GRAB WC-A1I GRAB WC-A1II GRAB	None

- Within control limits

Validation action was not required for acrylonitrile due to high LCS/LCSD percent recovery as positive results only are affected and this compound was not detected in the associated samples.

SVOC, Pesticide, and PCB

All criteria were met.

Internal Standards

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Moisture Content

All criteria were met.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC and SVOC analyses. These results were qualified as estimated (J) by the laboratory.

No results were reported below the RL and above the MDL in the pesticide and PCB analyses.

Dilutions were not required for VOC, SVOC, pesticide, and PCB analyses.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 46420A1a **VALIDATION COMPLETENESS WORKSHEET** Date: 11/25/19
SDG #: L1941307 Category B Page: 1 of 1
Laboratory: Alpha Analytical, Inc. Reviewer:
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / SW	%D/RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	SW	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	
IX.	Laboratory control samples	SW	LCS ID
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Results < RL > MDL = Jdet
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	WC-A2I GRAB	L1941307-02	Soil	09/10/19
2	WC-A2II GRAB	L1941307-03	Soil	09/10/19
3	WC-B1I GRAB	L1941307-05	Soil	09/10/19
4	WC-B1II GRAB	L1941307-07	Soil	09/10/19
5	WC-A1I GRAB	L1941307-09	Soil	09/10/19
6	WC-A1II GRAB	L1941307-11	Soil	09/10/19
7				
8				
9				

Notes:

	WG1284957-5 Blank						

LDC #: 46420A1a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?	✓			
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	

LDC #: 46420Ab

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification	✓			
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?				
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 46420A1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?
Y N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?
Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____
Y N N/A Did the initial calibration meet the acceptance criteria?
Y N N/A Were all %RSDs and RRFs within the validation criteria of ≤20 %RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: 20%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
	6/15/19	ICAL-VOA11	HHHH		0.002 (≥0.005)	All	J/UJ/A ND

INICAL.wpd

LDC #: 464A20A1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	9/6/19	CCV	JJ	55.8		All	J/UA ND+Det
	0747		B	22.3		↓	↓
			F	249		↓	↓
			HHH		0.00174 (≥0.005)	↓	↓

LDC #: 46420A1a

VALIDATION FINDINGS WORKSHEET
Blanks

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: V GC ___ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all samples associated with a given method blank?
Y N N/A Was a method blank performed for each matrix and whenever a sample extraction procedure was performed?
Y N N/A Was a method blank performed with each extraction batch?
Y N N/A Were any contaminants found in the method blanks? If yes, please see findings below.

Level IV/D Only

Y N N/A (Gasoline and aromatics only)Was a method blank analyzed with each 24 hour batch?
Y N N/A Was a method blank analyzed for each analytical / extraction batch of ≤20 samples?

Blank extraction date: _____ **Blank analysis date:** 9/16/19 **Associated samples:** All

Conc. units: ug/Kg

Compound	Blank ID	Sample Identification						
	WG1284957-5 Blank		1	2	3	4	5	6
c E	2.5		2.5 /5.2U	2.0 /4.4U	2.5 /4.6U	2.3/4.4U	2.4 /4.4U	2.2 /4.4U
c K	0.32		0.29 /1.5U	0.24/1.3U	0.29 /1.4U	0.88/1.3U	0.24/1.3U	0.24 /1.3U
TIC unknown	5.7(2.09)							

Blank extraction date: _____ **Blank analysis date:** _____ **Associated samples:** _____

Conc. units: _____

Compound	Blank ID	Sample Identification						

ALL CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC #: 46420A1a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: FT
2nd Reviewer:

METHOD: ✓ GC __ HPLC GCMS

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a laboratory control samples (LCS) and laboratory control sample duplicate (LCSD) analyzed for each matrix in this SDG?

Y N N/A Were the LCS percent recoveries (%R) and relative percent differences (RPD) within the QC limits?

Level IV/D Only

Y N N/A Was an LCS analyzed every 20 samples for each matrix or whenever a sample extraction was performed?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	WG1284957-3/4	GGGG	131 (70-130)	( )	( )	All	Jdet /P ND
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC #: 46420A1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: Q

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 40 ug/L std)	Recalculated (RRF 40ug/L std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL VOA111	6/15/2019	QQQ	0.234	0.234	0.222	0.222	8.56	8.56
			CC	0.672	0.672	0.662	0.662	7.36	7.36
			BB	0.619	0.619	0.600	0.600	3.38	3.38

LDC #: 46420A1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA Method 8260C)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	ccv	9/16/19	666 (1st internal standard)	0.222	0.233	0.233	5.U	5.0
	0747		CC (2nd internal standard)	0.662	0.690	0.690	4.2	4.2
			BB (3rd internal standard)	0.60U	0.546	0.546	9	9.U
			(4th internal standard)					
2			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
5			(1st internal standard)					
			(2nd internal standard					
			(3rd internal standard)					
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420A1a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: FT
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: ~~#2~~ #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	20.0	20.087	100	100	0
1,2-Dichloroethane-d4	↓	23.422	117	117	↓
Toluene-d8		18.621	93	93	
Bromofluorobenzene		18.730	94	94	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 46420A/a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT
2nd Reviewer: O

METHOD: GC/MS VOA (EPA Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: WG1284957-3/4

Compound	Spike Added (ug/kg)		Spiked Sample Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	20	20	19.831	19.905	99	99	100	100	1	0
Trichloroethene			21 (20.666) (20.974)	21 (20.590) 21.126	105	105	106	106	1	1
Benzene			21 20.666	21 20.590	103	103	103	103	0	0
Toluene			21 20.454	21 20.474	104	104	102	102	2	2
Chlorobenzene			20 20.250	20 19.963	101	101	100	100	1	1

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420A1a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. ~~#2~~ #1, QQQ

Conc. = $\frac{360999\ (20.0)\ (5)}{348763\ (0.222)\ (5.17)\ (0.938)}$

= 9.61 ug/kg

5.2g %S = 94

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Qualification
	~~#2~~ #1	QQQ	9.6	9.61	

LDC #: 46420A2a
SDG #: L1941307
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 11/22/19
Page: 1 of 1
Reviewer: EJ
2nd Reviewer:

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A /A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	%D RSD ≤ 20, r^2 ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	
IX.	Laboratory control samples	A	LCS/D
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Results < RL > MDL = J/UJ
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	WC-A2I COMP	L1941307-01	Soil	09/10/19
2	WC-A2II COMP	L1941307-04	Soil	09/10/19
3	WC-B1I COMP	L1941307-06	Soil	09/10/19
4	WC-B1II COMP	L1941307-08	Soil	09/10/19
5	WC-A1I COMP	L1941307-10	Soil	09/10/19
6	WC-A1II COMP	L1941307-12	Soil	09/10/19
7				
8				
9				

Notes:

	WG1283515-Blank						

LDC #: 46420A2a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: Semivolatiles (EPA SW 846 Method 8270D)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any percent recoveries (%R) was less than 10%, was a reanalysis performed to confirm %R ?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	CC. Dimethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	GGGG. C30-Hopane	I1. Methyl methanesulfonate
B. Bis (2-chloroethyl) ether	DD. Acenaphthylene	FFF. Di-n-octylphthalate	HHHH. 1-Methylphenanthrene	J1. Ethyl methanesulfonate
C. 2-Chlorophenol	EE. 2,6-Dinitrotoluene	GGG. Benzo(b)fluoranthene	IIII. 1,4-Dioxane	K1. o,o',o''-Triethylphosphorothioate
D. 1,3-Dichlorobenzene	FF. 3-Nitroaniline	HHH. Benzo(k)fluoranthene	JJJJ. Acetophenone	L1. n-Phenylene diamine
E. 1,4-Dichlorobenzene	GG. Acenaphthene	III. Benzo(a)pyrene	KKKK. Atrazine	M1. 1,4-Naphthoquinone
F. 1,2-Dichlorobenzene	HH. 2,4-Dinitrophenol	JJJ. Indeno(1,2,3-cd)pyrene	LLLL. Benzaldehyde	N1. N-Nitro-o-toluidine
G. 2-Methylphenol	II. 4-Nitrophenol	KKK. Dibenz(a,h)anthracene	MMMM. Caprolactam	O1. 1,3,5-Trinitrobenzene
H. 2,2'-Oxybis(1-chloropropane)	JJ. Dibenzofuran	LLL. Benzo(g,h,i)perylene	NNNN. 2,6-Dichlorophenol	P1. Pentachlorobenzene
I. 4-Methylphenol	KK. 2,4-Dinitrotoluene	MMM. Bis(2-Chloroisopropyl)ether	OOOO. 1,2-Diphenylhydrazine	Q1. 4-Aminobiphenyl
J. N-Nitroso-di-n-propylamine	LL. Diethylphthalate	NNN. Aniline	PPPP. 3-Methylphenol	R1. 2-Naphthylamine
K. Hexachloroethane	MM. 4-Chlorophenyl-phenyl ether	OOO. N-Nitrosodimethylamine	QQQQ. 3&4-Methylphenol	S1. Triphenylene
L. Nitrobenzene	NN. Fluorene	PPP. Benzoic Acid	RRRR. 4-Dimethyldibenzothiophene (4MDT)	T1. Octachlorostyrene
M. Isophorone	OO. 4-Nitroaniline	QQQ. Benzyl alcohol	SSSS. 2/3-Dimethyldibenzothiophene (4MDT)	U1. Famphur
N. 2-Nitrophenol	PP. 4,6-Dinitro-2-methylphenol	RRR. Pyridine	TTTT. 1-Methyldibenzothiophene (1MDT)	V1. 1,4-phenylenediamine
O. 2,4-Dimethylphenol	QQ. N-Nitrosodiphenylamine	SSS. Benzidine	UUUU.. 2,3,4,6-Tetrachlorophenol	W1. Methapyrilene
P. Bis(2-chloroethoxy)methane	RR. 4-Bromophenyl-phenylether	TTT. 1-Methylnaphthalene	VVVV. 1,2,4,5-Tetrachlorobenzene	X1. Pentachloroethane
Q. 2,4-Dichlorophenol	SS. Hexachlorobenzene	UUU.Benzo(b)thiophene	WWWW.. 2-Picoline	Y1. 3,3'-Dimethylbenzidine
R. 1,2,4-Trichlorobenzene	TT. Pentachlorophenol	VVV.Benzonaphthothiophene	XXXX. 3-Methylcholanthrene	Z1. o-Toluidine
S. Naphthalene	UU. Phenanthrene	WWW.Benzo(e)pyrene	YYYY. a,a-Dimethylphenethylamine	A2. 1-Naphthylamine
T. 4-Chloroaniline	VV. Anthracene	XXX. 2,6-Dimethylnaphthalene	ZZZZ. Hexachloropropene	B2. 4-Aminobiphenyl
U. Hexachlorobutadiene	WW. Carbazole	YYY. 2,3,5-Trimethylnaphthalene	A1. N-Nitrosodiethylamine	C2. 4-Nitroquinoline-1-oxide
V. 4-Chloro-3-methylphenol	XX. Di-n-butylphthalate	ZZZ. Perylene	B1. N-Nitrosodi-n-butylamine	D2. Hexachloropene
W. 2-Methylnaphthalene	YY. Fluoranthene	AAAA. Dibenzothiophene	C1. N-Nitrosomethylethylamine	E2. Bis (2-chloro-1-methylethyl) ether
X. Hexachlorocyclopentadiene	ZZ. Pyrene	BBBB. Benzo(a)fluoranthene	D1. N-Nitrosomorpholine	F2. Bifenthrin
Y. 2,4,6-Trichlorophenol	AAA. Butylbenzylphthalate	CCCC. Benzo(b)fluorene	E1. N-Nitrosopyrrolidine	G2.Cyfluthrin
Z. 2,4,5-Trichlorophenol	BBB. 3,3'-Dichlorobenzidine	DDDD. cis/trans-Decalin	F1. Phenacetin	H2.Cypermethrin
AA. 2-Chloronaphthalene	CCC. Benzo(a)anthracene	EEEE. Biphenyl	G1. 2-Acetylaminofluorene	I2.Permethrin (cis/trans)
BB. 2-Nitroaniline	DDD. Chrysene	FFFF. Retene	H1. Pronamide	J2. 5-Nitro-o-toluidine

LDC #: 46420A2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours of sample analysis for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	9/16/19	CCV	MMM	20.4		All	J/UJ/A (ND)
	2033		X	22		↓	↓

LDC #: 46420A2q

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/23/2019	1,4 Dioxane	0.528	0.528	0.544	0.544	7.05	7.05
	GCMS12	ADP							

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/23/2019	Biphenyl	0.778	0.778	0.783	0.783	4.63	4.63
	GCMS12	AP9							

LDC #: 46420Ada

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/23/2019	A	1.742	1.742	1.756	1.756	1.81	1.81
	GCMS12		S	1.040	1.040	1.046	1.046	3.40	3.40
	ABN		GG	1.176	1.176	1.189	1.189	2.78	2.78
			UU	1.188	1.188	1.210	1.210	4.42	4.42
			EEE	1.283	1.283	1.201	1.201	11.19	11.19
			LLL	1.110	1.110	1.121	1.121	3.37	3.37

LDC #: 46420A2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 2033 ABN	9/16/19	Δ (1st IS)	1.756	1.535	1.535	12.6	12.6
			S (2nd IS)	1.046	0.93	0.93	11.1	11.1
			GG (3rd IS)	1.189	1.041	1.041	12.4	12.4
			UU (4th IS)	1.210	1.042	1.042	13.9	13.9
			EEE (5th IS)	1.201	1.096	1.096	8.7	8.7
			LLL (6th IS)	1.121	1.004	1.004	10.4	10.4
2	CCV 2119 ADP	9/16/19	1,4-Dioxane (1st IS)	0.544	0.463	0.463	14.9	14.9
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
3	CCV 2056 APQ	9/16/19	Biphenyl (1st IS)	0.783	0.725	0.725	7.4	7.4
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420A2a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	25.0	19.662	79	79	0
2-Fluorobiphenyl	↓	19.337	77	77	↓
Terphenyl-d14	↓	15.939	64	64	↓
Phenol-d5	50.0	46.399	93	93	↓
2-Fluorophenol	↓	43.177	86	86	↓
2,4,6-Tribromophenol	↓	49.905	100	100	↓
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 46420A2a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: WG128535 15-2/3

Compound	Spike Added (ug/kg)		Spike Concentration ( )		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol	1300	1300	1000 (1028)	1000 (1025)	79	79	77	78	3	0
N-Nitroso-di-n-propylamine			1000 (1045)	1000 (1058)	80	80	81	80	1	1
4-Chloro-3-methylphenol			1300 (1169)	1100 (1101)	90	90	83	85	8	6
Acenaphthene			970 (968)	900 (904)	74	74	68	70	8	7
Pentachlorophenol			910 (913)	820 (815)	70	70	62	63	12	11
Pyrene			1000 (1016)	940 (942)	78	78	71	72	9	8

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results. 1/30.77
1/30.23

LDC #: 46420A2q

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #1, UU:

Conc. = $\frac{(131207)(40.0)(1.0)(1000)}{(1151237)(1.210)(30.26)(0.93)}$

= 133.88 ug/kg

1.0 / 30.26 % S = 93

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Qualification
	#1	UU	130	133.88	

LDC #: 46420A3a
SDG #: L1941307
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 11/21/19
Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC Chlorinated Pesticides (EPA SW846 Method 8081B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC Instrument Performance Check	A	
III.	Initial calibration/ICV	A / A	%RSD ≤ 20, r² ≥ 0.99 ICV ≤ 20
IV.	Continuing calibration	A	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes IS	A	
VIII.	Matrix spike/Matrix spike duplicates	N	cs
IX.	Laboratory control samples	A	LCS ID
X.	Field duplicates	N	
XI.	Compound quantitation/RL/LOQ/LODs	A	ND Results < RL > MDL
XII.	Target compound identification	A	
XIII.	System Performance	A	
XIV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	WC-A2I COMP	L1941307-01	Soil	09/10/19
2	WC-A2II COMP	L1941307-04	Soil	09/10/19
3	WC-B1I COMP	L1941307-06	Soil	09/10/19
4	WC-B1II COMP	L1941307-08	Soil	09/10/19
5	WC-A1I COMP	L1941307-10	Soil	09/10/19
6	WC-A1II COMP	L1941307-12	Soil	09/10/19
7				
8				
9				
10				
11				

Notes:

	WG1283099-1 Blank						

LDC #: 46420 A3a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: Pesticides (EPA SW 846 Method 8081)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/ECD Instrument performance check				
Was the instrument performance found to be acceptable?	✓			
Were Evaluation mix standards analyzed prior to the initial calibration and at beginning of each 12-hour shift?	✓			
Were endrin and 4,4'-DDT breakdowns ≤ 15% for individual breakdown in the Evaluation mix standards?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?			✓	
Were the RT windows properly established?	✓			
IIIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
IV. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
VI. Field blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes/Internal Standards				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	

Validation Area	Yes	No	NA	Findings/Comments
If any percent recovery (%R) was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
Were internal standard area counts within ± 50% of the average area calculated during calibration?	✓			
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions, dry weight factors, and clean-up activities applicable to level IV validation?	✓			
Were relative percent difference (RPD) of the results between two columns ≤ 40%?	✓			
XII. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XIII. Overall assessment of data	✓			
Overall assessment of data was found to be acceptable.				

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPA SW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Arochlor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 46420A3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: a

METHOD: GC __X_____ HPLC _____

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 5.0ug/L	Recalculated 5.0 ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	8/6/2019	Gamma BHC CLP1	1.334	1.334	1.294	1.294	8.85	8.85
	PEST 20		4,4'DDT CLP1	0.991	0.991	0.994	0.994	6.61	6.61
			Gamma BHC CLP2	1.383	1.383	1.396	1.396	10.14	10.14
			4,4'-DDT CLP2	1.083	1.083	1.082	1.082	7.88	7.88

LDC #: 46420T3a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC Pesticides (EPA SW 846 Method 8081)

Percent difference (%D) = 100 * (N - C)/N

Where: N = Initial Calibration Factor or Nominal Amount (ng)
C = Calibration Factor from Continuing Calibration Standard or Calculated Amount (ng)

Standard ID	Calibration Date/Time	Compound	Average CF/ CCV Conc	Reported CF/Conc CCV	Recalculated CF/Conc CCV	Reported %D	Recalculated %D
CCV	9/16/19	gamma BHC (LLP)	50.0	45.782	45.782	8.4	8.4
PEST 20		4,4'-DDT CVP1	↓	43.318	43.318	3.4	3.4
1453		↓ CVP2		45.648	45.648	8.7	8.7
		CVP3	↓	45.925	45.925	8.2	8.2

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420A3a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: FT
2nd reviewer:

METHOD: GC Pesticides (EPA SW 846 Method 8081)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene	cvp1	50.0	50.836	102	102	0
Tetrachloro-m-xylene	cvp2		52.508	105	105	
Decachlorobiphenyl	cvp1		44.283	89	89	
Decachlorobiphenyl	cvp2		49.526	99	99	

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Notes:

LDC #: 46420A3a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicate Results Verification

Page: 1 of 1
Reviewer: EF
2nd Reviewer: C

METHOD: GC Pesticides (EPA SW 846 Method 8081A)

The percent recoveries (%R) and Relative Percent difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100* (SSC-SC)/SA

Where: SSC = Spiked sample concentration
SA = Spike added
SC = Concentration

RPD = I LCS - LCSD I * 2/(LCS + LCSD)

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: WG1283099-2/3

Compound	Spike Added (ug/kg)		Spiked Sample Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
gamma-BHC	31.8	32.1	~~36.135~~ 36.1	~~34.56~~ 34.6	113	113.6	108	108	5	4
4,4'-DDT	↓	↓	40.5	39.3	127	127	122	122	4	3
			40.493	39.274						

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results. 10/15.70

10/15.58

LDC #: 46420A3q

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: EJ
2nd reviewer: G

METHOD: GC Pesticides (EPA SW 846 Method 8081A)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example: (LCS)

Sample I.D. WG128309 9-2B 4,4'-DDT

Conc. = $\frac{(401.8 \times 10^6)(25.0)(10)}{(1589 \times 10^6)(0.994)(15.70)}$

= 40.51 ug/kg

10/15.70

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Qualification
	LCS	4,4'-DDT	40.5	40.51	

LDC #: 46420A3b
SDG #: L1941307
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 11/21/19
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A A	
II.	Initial calibration/ICV	A/A	%D/ICV ≤ 20
III.	Continuing calibration	A	CCV ≤ 20
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes 1/7	A	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	A	LCS/P
IX.	Field duplicates	N	
X.	Compound quantitation/RL/LOQ/LODs	A	No Result < RL > MDL
XI.	Target compound identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	WC-A2I COMP	L1941307-01	Soil	09/10/19
2	WC-A2II COMP	L1941307-04	Soil	09/10/19
3	WC-B1I COMP	L1941307-06	Soil	09/10/19
4	WC-B1II COMP	L1941307-08	Soil	09/10/19
5	WC-A1I COMP	L1941307-10	Soil	09/10/19
6	WC-A1II COMP	L1941307-12	Soil	09/10/19
7				
8				
9				
10				
11				
12				
13				

Notes:

1	WG1283136-1 Blank						

LDC #: 46420A3b

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: ✓ GC ___ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
X. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

LDC #: 46420A3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC X HPLC _____

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 1000ppb	Recalculated 1000ppb	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	4/9/2019	AR1260-1 CLP1	0.049	0.04927	0.050	0.050450	9.97	9.97
	ICAL15673								
			AR1260-1 CLP2	0.048	0.048	0.049	0.048770	5.96	5.96

LDC #: 46420A3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(ICAL)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV-16 10/8	9/14/9	PCB 1260-1 cpl	2500	2587.712	2587.712	3.5	3.5
			PCB 1260-1 cm2	↓	2663.666	2663.666	6.5	6.5
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 64620A3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: FT
2nd reviewer:

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
TCMX	CVP1	500.0	305.632	61	61	0
TCMX	CVP2	↓	302.811	61	61	↓
DCB	CVP1	↓	346.067	69	69	↓
DCB	CVP2	↓	331.785	66	66	↓

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C`	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 46K20A3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: ✓ GC ___HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: WG1283136-2/3

Compound	Spike Added (ug/kg)		Spike Sample Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)										
Diesel (8015)										
Benzene (8021B)										
Methane (RSK-175)										
2,4-D (8151)										
Dinoseb (8151)										
Naphthalene (8310)										
Anthracene (8310)										
HMX (8330)										
2,4,6-Trinitrotoluene (8330)										
Phorate (8141A)										
Malathion (8141A)										
Formaldehyde (8315A)										
Aroclor 1260	198	199	164	146	83	83	73	73	13	11.5 ✓
			163.7	145.95						

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420A3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: [illegible]
2nd reviewer: [illegible]

METHOD: GC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. WG128316-LCS PCB 1260

Conc. = $\frac{2585.03\ (5)(1)}{(15.79)(5)}$

= 163.7 ug/kg

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration ( )	Qualification
	LCS	PCB 1260	164		
	1260-1 =	$\frac{(359.9 \times 10^6)(250)}{(734.5 \times 10^6)(0.05045)}$ =	2428.1		
		1260-1 = 2428.1			
		2 = 2440.068			
		3 = 2538.682			
		4 = 2886.759			
		5 = 2631.536			
		2585.03			

Site: 33 Centre Avenue
Laboratory: Alpha Analytical, Inc.
Report No.: L1941307
Reviewer: An Le and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date: November 26, 2019

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
WC-A2I COMP	L1941307-01	Metals, Total Cyanide
WC-A2II COMP	L1941307-04	Metals, Total Cyanide
WC-B1I COMP	L1941307-06	Metals, Total Cyanide
WC-B1II COMP	L1941307-08	Metals, Total Cyanide
WC-A1I COMP	L1941307-10	Metals, Total Cyanide
WC-A1II COMP	L1941307-12	Metals, Total Cyanide
WC-B1I COMPMS	L1941307-06MS	Total Cyanide
WC-B1I COMPMSD	L1941307-06MSD	Total Cyanide

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed soil samples were collected on September 10, 2019 and were analyzed for metals by SW-846 methods 6010D/7471B and total cyanide by SW-846 methods 9010C/9012B. The data validation was performed in accordance with USEPA Region 2 *Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program,* SOP HW-3a/c, Revision 1 (September 2016) and the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review,* EPA 540-R-2017-001 (January 2017), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)/Standard Reference Material (SRM) Results
- Serial Dilution Results
- Moisture Content
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met.

CRQL Standard Recoveries

Metals

All criteria were met.

Blank Results

Metals

Analytes were detected below the reporting limits in the laboratory blank samples. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Iron	0.912 mg/L	RL	WC-A2I COMP
	Manganese	0.072 mg/L	RL	WC-A2II COMP
	Sodium	4.11 mg/Kg	RL	WC-B1I COMP
				WC-B1II COMP
				WC-A1I COMP
				WC-A1II COMP
ICB/CCB	Antimony	0.00830 mg/L	0.4150 mg/Kg	WC-A2I COMP
	Arsenic	0.00220 mg/L	0.110 mg/Kg	WC-A2II COMP
	Beryllium	0.000400 mg/L	0.020 mg/Kg	WC-B1I COMP
	Copper	0.00320 mg/L	0.160 mg/Kg	WC-B1II COMP
				WC-A1I COMP
				WC-A1II COMP

Blank Actions for analytes detected below the reporting limit(RL).
If the sample result is < RL, report the result as nondetect (U) at the RL.
If the sample result is > RL or nondetect, no action is required.
Blank Actions for analytes detected above the reporting limit or RL.
If the sample result is < RL and <action level; report the result as nondetect (U) at the RL.
If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.
If the sample result is > action level or nondetect, no action is required.

No samples were qualified since the associated sample results were nondetect or greater than the action level.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Total Cyanide

Analytes were detected below the reporting limits in the laboratory blank sample. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
ICB/CCB	Cyanide	0.22550 mg/L	RL	WC-B1I COMP
				WC-B1II COMP
				WC-A1I COMP
				WC-A1II COMP

Blank Actions for analytes detected below the reporting limit(RL).
If the sample result is < RL, report the result as nondetect (U) at the RL.
If the sample result is > RL or nondetect, no action is required.
Blank Actions for analytes detected above the reporting limit or RL.
If the sample result is < RL and <action level; report the result as nondetect (U) at the RL.

If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.
If the sample result is > action level or nondetect, no action is required.

No samples were qualified since the associated sample results were nondetect.

A field blank was not associated with this sample set. Validation action was not required on this basis.

ICP ICS Results

Metals

Analytes were within control limits in the ICSA and ISCAB analyses.

MS/MSD Results

Metals

MS/MSD analyses were not associated with this sample set. Validation action was not required on this basis.

Total Cyanide

MS/MSD analyses were performed on sample WC-B1I COMP for total cyanide analysis. All criteria were met.

Laboratory Duplicate Results

Laboratory duplicates were not associated with this sample set. Validation action was not required on this basis.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

LCS/SRM Results

All criteria were met.

Serial Dilution Results

Metals

A serial dilution analysis was not associated with this sample set. Validation action was not required on this basis.

Moisture Content

All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the metals analyses. These results were estimated (J) by the laboratory.

No results were reported below the RL and above the MDL in the total cyanide analysis.

Due to high target analyte levels or sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	Metals analyses Reported
WC-A2I COMP WC-A2II COMP WC-B1I COMP WC-B1II COMP WC-A1I COMP WC-A1II COMP	2-fold dilution due to sample matrix for 6010D metals

Dilutions were not required for total cyanide analysis.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 46420A4b
SDG #: L1941307
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 11/21/19
Page: 1 of 1
Reviewer: ATL
2nd Reviewer:

METHOD: Metals (EPA SW 846 Method 6010D/7471B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	A	
IV.	Laboratory Blanks	SW	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/SRM
X.	Field Duplicates	N	
XI.	Sample Result Verification	A	MDL < samples < RL : Jdet
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	WC-A2I COMP (6010D (2x due to matrix interferences)	L1941307-01	Soil	09/10/19
2	WC-A2II COMP	L1941307-04	Soil	09/10/19
3	WC-B1I COMP	L1941307-06	Soil	09/10/19
4	WC-B1II COMP	L1941307-08	Soil	09/10/19
5	WC-A1I COMP	L1941307-10	Soil	09/10/19
6	WC-A1II COMP	L1941307-12	Soil	09/10/19
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

LDC #: 46420A4b

VALIDATION FINDINGS CHECKLIST

Reviewer: ATV
2nd Reviewer:

Method: Metals (EPA SW 846 Method 6010/6020/7000)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. ICP/MS Tune				
Were all isotopes in the tuning solution mass resolution within 0.1 amu?			✓	
Were %RSD of isotopes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial and continuing calibration verification %Rs within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low standard checks within 70-130%			✓	
Were all initial calibration correlation coefficients within limits as specified by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.	✓			
V. ICP Interference Check Sample				
Were ICP interference check samples performed daily?	✓			
Were the AB solution percent recoveries (%R) with the 80-120% QC limits?	✓			
VI. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water.		✓		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.			✓	
Were the MS/MSD or duplicate relative percent differences (RPD) ≤ 20% for waters and ≤ 35% for soil samples? A control limit of +/- RL(+/-2X RL for soil) was used for samples that were ≤ 5X the RL, including when only one of the duplicate sample values were ≤ 5X the RL.			✓	
VII. Laboratory control samples				
Was an LCS anaylzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% QC limits for water samples and laboratory established QC limits for soils?	✓			

Validation Area	Yes	No	NA	Findings/Comments
VIII. Internal Standards (EPA SW 846 Method 6020/EPA 200.8)				
Were all the percent recoveries (%R) within the 30-120% (6020)/60-125% (200.8) of the intensity of the internal standard in the associated initial calibration?			✓	
If the %Rs were outside the criteria, was a reanalysis performed?			✓	
IX. ICP Serial Dilution				
Was an ICP serial dilution analyzed if analyte concentrations were > 50X the MDL (ICP)/>100X the MDL(ICP/MS)?		✓		
Were all percent differences (%Ds) < 10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Sample Result Verification				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XII. Field duplicates				
Field duplicate pairs were identified in this SDG.		✓		
Target analytes were detected in the field duplicates.			✓	
XIII. Field blanks				
Field blanks were identified in this SDG.		✓		
Target analytes were detected in the field blanks.			✓	

LDC #: 46420A4b

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: ATV
2nd reviewer:

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1-26	S	(Al) (Sb) (As) (Ba) (Be) (Cd) (Ca) (Cr) (Co) (Cu) (Fe) (Pb) (Mg) (Mn) (Hg) (Ni) (K) (Se) (Ag) (Na) (Tl) (V) (Zn) Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
Analysis Method		
ICP		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
ICP-MS		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___
GFAA		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___

Comments: Mercury by CVAA if performed

LDC #: 46420A4b

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

Reviewer: ATL
2nd Reviewer:

METHOD: Trace metals (EPA SW 864 Method 6010B/6020/7000)
Soil preparation factor applied: NA
Sample Concentration units, unless otherwise noted: mg/kg
Associated Samples: All

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Action Level									
Fe	0.912												
Mn	0.072												
Na	4.11												
Sb			0.00830	0.4150									
As			0.00220	0.110									
Be			0.000400	0.020									
Cu			0.00320	0.160									

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".
Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

DC #: 46420A4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATL
2nd Reviewer:

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration) 9/17 @ 08:56	Mg	0.4986 mg/L	0.500 mg/L	100	100	Y
	ICP/MS (Initial calibration)						
ICV	CVAA (Initial calibration) 9/14 @ 13:04	Hg	0.003091 mg/L	0.00300 mg/L	103	103	Y
CCV	ICP (Continuing calibration) 9/16 @ 22:28	Ni	0.5353 mg/L	0.500 mg/L	107	107	Y
	ICP/MS (Continuing calibration)						
CCV	CVAA (Continuing calibration) 9/14 @ 16:17	Hg	0.0103 mg/L	0.0100 mg/L	103	103	Y

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 46420A4b

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL
2nd Reviewer: —

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSA	ICP interference check 9/17e 9:17	AL	249.3 mg/L	250 mg/L	100	100	Y
LCS	Laboratory control sample 9/16 e 20:42	V	71.1 mg/kg	83.7 mg/kg	85	85	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 46420A46

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL
2nd reviewer:

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Ba were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation:

$$2.324 \times \frac{50}{1.281} \times 2 \times \frac{1}{0.93} = 195.0760$$
$$\approx 195$$

#	Sample ID	Analyte	Reported Concentration (mg/kg)	Calculated Concentration (mg/kg)	Acceptable (Y/N)
	1	Ba (9/16 @ 22:42)	195	195	Y
	2	Cd (9/16 @ 22:47)	0.270	0.270	↓
	3	Ca (9/16 @ 22:52)	462	464	↓
	4	Cr (9/16 @ 22:56)	29.9	30.0	↓
	5	Co (9/16 @ 23:01)	22.4	22.3	↓
	6	Zn (9/16 @ 23:05)	70.1	70.0	↓
	1->6	Hg	ND	ND	↓

Note:

LDC #: 46420A6
SDG #: L1941307
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 11/21/19
Page: 1 of 1
Reviewer: ATV
2nd Reviewer:

METHOD: (Analyte) Total Cyanide (EPA SW846 Method 9010C/9012B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II	Initial calibration	A	
III.	Calibration verification	A	
IV	Laboratory Blanks	SW	
V	Field blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	A	(7,8)
VII.	Duplicate sample analysis	N	
VIII.	Laboratory control samples	A	LCS/LCSD
IX.	Field duplicates	N	
X.	Sample result verification	A	none < RL
XI	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	WC-A2I COMP	L1941307-01	Soil	09/10/19
2	WC-A2II COMP	L1941307-04	Soil	09/10/19
3	WC-B1I COMP	L1941307-06	Soil	09/10/19
4	WC-B1II COMP	L1941307-08	Soil	09/10/19
5	WC-A1I COMP	L1941307-10	Soil	09/10/19
6	WC-A1II COMP	L1941307-12	Soil	09/10/19
7	WC-B1I COMPMS	L1941307-06MS	Soil	09/10/19
8	WC-B1I COMPMSD	L1941307-06MSD	Soil	09/10/19
9				
10				
11				
12				
13				
14				
15				

Notes:

LDC #: 46420A6

VALIDATION FINDINGS CHECKLIST

Reviewer: ATV
2nd Reviewer:

Method: Inorganics (EPA Method See cover)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
II. Calibration				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial calibration correlation coefficients ≥ 0.995?	✓			
Were all initial and continuing calibration verification %Rs within the 90-110% QC limits?	✓			
Were titrant checks performed as required? (Level IV only)			✓	
Were balance checks performed as required? (Level IV only)			✓	
III. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.	✓			
IV. Matrix spike/Matrix spike duplicates and Duplicates				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water.	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.	✓			
Were the MS/MSD or duplicate relative percent differences (RPD) ≤ 20% for waters and ≤ 35% for soil samples? A control limit of ≤ CRDL(≤ 2X CRDL for soil) was used for samples that were ≤ 5X the CRDL, including when only one of the duplicate sample values were ≤ 5X the CRDL.	✓			
V. Laboratory control samples				
Was an LCS anaylzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% (85-115% for Method 300.0) QC limits?	✓			
VI. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	

Validation Area	Yes	No	NA	Findings/Comments
VII. Sample Result Verification				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
Were detection limits < RL?	✓			
VIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
IX. Field duplicates				
Field duplicate pairs were identified in this SDG.		✓		
Target analytes were detected in the field duplicates.			✓	
X. Field blanks				
Field blanks were identified in this SDG.		✓		
Target analytes were detected in the field blanks.			✓	

LDC #: 46420A6

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: ATL
2nd Reviewer:

METHOD: Inorganics, Method See Cover

Conc. units: mg/kg **Associated Samples:** 3 to 6

Analyte	Blank ID	Blank ID	Blank Action Limit									
	PB	ICB/CCB (mg/L)		No Qualifiers								
CN		0.22550										

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC #: 46420A6

Validation Findings Worksheet
Initial and Continuing Calibration Calculation Verification

Page: 1 of 1
Reviewer: ATL
2nd Reviewer:

Method: Inorganics, Method See cover

The correlation coefficient (r) for the calibration of CN was recalculated. Calibration date: 09/12/19

An initial or continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found X 100 / True

Where, Found = concentration of each analyte measured in the analysis of the ICV or CCV solution

True = concentration of each analyte in the ICV or CCV source

Type of analysis	Analyte	Standard	Conc. (mg/l)	Area	Recalculated r or r^2	Reported r or r^2	Acceptable (Y/N)
Initial calibration	CN	s1	0	0.00099	*0.999949*	0.999990	Y
		s2	0.2	0.01053			
		s3	0.5	0.02181			
		s4	1	0.04329			
		s5	2	0.08411			
		s6	5	0.20078			
		s7	10	0.41072			
		s8	25	0.99928			
CCV (9/11) Calibration verification	CN	FOUND 0.1006	TRUE 0.1000		101	101	Y
CCV (9/12) Calibration verification	CN	0.0998	0.1000		100	100	Y
CCV (9/12) Calibration verification	CN	0.0991	0.1000		99	99	Y

Comments: Refer to Calibration Verification findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420A6

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATV
2nd Reviewer:

METHOD: Inorganics, Method See cover

Percent recoveries (%R) for a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

Sample ID	Type of Analysis	Element	mg/kg Found / S (units)	mg/kg True / D (units)	Recalculated %R / RPD	Reported %R / RPD	Acceptable (Y/N)
LCS	Laboratory control sample WG128 2897-2	CN	138.79079	150	93	93	Y
7	Matrix spike sample	CN	(SSR-SR) 10.68	11	97	100	Y
718	Duplicate sample	CN	9.31	10.68	14	10	Y

Comments: _____

LDC #: 46420A6

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATV
2nd reviewer:

METHOD: Inorganics, Method See cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Have results been reported and calculated correctly?
Y N N/A Are results within the calibrated range of the instruments?
Y N N/A Are all detection limits below the CRQL?

Compound (analyte) results for CN reported with a positive detect were recalculated and verified using the following equation:

Concentration =

Recalculation: #2

$$\frac{0.1051\text{D}}{1.03790} \times \frac{1}{0.86} = 0.1222 < 0.2 \Rightarrow \text{ND}$$

#	Sample ID	Analyte	Reported Concentration (mg/kg)	Calculated Concentration (mg/kg)	Acceptable (Y/N)
	1→6	CN	ND	ND	Y

RECALC.6

Hugenot Street Development - LDC# 46420A

SDG: L1941307

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A1I COMP	L1941307-10	BARIUM, TOTAL	9/16/2019	159	Y	Y				0.855	0.149	mg/kg
WC-A1I COMP	L1941307-10	VANADIUM, TOTAL	9/16/2019	50.7	Y	Y				0.855	0.173	mg/kg
WC-A1I COMP	L1941307-10	POTASSIUM, TOTAL	9/16/2019	9400	Y	Y				214	12.3	mg/kg
WC-A1I COMP	L1941307-10	NICKEL, TOTAL	9/16/2019	36.8	Y	Y				2.14	0.207	mg/kg
WC-A1I COMP	L1941307-10	MANGANESE, TOTAL	9/16/2019	536	Y	Y				0.855	0.136	mg/kg
WC-A1I COMP	L1941307-10	LEAD, TOTAL	9/16/2019	6.52	Y	Y				4.27	0.229	mg/kg
WC-A1I COMP	L1941307-10	IRON, TOTAL	9/16/2019	27700	Y	Y				4.27	0.772	mg/kg
WC-A1I COMP	L1941307-10	ZINC, TOTAL	9/16/2019	79.4	Y	Y				4.27	0.250	mg/kg
WC-A1I COMP	L1941307-10	CHROMIUM, TOTAL	9/16/2019	45.0	Y	Y				0.855	0.082	mg/kg
WC-A1I COMP	L1941307-10	COBALT, TOTAL	9/16/2019	22.4	Y	Y				1.71	0.142	mg/kg
WC-A1I COMP	L1941307-10	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.27	0.325	mg/kg
WC-A1I COMP	L1941307-10	BERYLLIUM, TOTAL	9/16/2019		Y	N	U		U	0.427	0.028	mg/kg
WC-A1I COMP	L1941307-10	SELENIUM, TOTAL	9/16/2019		Y	N	U		U	1.71	0.220	mg/kg
WC-A1I COMP	L1941307-10	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.855	0.242	mg/kg
WC-A1I COMP	L1941307-10	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.71	0.269	mg/kg
WC-A1I COMP	L1941307-10	SODIUM, TOTAL	9/16/2019	169	Y	Y	J		J	171	2.69	mg/kg
WC-A1I COMP	L1941307-10	CADMIUM, TOTAL	9/16/2019	0.282	Y	Y	J		J	0.855	0.084	mg/kg
WC-A1I COMP	L1941307-10	COPPER, TOTAL	9/16/2019	37.5	Y	Y				0.855	0.220	mg/kg
WC-A1I COMP	L1941307-10	CALCIUM, TOTAL	9/16/2019	2090	Y	Y				8.55	2.99	mg/kg
WC-A1I COMP	L1941307-10	MAGNESIUM, TOTAL	9/17/2019	8490	Y	Y				8.55	1.32	mg/kg
WC-A1I COMP	L1941307-10	ARSENIC, TOTAL	9/17/2019		Y	N	U		U	0.855	0.178	mg/kg
WC-A1I COMP	L1941307-10	ALUMINUM, TOTAL	9/17/2019	17500	Y	Y				8.55	2.31	mg/kg
WC-A1II COMP	L1941307-12	MANGANESE, TOTAL	9/16/2019	526	Y	Y				0.866	0.138	mg/kg

SDG: L1941307

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A1II COMP	L1941307-12	ZINC, TOTAL	9/16/2019	70.1	Y	Y				4.33	0.254	mg/kg
WC-A1II COMP	L1941307-12	VANADIUM, TOTAL	9/16/2019	48.2	Y	Y				0.866	0.176	mg/kg
WC-A1II COMP	L1941307-12	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.33	0.329	mg/kg
WC-A1II COMP	L1941307-12	BERYLLIUM, TOTAL	9/16/2019		Y	N	U		U	0.433	0.029	mg/kg
WC-A1II COMP	L1941307-12	SELENIUM, TOTAL	9/16/2019		Y	N	U		U	1.73	0.223	mg/kg
WC-A1II COMP	L1941307-12	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.866	0.245	mg/kg
WC-A1II COMP	L1941307-12	SODIUM, TOTAL	9/16/2019	431	Y	Y				173	2.73	mg/kg
WC-A1II COMP	L1941307-12	NICKEL, TOTAL	9/16/2019	129	Y	Y				2.16	0.210	mg/kg
WC-A1II COMP	L1941307-12	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.73	0.273	mg/kg
WC-A1II COMP	L1941307-12	CADMIUM, TOTAL	9/16/2019	0.364	Y	Y	J		J	0.866	0.085	mg/kg
WC-A1II COMP	L1941307-12	CHROMIUM, TOTAL	9/16/2019	61.1	Y	Y				0.866	0.083	mg/kg
WC-A1II COMP	L1941307-12	POTASSIUM, TOTAL	9/16/2019	9360	Y	Y				216	12.5	mg/kg
WC-A1II COMP	L1941307-12	LEAD, TOTAL	9/16/2019	7.12	Y	Y				4.33	0.232	mg/kg
WC-A1II COMP	L1941307-12	CALCIUM, TOTAL	9/16/2019	1030	Y	Y				8.66	3.03	mg/kg
WC-A1II COMP	L1941307-12	COBALT, TOTAL	9/16/2019	19.6	Y	Y				1.73	0.144	mg/kg
WC-A1II COMP	L1941307-12	COPPER, TOTAL	9/16/2019	53.6	Y	Y				0.866	0.223	mg/kg
WC-A1II COMP	L1941307-12	IRON, TOTAL	9/16/2019	29400	Y	Y				4.33	0.782	mg/kg
WC-A1II COMP	L1941307-12	BARIUM, TOTAL	9/16/2019	176	Y	Y				0.866	0.151	mg/kg
WC-A1II COMP	L1941307-12	ARSENIC, TOTAL	9/17/2019		Y	N	U		U	0.866	0.180	mg/kg
WC-A1II COMP	L1941307-12	ALUMINUM, TOTAL	9/17/2019	16000	Y	Y				8.66	2.34	mg/kg
WC-A1II COMP	L1941307-12	MAGNESIUM, TOTAL	9/17/2019	8430	Y	Y				8.66	1.33	mg/kg
WC-A2I COMP	L1941307-01	POTASSIUM, TOTAL	9/16/2019	10900	Y	Y				210	12.1	mg/kg
WC-A2I COMP	L1941307-01	SODIUM, TOTAL	9/16/2019	279	Y	Y				168	2.64	mg/kg
WC-A2I COMP	L1941307-01	COBALT, TOTAL	9/16/2019	21.6	Y	Y				1.68	0.139	mg/kg
WC-A2I COMP	L1941307-01	NICKEL, TOTAL	9/16/2019	37.6	Y	Y				2.10	0.203	mg/kg

SDG: L1941307

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A2I COMP	L1941307-01	VANADIUM, TOTAL	9/16/2019	62.0	Y	Y				0.839	0.170	mg/kg
WC-A2I COMP	L1941307-01	MANGANESE, TOTAL	9/16/2019	585	Y	Y				0.839	0.133	mg/kg
WC-A2I COMP	L1941307-01	IRON, TOTAL	9/16/2019	32200	Y	Y				4.20	0.758	mg/kg
WC-A2I COMP	L1941307-01	CHROMIUM, TOTAL	9/16/2019	36.8	Y	Y				0.839	0.081	mg/kg
WC-A2I COMP	L1941307-01	CALCIUM, TOTAL	9/16/2019	4880	Y	Y				8.39	2.94	mg/kg
WC-A2I COMP	L1941307-01	BARIUM, TOTAL	9/16/2019	195	Y	Y				0.839	0.146	mg/kg
WC-A2I COMP	L1941307-01	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.20	0.319	mg/kg
WC-A2I COMP	L1941307-01	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.68	0.264	mg/kg
WC-A2I COMP	L1941307-01	BERYLLIUM, TOTAL	9/16/2019		Y	N	U		U	0.420	0.028	mg/kg
WC-A2I COMP	L1941307-01	LEAD, TOTAL	9/16/2019	8.89	Y	Y				4.20	0.225	mg/kg
WC-A2I COMP	L1941307-01	ZINC, TOTAL	9/16/2019	118	Y	Y				4.20	0.246	mg/kg
WC-A2I COMP	L1941307-01	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.839	0.238	mg/kg
WC-A2I COMP	L1941307-01	COPPER, TOTAL	9/16/2019	83.2	Y	Y				0.839	0.216	mg/kg
WC-A2I COMP	L1941307-01	CADMIUM, TOTAL	9/16/2019	0.462	Y	Y	J		J	0.839	0.082	mg/kg
WC-A2I COMP	L1941307-01	SELENIUM, TOTAL	9/16/2019	0.352	Y	Y	J		J	1.68	0.216	mg/kg
WC-A2I COMP	L1941307-01	ALUMINUM, TOTAL	9/17/2019	17300	Y	Y				8.39	2.27	mg/kg
WC-A2I COMP	L1941307-01	MAGNESIUM, TOTAL	9/17/2019	8360	Y	Y				8.39	1.29	mg/kg
WC-A2I COMP	L1941307-01	ARSENIC, TOTAL	9/17/2019	0.386	Y	Y	J		J	0.839	0.174	mg/kg
WC-A2II COMP	L1941307-04	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.900	0.255	mg/kg
WC-A2II COMP	L1941307-04	LEAD, TOTAL	9/16/2019	5.90	Y	Y				4.50	0.241	mg/kg
WC-A2II COMP	L1941307-04	IRON, TOTAL	9/16/2019	22500	Y	Y				4.50	0.813	mg/kg
WC-A2II COMP	L1941307-04	COPPER, TOTAL	9/16/2019	36.7	Y	Y				0.900	0.232	mg/kg
WC-A2II COMP	L1941307-04	COBALT, TOTAL	9/16/2019	13.6	Y	Y				1.80	0.149	mg/kg
WC-A2II COMP	L1941307-04	CHROMIUM, TOTAL	9/16/2019	49.7	Y	Y				0.900	0.086	mg/kg
WC-A2II COMP	L1941307-04	CALCIUM, TOTAL	9/16/2019	863	Y	Y				9.00	3.15	mg/kg

SDG: L1941307

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A2II COMP	L1941307-04	MANGANESE, TOTAL	9/16/2019	296	Y	Y				0.900	0.143	mg/kg
WC-A2II COMP	L1941307-04	BERYLLIUM, TOTAL	9/16/2019		Y	N	U		U	0.450	0.030	mg/kg
WC-A2II COMP	L1941307-04	SELENIUM, TOTAL	9/16/2019		Y	N	U		U	1.80	0.232	mg/kg
WC-A2II COMP	L1941307-04	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.50	0.342	mg/kg
WC-A2II COMP	L1941307-04	CADMIUM, TOTAL	9/16/2019	0.270	Y	Y	J		J	0.900	0.088	mg/kg
WC-A2II COMP	L1941307-04	BARIUM, TOTAL	9/16/2019	162	Y	Y				0.900	0.156	mg/kg
WC-A2II COMP	L1941307-04	POTASSIUM, TOTAL	9/16/2019	8300	Y	Y				225	13.0	mg/kg
WC-A2II COMP	L1941307-04	SODIUM, TOTAL	9/16/2019	276	Y	Y				180	2.83	mg/kg
WC-A2II COMP	L1941307-04	VANADIUM, TOTAL	9/16/2019	42.6	Y	Y				0.900	0.183	mg/kg
WC-A2II COMP	L1941307-04	ZINC, TOTAL	9/16/2019	59.8	Y	Y				4.50	0.264	mg/kg
WC-A2II COMP	L1941307-04	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.80	0.283	mg/kg
WC-A2II COMP	L1941307-04	NICKEL, TOTAL	9/16/2019	62.5	Y	Y				2.25	0.218	mg/kg
WC-A2II COMP	L1941307-04	MAGNESIUM, TOTAL	9/17/2019	6340	Y	Y				9.00	1.38	mg/kg
WC-A2II COMP	L1941307-04	ARSENIC, TOTAL	9/17/2019		Y	N	U		U	0.900	0.187	mg/kg
WC-A2II COMP	L1941307-04	ALUMINUM, TOTAL	9/17/2019	12800	Y	Y				9.00	2.43	mg/kg
WC-B1I COMP	L1941307-06	LEAD, TOTAL	9/16/2019	4.60	Y	Y				4.27	0.229	mg/kg
WC-B1I COMP	L1941307-06	ZINC, TOTAL	9/16/2019	27.3	Y	Y				4.27	0.250	mg/kg
WC-B1I COMP	L1941307-06	CHROMIUM, TOTAL	9/16/2019	20.1	Y	Y				0.855	0.082	mg/kg
WC-B1I COMP	L1941307-06	COBALT, TOTAL	9/16/2019	7.99	Y	Y				1.71	0.142	mg/kg
WC-B1I COMP	L1941307-06	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.71	0.269	mg/kg
WC-B1I COMP	L1941307-06	COPPER, TOTAL	9/16/2019	20.6	Y	Y				0.855	0.220	mg/kg
WC-B1I COMP	L1941307-06	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.855	0.242	mg/kg
WC-B1I COMP	L1941307-06	SELENIUM, TOTAL	9/16/2019		Y	N	U		U	1.71	0.220	mg/kg
WC-B1I COMP	L1941307-06	BERYLLIUM, TOTAL	9/16/2019		Y	N	U		U	0.427	0.028	mg/kg
WC-B1I COMP	L1941307-06	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.27	0.325	mg/kg

SDG: L1941307

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B1I COMP	L1941307-06	POTASSIUM, TOTAL	9/16/2019	2270	Y	Y				214	12.3	mg/kg
WC-B1I COMP	L1941307-06	MANGANESE, TOTAL	9/16/2019	374	Y	Y				0.855	0.136	mg/kg
WC-B1I COMP	L1941307-06	CADMIUM, TOTAL	9/16/2019	0.196	Y	Y	J		J	0.855	0.084	mg/kg
WC-B1I COMP	L1941307-06	IRON, TOTAL	9/16/2019	13800	Y	Y				4.27	0.772	mg/kg
WC-B1I COMP	L1941307-06	NICKEL, TOTAL	9/16/2019	60.1	Y	Y				2.14	0.207	mg/kg
WC-B1I COMP	L1941307-06	CALCIUM, TOTAL	9/16/2019	462	Y	Y				8.55	2.99	mg/kg
WC-B1I COMP	L1941307-06	BARIUM, TOTAL	9/16/2019	63.4	Y	Y				0.855	0.149	mg/kg
WC-B1I COMP	L1941307-06	SODIUM, TOTAL	9/16/2019	404	Y	Y				171	2.69	mg/kg
WC-B1I COMP	L1941307-06	VANADIUM, TOTAL	9/16/2019	23.3	Y	Y				0.855	0.174	mg/kg
WC-B1I COMP	L1941307-06	ARSENIC, TOTAL	9/17/2019	1.08	Y	Y				0.855	0.178	mg/kg
WC-B1I COMP	L1941307-06	MAGNESIUM, TOTAL	9/17/2019	2220	Y	Y				8.55	1.32	mg/kg
WC-B1I COMP	L1941307-06	ALUMINUM, TOTAL	9/17/2019	9180	Y	Y				8.55	2.31	mg/kg
WC-B1II COMP	L1941307-08	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.21	0.320	mg/kg
WC-B1II COMP	L1941307-08	LEAD, TOTAL	9/16/2019	3.52	Y	Y	J		J	4.21	0.226	mg/kg
WC-B1II COMP	L1941307-08	CALCIUM, TOTAL	9/16/2019	479	Y	Y				8.42	2.95	mg/kg
WC-B1II COMP	L1941307-08	CHROMIUM, TOTAL	9/16/2019	29.9	Y	Y				0.842	0.081	mg/kg
WC-B1II COMP	L1941307-08	COPPER, TOTAL	9/16/2019	16.8	Y	Y				0.842	0.217	mg/kg
WC-B1II COMP	L1941307-08	SELENIUM, TOTAL	9/16/2019		Y	N	U		U	1.68	0.217	mg/kg
WC-B1II COMP	L1941307-08	MANGANESE, TOTAL	9/16/2019	507	Y	Y				0.842	0.134	mg/kg
WC-B1II COMP	L1941307-08	COBALT, TOTAL	9/16/2019	8.08	Y	Y				1.68	0.140	mg/kg
WC-B1II COMP	L1941307-08	CADMIUM, TOTAL	9/16/2019	0.160	Y	Y	J		J	0.842	0.083	mg/kg
WC-B1II COMP	L1941307-08	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.68	0.265	mg/kg
WC-B1II COMP	L1941307-08	ZINC, TOTAL	9/16/2019	20.7	Y	Y				4.21	0.247	mg/kg
WC-B1II COMP	L1941307-08	NICKEL, TOTAL	9/16/2019	47.8	Y	Y				2.11	0.204	mg/kg
WC-B1II COMP	L1941307-08	VANADIUM, TOTAL	9/16/2019	20.9	Y	Y				0.842	0.171	mg/kg

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B1II COMP	L1941307-08	POTASSIUM, TOTAL	9/16/2019	1930	Y	Y				211	12.1	mg/kg
WC-B1II COMP	L1941307-08	SODIUM, TOTAL	9/16/2019	248	Y	Y				168	2.65	mg/kg
WC-B1II COMP	L1941307-08	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.842	0.238	mg/kg
WC-B1II COMP	L1941307-08	IRON, TOTAL	9/16/2019	14900	Y	Y				4.21	0.761	mg/kg
WC-B1II COMP	L1941307-08	BARIUM, TOTAL	9/16/2019	57.2	Y	Y				0.842	0.146	mg/kg
WC-B1II COMP	L1941307-08	BERYLLIUM, TOTAL	9/16/2019	0.059	Y	Y	J		J	0.421	0.028	mg/kg
WC-B1II COMP	L1941307-08	ALUMINUM, TOTAL	9/17/2019	7780	Y	Y				8.42	2.27	mg/kg
WC-B1II COMP	L1941307-08	ARSENIC, TOTAL	9/17/2019	0.800	Y	Y	J		J	0.842	0.175	mg/kg
WC-B1II COMP	L1941307-08	MAGNESIUM, TOTAL	9/17/2019	1800	Y	Y				8.42	1.30	mg/kg

Analytical Method A2540G

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A1I COMP	L1941307-10	SOLIDS, TOTAL	9/11/2019	90.7	Y	Y				0.100	0.100	percent
WC-A1I GRAB	L1941307-09	SOLIDS, TOTAL	9/11/2019	91.6	Y	Y				0.100	0.100	percent
WC-A1II COMP	L1941307-12	SOLIDS, TOTAL	9/11/2019	89.8	Y	Y				0.100	0.100	percent
WC-A1II GRAB	L1941307-11	SOLIDS, TOTAL	9/11/2019	89.7	Y	Y				0.100	0.100	percent
WC-A2I COMP	L1941307-01	SOLIDS, TOTAL	9/11/2019	93.0	Y	Y				0.100	0.100	percent
WC-A2I GRAB	L1941307-02	SOLIDS, TOTAL	9/11/2019	93.8	Y	Y				0.100	0.100	percent
WC-A2II COMP	L1941307-04	SOLIDS, TOTAL	9/11/2019	86.2	Y	Y				0.100	0.100	percent
WC-A2II GRAB	L1941307-03	SOLIDS, TOTAL	9/11/2019	88.7	Y	Y				0.100	0.100	percent
WC-B1I COMP	L1941307-06	SOLIDS, TOTAL	9/11/2019	91.4	Y	Y				0.100	0.100	percent
WC-B1I GRAB	L1941307-05	SOLIDS, TOTAL	9/11/2019	84.5	Y	Y				0.100	0.100	percent
WC-B1II COMP	L1941307-08	SOLIDS, TOTAL	9/11/2019	91.1	Y	Y				0.100	0.100	percent
WC-B1II GRAB	L1941307-07	SOLIDS, TOTAL	9/11/2019	91.3	Y	Y				0.100	0.100	percent

Analytical Method	SW7471B											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
WC-A1I COMP	L1941307-10	MERCURY, TOTAL	9/14/2019		Y	N	U		U	0.069	0.045	mg/kg
WC-A1II COMP	L1941307-12	MERCURY, TOTAL	9/14/2019		Y	N	U		U	0.070	0.046	mg/kg
WC-A2I COMP	L1941307-01	MERCURY, TOTAL	9/14/2019		Y	N	U		U	0.069	0.045	mg/kg
WC-A2II COMP	L1941307-04	MERCURY, TOTAL	9/14/2019		Y	N	U		U	0.073	0.048	mg/kg
WC-B1I COMP	L1941307-06	MERCURY, TOTAL	9/14/2019		Y	N	U		U	0.069	0.045	mg/kg
WC-B1II COMP	L1941307-08	MERCURY, TOTAL	9/14/2019		Y	N	U		U	0.069	0.045	mg/kg

Analytical Method	SW8081B											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
WC-A1I COMP	L1941307-10	DIELDRIN	9/16/2019		Y	N	U		U	1.06	0.529	ug/kg
WC-A1I COMP	L1941307-10	TRANS-CHLORDANE	9/16/2019		Y	N	U		U	2.11	0.558	ug/kg
WC-A1I COMP	L1941307-10	BETA-BHC	9/16/2019		Y	N	U		U	1.69	0.642	ug/kg
WC-A1I COMP	L1941307-10	ALPHA-BHC	9/16/2019		Y	N	U		U	0.705	0.200	ug/kg
WC-A1I COMP	L1941307-10	ALDRIN	9/16/2019		Y	N	U		U	1.69	0.596	ug/kg
WC-A1I COMP	L1941307-10	4,4'-DDT	9/16/2019		Y	N	U		U	3.17	1.36	ug/kg
WC-A1I COMP	L1941307-10	4,4'-DDE	9/16/2019		Y	N	U		U	1.69	0.391	ug/kg
WC-A1I COMP	L1941307-10	4,4'-DDD	9/16/2019		Y	N	U		U	1.69	0.603	ug/kg
WC-A1I COMP	L1941307-10	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.69	0.400	ug/kg
WC-A1I COMP	L1941307-10	CHLORDANE	9/16/2019		Y	N	U		U	13.7	5.60	ug/kg
WC-A1I COMP	L1941307-10	METHOXYCHLOR	9/16/2019		Y	N	U		U	3.17	0.987	ug/kg
WC-A1I COMP	L1941307-10	DELTA-BHC	9/16/2019		Y	N	U		U	1.69	0.331	ug/kg
WC-A1I COMP	L1941307-10	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.69	0.565	ug/kg
WC-A1I COMP	L1941307-10	CIS-CHLORDANE	9/16/2019		Y	N	U		U	2.11	0.589	ug/kg
WC-A1I COMP	L1941307-10	TOXAPHENE	9/16/2019		Y	N	U		U	31.7	8.88	ug/kg
WC-A1I COMP	L1941307-10	LINDANE	9/16/2019		Y	N	U		U	0.705	0.315	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A1I COMP	L1941307-10	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.17	0.952	ug/kg
WC-A1I COMP	L1941307-10	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.705	0.336	ug/kg
WC-A1I COMP	L1941307-10	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.69	0.436	ug/kg
WC-A1I COMP	L1941307-10	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.11	0.740	ug/kg
WC-A1I COMP	L1941307-10	ENDRIN	9/16/2019		Y	N	U		U	0.705	0.289	ug/kg
WC-A1I COMP	L1941307-10	HEPTACHLOR	9/16/2019		Y	N	U		U	0.846	0.379	ug/kg
WC-A1II COMP	L1941307-12	ALPHA-BHC	9/16/2019		Y	N	U		U	0.699	0.198	ug/kg
WC-A1II COMP	L1941307-12	ALDRIN	9/16/2019		Y	N	U		U	1.68	0.590	ug/kg
WC-A1II COMP	L1941307-12	4,4'-DDT	9/16/2019		Y	N	U		U	3.14	1.35	ug/kg
WC-A1II COMP	L1941307-12	CIS-CHLORDANE	9/16/2019		Y	N	U		U	2.10	0.584	ug/kg
WC-A1II COMP	L1941307-12	4,4'-DDE	9/16/2019		Y	N	U		U	1.68	0.388	ug/kg
WC-A1II COMP	L1941307-12	METHOXYCHLOR	9/16/2019		Y	N	U		U	3.14	0.978	ug/kg
WC-A1II COMP	L1941307-12	4,4'-DDD	9/16/2019		Y	N	U		U	1.68	0.598	ug/kg
WC-A1II COMP	L1941307-12	LINDANE	9/16/2019		Y	N	U		U	0.699	0.312	ug/kg
WC-A1II COMP	L1941307-12	BETA-BHC	9/16/2019		Y	N	U		U	1.68	0.636	ug/kg
WC-A1II COMP	L1941307-12	ENDRIN	9/16/2019		Y	N	U		U	0.699	0.286	ug/kg
WC-A1II COMP	L1941307-12	TOXAPHENE	9/16/2019		Y	N	U		U	31.4	8.80	ug/kg
WC-A1II COMP	L1941307-12	CHLORDANE	9/16/2019		Y	N	U		U	13.6	5.55	ug/kg
WC-A1II COMP	L1941307-12	DELTA-BHC	9/16/2019		Y	N	U		U	1.68	0.328	ug/kg
WC-A1II COMP	L1941307-12	DIELDRIN	9/16/2019		Y	N	U		U	1.05	0.524	ug/kg
WC-A1II COMP	L1941307-12	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.68	0.396	ug/kg
WC-A1II COMP	L1941307-12	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.699	0.332	ug/kg
WC-A1II COMP	L1941307-12	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.14	0.943	ug/kg
WC-A1II COMP	L1941307-12	HEPTACHLOR	9/16/2019		Y	N	U		U	0.838	0.376	ug/kg
WC-A1II COMP	L1941307-12	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.68	0.432	ug/kg

SDG: L1941307

Analytical Method	SW8081B											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A1II COMP	L1941307-12	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.10	0.734	ug/kg
WC-A1II COMP	L1941307-12	TRANS-CHLORDANE	9/16/2019		Y	N	U		U	2.10	0.553	ug/kg
WC-A1II COMP	L1941307-12	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.68	0.560	ug/kg
WC-A2I COMP	L1941307-01	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.08	0.924	ug/kg
WC-A2I COMP	L1941307-01	CIS-CHLORDANE	9/16/2019		Y	N	U		U	2.05	0.572	ug/kg
WC-A2I COMP	L1941307-01	TRANS-CHLORDANE	9/16/2019		Y	N	U		U	2.05	0.542	ug/kg
WC-A2I COMP	L1941307-01	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.64	0.388	ug/kg
WC-A2I COMP	L1941307-01	DIELDRIN	9/16/2019		Y	N	U		U	1.03	0.514	ug/kg
WC-A2I COMP	L1941307-01	DELTA-BHC	9/16/2019		Y	N	U		U	1.64	0.322	ug/kg
WC-A2I COMP	L1941307-01	CHLORDANE	9/16/2019		Y	N	U		U	13.4	5.44	ug/kg
WC-A2I COMP	L1941307-01	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.64	0.549	ug/kg
WC-A2I COMP	L1941307-01	TOXAPHENE	9/16/2019		Y	N	U		U	30.8	8.63	ug/kg
WC-A2I COMP	L1941307-01	BETA-BHC	9/16/2019		Y	N	U		U	1.64	0.623	ug/kg
WC-A2I COMP	L1941307-01	LINDANE	9/16/2019		Y	N	U		U	0.685	0.306	ug/kg
WC-A2I COMP	L1941307-01	ALPHA-BHC	9/16/2019		Y	N	U		U	0.685	0.194	ug/kg
WC-A2I COMP	L1941307-01	HEPTACHLOR	9/16/2019		Y	N	U		U	0.822	0.368	ug/kg
WC-A2I COMP	L1941307-01	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.64	0.423	ug/kg
WC-A2I COMP	L1941307-01	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.05	0.719	ug/kg
WC-A2I COMP	L1941307-01	ENDRIN	9/16/2019		Y	N	U		U	0.685	0.281	ug/kg
WC-A2I COMP	L1941307-01	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.685	0.326	ug/kg
WC-A2I COMP	L1941307-01	4,4'-DDD	9/16/2019		Y	N	U		U	1.64	0.586	ug/kg
WC-A2I COMP	L1941307-01	4,4'-DDE	9/16/2019		Y	N	U		U	1.64	0.380	ug/kg
WC-A2I COMP	L1941307-01	4,4'-DDT	9/16/2019		Y	N	U		U	3.08	1.32	ug/kg
WC-A2I COMP	L1941307-01	ALDRIN	9/16/2019		Y	N	U		U	1.64	0.579	ug/kg
WC-A2I COMP	L1941307-01	METHOXYCHLOR	9/16/2019		Y	N	U		U	3.08	0.959	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A2II COMP	L1941307-04	DELTA-BHC	9/16/2019		Y	N	U		U	1.77	0.346	ug/kg
WC-A2II COMP	L1941307-04	ENDRIN	9/16/2019		Y	N	U		U	0.736	0.302	ug/kg
WC-A2II COMP	L1941307-04	4,4'-DDD	9/16/2019		Y	N	U		U	1.77	0.630	ug/kg
WC-A2II COMP	L1941307-04	4,4'-DDE	9/16/2019		Y	N	U		U	1.77	0.408	ug/kg
WC-A2II COMP	L1941307-04	4,4'-DDT	9/16/2019		Y	N	U		U	3.31	1.42	ug/kg
WC-A2II COMP	L1941307-04	ALDRIN	9/16/2019		Y	N	U		U	1.77	0.622	ug/kg
WC-A2II COMP	L1941307-04	ALPHA-BHC	9/16/2019		Y	N	U		U	0.736	0.209	ug/kg
WC-A2II COMP	L1941307-04	BETA-BHC	9/16/2019		Y	N	U		U	1.77	0.670	ug/kg
WC-A2II COMP	L1941307-04	CHLORDANE	9/16/2019		Y	N	U		U	14.4	5.85	ug/kg
WC-A2II COMP	L1941307-04	DIELDRIN	9/16/2019		Y	N	U		U	1.10	0.552	ug/kg
WC-A2II COMP	L1941307-04	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.77	0.417	ug/kg
WC-A2II COMP	L1941307-04	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.736	0.350	ug/kg
WC-A2II COMP	L1941307-04	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.21	0.773	ug/kg
WC-A2II COMP	L1941307-04	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.77	0.455	ug/kg
WC-A2II COMP	L1941307-04	HEPTACHLOR	9/16/2019		Y	N	U		U	0.883	0.396	ug/kg
WC-A2II COMP	L1941307-04	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.31	0.994	ug/kg
WC-A2II COMP	L1941307-04	LINDANE	9/16/2019		Y	N	U		U	0.736	0.329	ug/kg
WC-A2II COMP	L1941307-04	METHOXYCHLOR	9/16/2019		Y	N	U		U	3.31	1.03	ug/kg
WC-A2II COMP	L1941307-04	TOXAPHENE	9/16/2019		Y	N	U		U	33.1	9.27	ug/kg
WC-A2II COMP	L1941307-04	CIS-CHLORDANE	9/16/2019		Y	N	U		U	2.21	0.615	ug/kg
WC-A2II COMP	L1941307-04	TRANS-CHLORDANE	9/16/2019		Y	N	U		U	2.21	0.583	ug/kg
WC-A2II COMP	L1941307-04	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.77	0.590	ug/kg
WC-B1I COMP	L1941307-06	TRANS-CHLORDANE	9/16/2019		Y	N	U		U	2.09	0.552	ug/kg
WC-B1I COMP	L1941307-06	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.14	0.941	ug/kg
WC-B1I COMP	L1941307-06	CHLORDANE	9/16/2019		Y	N	U		U	13.6	5.54	ug/kg

SDG: L1941307

Analytical Method	SW8081B											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B1I COMP	L1941307-06	LINDANE	9/16/2019		Y	N	U		U	0.697	0.312	ug/kg
WC-B1I COMP	L1941307-06	HEPTACHLOR	9/16/2019		Y	N	U		U	0.836	0.375	ug/kg
WC-B1I COMP	L1941307-06	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.67	0.431	ug/kg
WC-B1I COMP	L1941307-06	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.09	0.732	ug/kg
WC-B1I COMP	L1941307-06	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.697	0.332	ug/kg
WC-B1I COMP	L1941307-06	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.67	0.395	ug/kg
WC-B1I COMP	L1941307-06	METHOXYCHLOR	9/16/2019		Y	N	U		U	3.14	0.976	ug/kg
WC-B1I COMP	L1941307-06	DELTA-BHC	9/16/2019		Y	N	U		U	1.67	0.328	ug/kg
WC-B1I COMP	L1941307-06	ENDRIN	9/16/2019		Y	N	U		U	0.697	0.286	ug/kg
WC-B1I COMP	L1941307-06	BETA-BHC	9/16/2019		Y	N	U		U	1.67	0.634	ug/kg
WC-B1I COMP	L1941307-06	ALPHA-BHC	9/16/2019		Y	N	U		U	0.697	0.198	ug/kg
WC-B1I COMP	L1941307-06	ALDRIN	9/16/2019		Y	N	U		U	1.67	0.589	ug/kg
WC-B1I COMP	L1941307-06	4,4'-DDT	9/16/2019		Y	N	U		U	3.14	1.34	ug/kg
WC-B1I COMP	L1941307-06	4,4'-DDE	9/16/2019		Y	N	U		U	1.67	0.387	ug/kg
WC-B1I COMP	L1941307-06	4,4'-DDD	9/16/2019		Y	N	U		U	1.67	0.596	ug/kg
WC-B1I COMP	L1941307-06	DIELDRIN	9/16/2019		Y	N	U		U	1.04	0.523	ug/kg
WC-B1I COMP	L1941307-06	CIS-CHLORDANE	9/16/2019		Y	N	U		U	2.09	0.582	ug/kg
WC-B1I COMP	L1941307-06	TOXAPHENE	9/16/2019		Y	N	U		U	31.4	8.78	ug/kg
WC-B1I COMP	L1941307-06	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.67	0.559	ug/kg
WC-B1II COMP	L1941307-08	DIELDRIN	9/16/2019		Y	N	U		U	1.04	0.519	ug/kg
WC-B1II COMP	L1941307-08	CIS-CHLORDANE	9/16/2019		Y	N	U		U	2.08	0.578	ug/kg
WC-B1II COMP	L1941307-08	TOXAPHENE	9/16/2019		Y	N	U		U	31.1	8.72	ug/kg
WC-B1II COMP	L1941307-08	METHOXYCHLOR	9/16/2019		Y	N	U		U	3.11	0.968	ug/kg
WC-B1II COMP	L1941307-08	LINDANE	9/16/2019		Y	N	U		U	0.692	0.309	ug/kg
WC-B1II COMP	L1941307-08	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.11	0.934	ug/kg

Analytical Method	SW8081B										
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
WC-B1II COMP	L1941307-08	HEPTACHLOR	9/16/2019		Y	N	U		U	0.830	0.372	ug/kg
WC-B1II COMP	L1941307-08	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.66	0.427	ug/kg
WC-B1II COMP	L1941307-08	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.08	0.726	ug/kg
WC-B1II COMP	L1941307-08	ENDRIN	9/16/2019		Y	N	U		U	0.692	0.284	ug/kg
WC-B1II COMP	L1941307-08	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.692	0.329	ug/kg
WC-B1II COMP	L1941307-08	TRANS-CHLORDANE	9/16/2019		Y	N	U		U	2.08	0.548	ug/kg
WC-B1II COMP	L1941307-08	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.66	0.392	ug/kg
WC-B1II COMP	L1941307-08	DELTA-BHC	9/16/2019		Y	N	U		U	1.66	0.325	ug/kg
WC-B1II COMP	L1941307-08	CHLORDANE	9/16/2019		Y	N	U		U	13.5	5.50	ug/kg
WC-B1II COMP	L1941307-08	BETA-BHC	9/16/2019		Y	N	U		U	1.66	0.629	ug/kg
WC-B1II COMP	L1941307-08	ALPHA-BHC	9/16/2019		Y	N	U		U	0.692	0.196	ug/kg
WC-B1II COMP	L1941307-08	ALDRIN	9/16/2019		Y	N	U		U	1.66	0.584	ug/kg
WC-B1II COMP	L1941307-08	4,4'-DDT	9/16/2019		Y	N	U		U	3.11	1.33	ug/kg
WC-B1II COMP	L1941307-08	4,4'-DDE	9/16/2019		Y	N	U		U	1.66	0.384	ug/kg
WC-B1II COMP	L1941307-08	4,4'-DDD	9/16/2019		Y	N	U		U	1.66	0.592	ug/kg
WC-B1II COMP	L1941307-08	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.66	0.555	ug/kg

Analytical Method	SW8082A										
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
WC-A1I COMP	L1941307-10	AROCLOR 1262	9/14/2019		Y	N	U		U	34.7	4.40	ug/kg
WC-A1I COMP	L1941307-10	AROCLOR 1016	9/14/2019		Y	N	U		U	34.7	3.08	ug/kg
WC-A1I COMP	L1941307-10	AROCLOR 1268	9/14/2019		Y	N	U		U	34.7	3.59	ug/kg
WC-A1I COMP	L1941307-10	AROCLOR 1260	9/14/2019		Y	N	U		U	34.7	6.41	ug/kg
WC-A1I COMP	L1941307-10	AROCLOR 1254	9/14/2019		Y	N	U		U	34.7	3.79	ug/kg
WC-A1I COMP	L1941307-10	AROCLOR 1248	9/14/2019		Y	N	U		U	34.7	5.20	ug/kg

SDG: L1941307

Analytical Method	SW8082A											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A1I COMP	L1941307-10	AROCLOR 1242	9/14/2019		Y	N	U		U	34.7	4.67	ug/kg
WC-A1I COMP	L1941307-10	AROCLOR 1232	9/14/2019		Y	N	U		U	34.7	7.35	ug/kg
WC-A1I COMP	L1941307-10	AROCLOR 1221	9/14/2019		Y	N	U		U	34.7	3.47	ug/kg
WC-A1I COMP	L1941307-10	PCBS, TOTAL	9/14/2019		Y	N	U		U	34.7	3.08	ug/kg
WC-A1II COMP	L1941307-12	AROCLOR 1242	9/14/2019		Y	N	U		U	35.3	4.76	ug/kg
WC-A1II COMP	L1941307-12	AROCLOR 1248	9/14/2019		Y	N	U		U	35.3	5.30	ug/kg
WC-A1II COMP	L1941307-12	AROCLOR 1254	9/14/2019		Y	N	U		U	35.3	3.86	ug/kg
WC-A1II COMP	L1941307-12	AROCLOR 1221	9/14/2019		Y	N	U		U	35.3	3.54	ug/kg
WC-A1II COMP	L1941307-12	AROCLOR 1260	9/14/2019		Y	N	U		U	35.3	6.52	ug/kg
WC-A1II COMP	L1941307-12	AROCLOR 1016	9/14/2019		Y	N	U		U	35.3	3.14	ug/kg
WC-A1II COMP	L1941307-12	AROCLOR 1262	9/14/2019		Y	N	U		U	35.3	4.48	ug/kg
WC-A1II COMP	L1941307-12	AROCLOR 1268	9/14/2019		Y	N	U		U	35.3	3.66	ug/kg
WC-A1II COMP	L1941307-12	PCBS, TOTAL	9/14/2019		Y	N	U		U	35.3	3.14	ug/kg
WC-A1II COMP	L1941307-12	AROCLOR 1232	9/14/2019		Y	N	U		U	35.3	7.48	ug/kg
WC-A2I COMP	L1941307-01	AROCLOR 1221	9/14/2019		Y	N	U		U	34.4	3.45	ug/kg
WC-A2I COMP	L1941307-01	AROCLOR 1248	9/14/2019		Y	N	U		U	34.4	5.16	ug/kg
WC-A2I COMP	L1941307-01	AROCLOR 1242	9/14/2019		Y	N	U		U	34.4	4.64	ug/kg
WC-A2I COMP	L1941307-01	AROCLOR 1016	9/14/2019		Y	N	U		U	34.4	3.06	ug/kg
WC-A2I COMP	L1941307-01	PCBS, TOTAL	9/14/2019		Y	N	U		U	34.4	3.06	ug/kg
WC-A2I COMP	L1941307-01	AROCLOR 1232	9/14/2019		Y	N	U		U	34.4	7.30	ug/kg
WC-A2I COMP	L1941307-01	AROCLOR 1254	9/14/2019		Y	N	U		U	34.4	3.76	ug/kg
WC-A2I COMP	L1941307-01	AROCLOR 1262	9/14/2019		Y	N	U		U	34.4	4.37	ug/kg
WC-A2I COMP	L1941307-01	AROCLOR 1260	9/14/2019		Y	N	U		U	34.4	6.36	ug/kg
WC-A2I COMP	L1941307-01	AROCLOR 1268	9/14/2019		Y	N	U		U	34.4	3.56	ug/kg
WC-A2II COMP	L1941307-04	AROCLOR 1221	9/14/2019		Y	N	U		U	37.4	3.75	ug/kg

SDG: L1941307

Analytical Method	SW8082A											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A2II COMP	L1941307-04	AROCLOR 1016	9/14/2019		Y	N	U		U	37.4	3.32	ug/kg
WC-A2II COMP	L1941307-04	AROCLOR 1232	9/14/2019		Y	N	U		U	37.4	7.94	ug/kg
WC-A2II COMP	L1941307-04	AROCLOR 1242	9/14/2019		Y	N	U		U	37.4	5.05	ug/kg
WC-A2II COMP	L1941307-04	AROCLOR 1254	9/14/2019		Y	N	U		U	37.4	4.10	ug/kg
WC-A2II COMP	L1941307-04	AROCLOR 1260	9/14/2019		Y	N	U		U	37.4	6.92	ug/kg
WC-A2II COMP	L1941307-04	AROCLOR 1262	9/14/2019		Y	N	U		U	37.4	4.76	ug/kg
WC-A2II COMP	L1941307-04	PCBS, TOTAL	9/14/2019		Y	N	U		U	37.4	3.32	ug/kg
WC-A2II COMP	L1941307-04	AROCLOR 1268	9/14/2019		Y	N	U		U	37.4	3.88	ug/kg
WC-A2II COMP	L1941307-04	AROCLOR 1248	9/14/2019		Y	N	U		U	37.4	5.62	ug/kg
WC-B1I COMP	L1941307-06	AROCLOR 1232	9/14/2019		Y	N	U		U	35.1	7.44	ug/kg
WC-B1I COMP	L1941307-06	PCBS, TOTAL	9/14/2019		Y	N	U		U	35.1	3.12	ug/kg
WC-B1I COMP	L1941307-06	AROCLOR 1268	9/14/2019		Y	N	U		U	35.1	3.64	ug/kg
WC-B1I COMP	L1941307-06	AROCLOR 1262	9/14/2019		Y	N	U		U	35.1	4.46	ug/kg
WC-B1I COMP	L1941307-06	AROCLOR 1260	9/14/2019		Y	N	U		U	35.1	6.48	ug/kg
WC-B1I COMP	L1941307-06	AROCLOR 1221	9/14/2019		Y	N	U		U	35.1	3.52	ug/kg
WC-B1I COMP	L1941307-06	AROCLOR 1242	9/14/2019		Y	N	U		U	35.1	4.73	ug/kg
WC-B1I COMP	L1941307-06	AROCLOR 1248	9/14/2019		Y	N	U		U	35.1	5.26	ug/kg
WC-B1I COMP	L1941307-06	AROCLOR 1254	9/14/2019		Y	N	U		U	35.1	3.84	ug/kg
WC-B1I COMP	L1941307-06	AROCLOR 1016	9/14/2019		Y	N	U		U	35.1	3.12	ug/kg
WC-B1II COMP	L1941307-08	AROCLOR 1262	9/14/2019		Y	N	U		U	35.5	4.51	ug/kg
WC-B1II COMP	L1941307-08	PCBS, TOTAL	9/14/2019		Y	N	U		U	35.5	3.16	ug/kg
WC-B1II COMP	L1941307-08	AROCLOR 1232	9/14/2019		Y	N	U		U	35.5	7.54	ug/kg
WC-B1II COMP	L1941307-08	AROCLOR 1268	9/14/2019		Y	N	U		U	35.5	3.68	ug/kg
WC-B1II COMP	L1941307-08	AROCLOR 1221	9/14/2019		Y	N	U		U	35.5	3.56	ug/kg
WC-B1II COMP	L1941307-08	AROCLOR 1254	9/14/2019		Y	N	U		U	35.5	3.89	ug/kg

Analytical Method	SW8082A											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
WC-B1II COMP	L1941307-08	AROCLOR 1242	9/14/2019		Y	N	U		U	35.5	4.79	ug/kg
WC-B1II COMP	L1941307-08	AROCLOR 1016	9/14/2019		Y	N	U		U	35.5	3.16	ug/kg
WC-B1II COMP	L1941307-08	AROCLOR 1260	9/14/2019		Y	N	U		U	35.5	6.57	ug/kg
WC-B1II COMP	L1941307-08	AROCLOR 1248	9/14/2019		Y	N	U		U	35.5	5.33	ug/kg
Analytical Method	SW8260C											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
WC-A1I GRAB	L1941307-09	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	0.89	0.11	ug/kg
WC-A1I GRAB	L1941307-09	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	1.8	0.34	ug/kg
WC-A1I GRAB	L1941307-09	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	0.89	0.10	ug/kg
WC-A1I GRAB	L1941307-09	P/M-XYLENE	9/16/2019		Y	N	U		U	1.8	0.50	ug/kg
WC-A1I GRAB	L1941307-09	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.13	ug/kg
WC-A1I GRAB	L1941307-09	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.10	ug/kg
WC-A1I GRAB	L1941307-09	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.89	0.24	ug/kg
WC-A1I GRAB	L1941307-09	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	4.4	1.2	ug/kg
WC-A1I GRAB	L1941307-09	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.89	0.16	ug/kg
WC-A1I GRAB	L1941307-09	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg
WC-A1I GRAB	L1941307-09	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.15	ug/kg
WC-A1I GRAB	L1941307-09	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.15	ug/kg
WC-A1I GRAB	L1941307-09	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.8	0.17	ug/kg
WC-A1I GRAB	L1941307-09	O-XYLENE	9/16/2019		Y	N	U		U	0.89	0.26	ug/kg
WC-A1I GRAB	L1941307-09	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.8	0.10	ug/kg
WC-A1I GRAB	L1941307-09	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.16	ug/kg
WC-A1I GRAB	L1941307-09	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	0.89	0.26	ug/kg
WC-A1I GRAB	L1941307-09	BENZENE	9/16/2019		Y	N	U		U	0.44	0.15	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A1I GRAB	L1941307-09	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg
WC-A1I GRAB	L1941307-09	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.15	ug/kg
WC-A1I GRAB	L1941307-09	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
WC-A1I GRAB	L1941307-09	2-HEXANONE	9/16/2019		Y	N	U		U	8.9	1.0	ug/kg
WC-A1I GRAB	L1941307-09	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	8.9	1.1	ug/kg
WC-A1I GRAB	L1941307-09	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	0.89	0.20	ug/kg
WC-A1I GRAB	L1941307-09	ACRYLONITRILE	9/16/2019		Y	N	U		U	3.5	1.0	ug/kg
WC-A1I GRAB	L1941307-09	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.89	0.23	ug/kg
WC-A1I GRAB	L1941307-09	BROMOBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
WC-A1I GRAB	L1941307-09	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
WC-A1I GRAB	L1941307-09	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.44	0.10	ug/kg
WC-A1I GRAB	L1941307-09	BROMOFORM	9/16/2019		Y	N	U		U	3.5	0.22	ug/kg
WC-A1I GRAB	L1941307-09	BROMOMETHANE	9/16/2019		Y	N	U	UJ	UJ	1.8	0.51	ug/kg
WC-A1I GRAB	L1941307-09	CARBON DISULFIDE	9/16/2019		Y	N	U		U	8.9	4.0	ug/kg
WC-A1I GRAB	L1941307-09	ACETONE	9/16/2019		Y	N	U	UJ	UJ	8.9	4.3	ug/kg
WC-A1I GRAB	L1941307-09	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.17	ug/kg
WC-A1I GRAB	L1941307-09	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.44	0.12	ug/kg
WC-A1I GRAB	L1941307-09	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.44	0.15	ug/kg
WC-A1I GRAB	L1941307-09	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.89	0.24	ug/kg
WC-A1I GRAB	L1941307-09	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.89	0.13	ug/kg
WC-A1I GRAB	L1941307-09	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.89	0.21	ug/kg
WC-A1I GRAB	L1941307-09	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg
WC-A1I GRAB	L1941307-09	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.15	ug/kg
WC-A1I GRAB	L1941307-09	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.11	ug/kg
WC-A1I GRAB	L1941307-09	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.17	ug/kg

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A1I GRAB	L1941307-09	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.24	ug/kg
WC-A1I GRAB	L1941307-09	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.30	ug/kg
WC-A1I GRAB	L1941307-09	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	2.6	0.88	ug/kg
WC-A1I GRAB	L1941307-09	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	0.89	0.25	ug/kg
WC-A1I GRAB	L1941307-09	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
WC-A1I GRAB	L1941307-09	2-BUTANONE	9/16/2019		Y	N	U		U	8.9	2.0	ug/kg
WC-A1I GRAB	L1941307-09	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.28	ug/kg
WC-A1I GRAB	L1941307-09	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.44	0.11	ug/kg
WC-A1I GRAB	L1941307-09	METHYL TERT BUTYL ETHER	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
WC-A1I GRAB	L1941307-09	NAPHTHALENE	9/16/2019		Y	N	U		U	3.5	0.58	ug/kg
WC-A1I GRAB	L1941307-09	STYRENE	9/16/2019		Y	N	U		U	0.89	0.17	ug/kg
WC-A1I GRAB	L1941307-09	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.44	0.17	ug/kg
WC-A1I GRAB	L1941307-09	TOLUENE	9/16/2019		Y	N	U		U	0.89	0.48	ug/kg
WC-A1I GRAB	L1941307-09	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	3.5	0.62	ug/kg
WC-A1I GRAB	L1941307-09	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.10	ug/kg
WC-A1I GRAB	L1941307-09	VINYL CHLORIDE	9/16/2019		Y	N	U		U	0.89	0.30	ug/kg
WC-A1I GRAB	L1941307-09	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.52	Y	Y	J		J	1.3	0.12	ug/kg
WC-A1I GRAB	L1941307-09	METHYLENE CHLORIDE	9/16/2019		Y	N	J	U	U	4.4	2.0	ug/kg
WC-A1I GRAB	L1941307-09	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	71	31	ug/kg
WC-A1I GRAB	L1941307-09	CHLOROFORM	9/16/2019		Y	N	J	U	U	1.3	0.12	ug/kg
WC-A1I GRAB	L1941307-09	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.52	Y	Y	J		J	0.89	0.12	ug/kg
WC-A1I GRAB	L1941307-09	1,1,1-TRICHLOROETHANE	9/16/2019	0.19	Y	Y	J		J	0.44	0.15	ug/kg
WC-A1I GRAB	L1941307-09	TRICHLOROETHENE	9/16/2019	4.8	Y	Y				0.44	0.12	ug/kg
WC-A1I GRAB	L1941307-09	VINYL ACETATE	9/16/2019		Y	N	U		U	8.9	1.9	ug/kg
WC-A1I GRAB	L1941307-09	ETHYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.12	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A1I GRAB	L1941307-09	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
WC-A1I GRAB	L1941307-09	CHLOROETHANE	9/16/2019		Y	N	U		U	1.8	0.40	ug/kg
WC-A1I GRAB	L1941307-09	CHLOROMETHANE	9/16/2019		Y	N	U		U	3.5	0.82	ug/kg
WC-A1I GRAB	L1941307-09	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	0.89	0.12	ug/kg
WC-A1I GRAB	L1941307-09	DIBROMOMETHANE	9/16/2019		Y	N	U		U	1.8	0.21	ug/kg
WC-A1I GRAB	L1941307-09	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U	UJ	UJ	8.9	0.81	ug/kg
WC-A1I GRAB	L1941307-09	ETHYL ETHER	9/16/2019		Y	N	U		U	1.8	0.30	ug/kg
WC-A1I GRAB	L1941307-09	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	3.5	0.15	ug/kg
WC-A1II GRAB	L1941307-11	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.44	0.10	ug/kg
WC-A1II GRAB	L1941307-11	VINYL ACETATE	9/16/2019		Y	N	U		U	8.7	1.9	ug/kg
WC-A1II GRAB	L1941307-11	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	3.5	0.61	ug/kg
WC-A1II GRAB	L1941307-11	TOLUENE	9/16/2019		Y	N	U		U	0.87	0.47	ug/kg
WC-A1II GRAB	L1941307-11	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.44	0.17	ug/kg
WC-A1II GRAB	L1941307-11	BENZENE	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg
WC-A1II GRAB	L1941307-11	STYRENE	9/16/2019		Y	N	U		U	0.87	0.17	ug/kg
WC-A1II GRAB	L1941307-11	NAPHTHALENE	9/16/2019		Y	N	U		U	3.5	0.57	ug/kg
WC-A1II GRAB	L1941307-11	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.7	0.18	ug/kg
WC-A1II GRAB	L1941307-11	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	0.87	0.10	ug/kg
WC-A1II GRAB	L1941307-11	BROMOFORM	9/16/2019		Y	N	U		U	3.5	0.21	ug/kg
WC-A1II GRAB	L1941307-11	ETHYL ETHER	9/16/2019		Y	N	U		U	1.7	0.30	ug/kg
WC-A1II GRAB	L1941307-11	VINYL CHLORIDE	9/16/2019		Y	N	U		U	0.87	0.29	ug/kg
WC-A1II GRAB	L1941307-11	ETHYLBENZENE	9/16/2019		Y	N	U		U	0.87	0.12	ug/kg
WC-A1II GRAB	L1941307-11	O-XYLENE	9/16/2019		Y	N	U		U	0.87	0.25	ug/kg
WC-A1II GRAB	L1941307-11	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	3.5	0.15	ug/kg
WC-A1II GRAB	L1941307-11	METHYL TERT BUTYL ETHER	9/16/2019		Y	N	U		U	1.7	0.18	ug/kg

SDG: L1941307

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A1II GRAB	L1941307-11	BROMOBENZENE	9/16/2019		Y	N	U		U	1.7	0.13	ug/kg
WC-A1II GRAB	L1941307-11	P/M-XYLENE	9/16/2019		Y	N	U		U	1.7	0.49	ug/kg
WC-A1II GRAB	L1941307-11	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U	UJ	UJ	8.7	0.80	ug/kg
WC-A1II GRAB	L1941307-11	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	1.7	0.34	ug/kg
WC-A1II GRAB	L1941307-11	ACRYLONITRILE	9/16/2019		Y	N	U		U	3.5	1.0	ug/kg
WC-A1II GRAB	L1941307-11	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.15	ug/kg
WC-A1II GRAB	L1941307-11	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.87	0.24	ug/kg
WC-A1II GRAB	L1941307-11	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg
WC-A1II GRAB	L1941307-11	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.87	0.14	ug/kg
WC-A1II GRAB	L1941307-11	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.87	0.13	ug/kg
WC-A1II GRAB	L1941307-11	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	0.87	0.25	ug/kg
WC-A1II GRAB	L1941307-11	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	0.87	0.10	ug/kg
WC-A1II GRAB	L1941307-11	TRICHLOROETHENE	9/16/2019	3.6	Y	Y				0.44	0.12	ug/kg
WC-A1II GRAB	L1941307-11	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.7	0.09	ug/kg
WC-A1II GRAB	L1941307-11	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.7	0.17	ug/kg
WC-A1II GRAB	L1941307-11	ACETONE	9/16/2019	110	Y	Y		J	J	8.7	4.2	ug/kg
WC-A1II GRAB	L1941307-11	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	4.4	1.2	ug/kg
WC-A1II GRAB	L1941307-11	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.87	0.15	ug/kg
WC-A1II GRAB	L1941307-11	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.10	ug/kg
WC-A1II GRAB	L1941307-11	CARBON DISULFIDE	9/16/2019		Y	N	U		U	8.7	4.0	ug/kg
WC-A1II GRAB	L1941307-11	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.87	0.13	ug/kg
WC-A1II GRAB	L1941307-11	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.87	0.23	ug/kg
WC-A1II GRAB	L1941307-11	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg
WC-A1II GRAB	L1941307-11	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.44	0.12	ug/kg
WC-A1II GRAB	L1941307-11	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.46	Y	Y	J		J	1.3	0.12	ug/kg

Analytical Method	SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A1II GRAB	L1941307-11	TOTAL TIC COMPOUNDS	9/16/2019	16.8	Y	Y	J		J			
WC-A1II GRAB	L1941307-11	CHLOROFORM	9/16/2019		Y	N	J	U	U	1.3	0.12	ug/kg
WC-A1II GRAB	L1941307-11	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.46	Y	Y	J		J	0.87	0.12	ug/kg
WC-A1II GRAB	L1941307-11	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.87	0.21	ug/kg
WC-A1II GRAB	L1941307-11	BROMOMETHANE	9/16/2019		Y	N	U	UJ	UJ	1.7	0.51	ug/kg
WC-A1II GRAB	L1941307-11	UNKNOWN	9/16/2019	16.8	Y	Y	J		J			
WC-A1II GRAB	L1941307-11	DIBROMOMETHANE	9/16/2019		Y	N	U		U	1.7	0.21	ug/kg
WC-A1II GRAB	L1941307-11	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	0.87	0.12	ug/kg
WC-A1II GRAB	L1941307-11	CHLOROMETHANE	9/16/2019		Y	N	U		U	3.5	0.81	ug/kg
WC-A1II GRAB	L1941307-11	CHLOROETHANE	9/16/2019		Y	N	U		U	1.7	0.39	ug/kg
WC-A1II GRAB	L1941307-11	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.44	0.11	ug/kg
WC-A1II GRAB	L1941307-11	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	0.87	0.20	ug/kg
WC-A1II GRAB	L1941307-11	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	0.87	0.15	ug/kg
WC-A1II GRAB	L1941307-11	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	8.7	1.1	ug/kg
WC-A1II GRAB	L1941307-11	1,1,1-TRICHLOROETHANE	9/16/2019	0.26	Y	Y	J		J	0.44	0.14	ug/kg
WC-A1II GRAB	L1941307-11	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.12	ug/kg
WC-A1II GRAB	L1941307-11	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg
WC-A1II GRAB	L1941307-11	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.7	0.14	ug/kg
WC-A1II GRAB	L1941307-11	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	70	31	ug/kg
WC-A1II GRAB	L1941307-11	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.7	0.18	ug/kg
WC-A1II GRAB	L1941307-11	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.13	ug/kg
WC-A1II GRAB	L1941307-11	METHYLENE CHLORIDE	9/16/2019		Y	N	J	U	U	4.4	2.0	ug/kg
WC-A1II GRAB	L1941307-11	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg
WC-A1II GRAB	L1941307-11	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.17	ug/kg
WC-A1II GRAB	L1941307-11	2-BUTANONE	9/16/2019		Y	N	U		U	8.7	1.9	ug/kg

SDG: L1941307

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A1II GRAB	L1941307-11	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	0.87	0.11	ug/kg
WC-A1II GRAB	L1941307-11	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.15	ug/kg
WC-A1II GRAB	L1941307-11	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.87	0.22	ug/kg
WC-A1II GRAB	L1941307-11	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	0.87	0.24	ug/kg
WC-A1II GRAB	L1941307-11	2-HEXANONE	9/16/2019		Y	N	U		U	8.7	1.0	ug/kg
WC-A1II GRAB	L1941307-11	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	2.6	0.87	ug/kg
WC-A1II GRAB	L1941307-11	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.28	ug/kg
WC-A1II GRAB	L1941307-11	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.29	ug/kg
WC-A1II GRAB	L1941307-11	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	1.7	0.11	ug/kg
WC-A1II GRAB	L1941307-11	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.17	ug/kg
WC-A1II GRAB	L1941307-11	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.24	ug/kg
WC-A2I GRAB	L1941307-02	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.15	ug/kg
WC-A2I GRAB	L1941307-02	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	3.1	1.0	ug/kg
WC-A2I GRAB	L1941307-02	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.12	ug/kg
WC-A2I GRAB	L1941307-02	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	1.0	0.29	ug/kg
WC-A2I GRAB	L1941307-02	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.1	0.20	ug/kg
WC-A2I GRAB	L1941307-02	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.15	ug/kg
WC-A2I GRAB	L1941307-02	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.0	0.26	ug/kg
WC-A2I GRAB	L1941307-02	P/M-XYLENE	9/16/2019		Y	N	U		U	2.1	0.58	ug/kg
WC-A2I GRAB	L1941307-02	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	1.0	0.11	ug/kg
WC-A2I GRAB	L1941307-02	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	2.1	0.40	ug/kg
WC-A2I GRAB	L1941307-02	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.18	ug/kg
WC-A2I GRAB	L1941307-02	O-XYLENE	9/16/2019		Y	N	U		U	1.0	0.30	ug/kg
WC-A2I GRAB	L1941307-02	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.18	ug/kg
WC-A2I GRAB	L1941307-02	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.17	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A2I GRAB	L1941307-02	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.34	ug/kg
WC-A2I GRAB	L1941307-02	METHYL TERT BUTYL ETHER	9/16/2019	0.68	Y	Y	J		J	2.1	0.21	ug/kg
WC-A2I GRAB	L1941307-02	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.52	0.16	ug/kg
WC-A2I GRAB	L1941307-02	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	1.0	0.30	ug/kg
WC-A2I GRAB	L1941307-02	VINYL CHLORIDE	9/16/2019		Y	N	U		U	1.0	0.34	ug/kg
WC-A2I GRAB	L1941307-02	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.1	0.11	ug/kg
WC-A2I GRAB	L1941307-02	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.52	0.14	ug/kg
WC-A2I GRAB	L1941307-02	2-BUTANONE	9/16/2019	2.4	Y	Y	J		J	10	2.3	ug/kg
WC-A2I GRAB	L1941307-02	CIS-1,2-DICHLOROETHENE	9/16/2019	9.6	Y	Y				1.0	0.18	ug/kg
WC-A2I GRAB	L1941307-02	TRICHLOROETHENE	9/16/2019	1.0	Y	Y				0.52	0.14	ug/kg
WC-A2I GRAB	L1941307-02	TETRACHLOROETHENE	9/16/2019	0.72	Y	Y				0.52	0.20	ug/kg
WC-A2I GRAB	L1941307-02	ACETONE	9/16/2019	92	Y	Y		J	J	10	5.0	ug/kg
WC-A2I GRAB	L1941307-02	CHLOROFORM	9/16/2019		Y	N	J	U	U	1.5	0.14	ug/kg
WC-A2I GRAB	L1941307-02	BROMOFORM	9/16/2019		Y	N	U		U	4.1	0.25	ug/kg
WC-A2I GRAB	L1941307-02	METHYLENE CHLORIDE	9/16/2019		Y	N	J	U	U	5.2	2.4	ug/kg
WC-A2I GRAB	L1941307-02	VINYL ACETATE	9/16/2019		Y	N	U		U	10	2.2	ug/kg
WC-A2I GRAB	L1941307-02	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.58	Y	Y	J		J	1.5	0.14	ug/kg
WC-A2I GRAB	L1941307-02	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	5.2	1.5	ug/kg
WC-A2I GRAB	L1941307-02	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.28	ug/kg
WC-A2I GRAB	L1941307-02	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.52	0.17	ug/kg
WC-A2I GRAB	L1941307-02	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.52	0.17	ug/kg
WC-A2I GRAB	L1941307-02	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	1.0	0.28	ug/kg
WC-A2I GRAB	L1941307-02	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.0	0.15	ug/kg
WC-A2I GRAB	L1941307-02	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	1.0	0.24	ug/kg
WC-A2I GRAB	L1941307-02	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.52	0.16	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A2I GRAB	L1941307-02	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.33	ug/kg
WC-A2I GRAB	L1941307-02	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	2.1	0.13	ug/kg
WC-A2I GRAB	L1941307-02	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.20	ug/kg
WC-A2I GRAB	L1941307-02	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	1.0	0.28	ug/kg
WC-A2I GRAB	L1941307-02	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	10	Y	Y	J		J	1.0	0.14	ug/kg
WC-A2I GRAB	L1941307-02	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.20	ug/kg
WC-A2I GRAB	L1941307-02	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.1	0.17	ug/kg
WC-A2I GRAB	L1941307-02	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.18	ug/kg
WC-A2I GRAB	L1941307-02	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	82	36	ug/kg
WC-A2I GRAB	L1941307-02	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.1	0.21	ug/kg
WC-A2I GRAB	L1941307-02	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.0	0.13	ug/kg
WC-A2I GRAB	L1941307-02	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	4.1	0.72	ug/kg
WC-A2I GRAB	L1941307-02	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.15	ug/kg
WC-A2I GRAB	L1941307-02	CARBON DISULFIDE	9/16/2019		Y	N	U		U	10	4.7	ug/kg
WC-A2I GRAB	L1941307-02	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	10	1.3	ug/kg
WC-A2I GRAB	L1941307-02	ACRYLONITRILE	9/16/2019		Y	N	U		U	4.1	1.2	ug/kg
WC-A2I GRAB	L1941307-02	BENZENE	9/16/2019		Y	N	U		U	0.52	0.17	ug/kg
WC-A2I GRAB	L1941307-02	BROMOBENZENE	9/16/2019		Y	N	U		U	2.1	0.15	ug/kg
WC-A2I GRAB	L1941307-02	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	2.1	0.21	ug/kg
WC-A2I GRAB	L1941307-02	2-HEXANONE	9/16/2019		Y	N	U		U	10	1.2	ug/kg
WC-A2I GRAB	L1941307-02	ETHYL ETHER	9/16/2019		Y	N	U		U	2.1	0.35	ug/kg
WC-A2I GRAB	L1941307-02	TOLUENE	9/16/2019		Y	N	U		U	1.0	0.56	ug/kg
WC-A2I GRAB	L1941307-02	STYRENE	9/16/2019		Y	N	U		U	1.0	0.20	ug/kg
WC-A2I GRAB	L1941307-02	NAPHTHALENE	9/16/2019		Y	N	U		U	4.1	0.67	ug/kg
WC-A2I GRAB	L1941307-02	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.11	ug/kg

SDG: L1941307

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A2I GRAB	L1941307-02	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	4.1	0.17	ug/kg
WC-A2I GRAB	L1941307-02	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.52	0.16	ug/kg
WC-A2I GRAB	L1941307-02	ETHYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.14	ug/kg
WC-A2I GRAB	L1941307-02	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.52	0.11	ug/kg
WC-A2I GRAB	L1941307-02	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U	UJ	UJ	10	0.94	ug/kg
WC-A2I GRAB	L1941307-02	DIBROMOMETHANE	9/16/2019		Y	N	U		U	2.1	0.24	ug/kg
WC-A2I GRAB	L1941307-02	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.0	0.14	ug/kg
WC-A2I GRAB	L1941307-02	CHLOROMETHANE	9/16/2019		Y	N	U		U	4.1	0.96	ug/kg
WC-A2I GRAB	L1941307-02	CHLOROETHANE	9/16/2019		Y	N	U		U	2.1	0.47	ug/kg
WC-A2I GRAB	L1941307-02	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.52	0.13	ug/kg
WC-A2I GRAB	L1941307-02	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	1.0	0.24	ug/kg
WC-A2I GRAB	L1941307-02	BROMOMETHANE	9/16/2019		Y	N	U	UJ	UJ	2.1	0.60	ug/kg
WC-A2II GRAB	L1941307-03	BROMOFORM	9/16/2019		Y	N	U		U	3.5	0.22	ug/kg
WC-A2II GRAB	L1941307-03	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
WC-A2II GRAB	L1941307-03	BENZENE	9/16/2019		Y	N	U		U	0.44	0.15	ug/kg
WC-A2II GRAB	L1941307-03	2-HEXANONE	9/16/2019		Y	N	U		U	8.9	1.0	ug/kg
WC-A2II GRAB	L1941307-03	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.89	0.13	ug/kg
WC-A2II GRAB	L1941307-03	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	8.9	1.1	ug/kg
WC-A2II GRAB	L1941307-03	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.44	0.10	ug/kg
WC-A2II GRAB	L1941307-03	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.44	0.12	ug/kg
WC-A2II GRAB	L1941307-03	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.44	0.15	ug/kg
WC-A2II GRAB	L1941307-03	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.44	0.15	ug/kg
WC-A2II GRAB	L1941307-03	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.89	0.24	ug/kg
WC-A2II GRAB	L1941307-03	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
WC-A2II GRAB	L1941307-03	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	71	31	ug/kg

SDG: L1941307

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A2II GRAB	L1941307-03	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	2.6	0.88	ug/kg
WC-A2II GRAB	L1941307-03	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.30	ug/kg
WC-A2II GRAB	L1941307-03	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.24	ug/kg
WC-A2II GRAB	L1941307-03	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.17	ug/kg
WC-A2II GRAB	L1941307-03	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.11	ug/kg
WC-A2II GRAB	L1941307-03	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.28	ug/kg
WC-A2II GRAB	L1941307-03	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.89	0.21	ug/kg
WC-A2II GRAB	L1941307-03	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg
WC-A2II GRAB	L1941307-03	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
WC-A2II GRAB	L1941307-03	BROMOMETHANE	9/16/2019		Y	N	U	UJ	UJ	1.8	0.51	ug/kg
WC-A2II GRAB	L1941307-03	BROMOBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
WC-A2II GRAB	L1941307-03	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.89	0.24	ug/kg
WC-A2II GRAB	L1941307-03	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.13	ug/kg
WC-A2II GRAB	L1941307-03	P/M-XYLENE	9/16/2019		Y	N	U		U	1.8	0.50	ug/kg
WC-A2II GRAB	L1941307-03	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	0.89	0.10	ug/kg
WC-A2II GRAB	L1941307-03	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	1.8	0.34	ug/kg
WC-A2II GRAB	L1941307-03	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.16	ug/kg
WC-A2II GRAB	L1941307-03	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.8	0.10	ug/kg
WC-A2II GRAB	L1941307-03	O-XYLENE	9/16/2019		Y	N	U		U	0.89	0.26	ug/kg
WC-A2II GRAB	L1941307-03	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.15	ug/kg
WC-A2II GRAB	L1941307-03	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.10	ug/kg
WC-A2II GRAB	L1941307-03	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.15	ug/kg
WC-A2II GRAB	L1941307-03	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.45	Y	Y	J		J	0.89	0.12	ug/kg
WC-A2II GRAB	L1941307-03	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.17	ug/kg
WC-A2II GRAB	L1941307-03	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	0.89	0.11	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A2II GRAB	L1941307-03	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.89	0.23	ug/kg
WC-A2II GRAB	L1941307-03	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
WC-A2II GRAB	L1941307-03	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	0.89	0.25	ug/kg
WC-A2II GRAB	L1941307-03	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.45	Y	Y	J		J	1.3	0.12	ug/kg
WC-A2II GRAB	L1941307-03	TRICHLOROETHENE	9/16/2019	0.24	Y	Y	J		J	0.44	0.12	ug/kg
WC-A2II GRAB	L1941307-03	METHYLENE CHLORIDE	9/16/2019		Y	N	J	U	U	4.4	2.0	ug/kg
WC-A2II GRAB	L1941307-03	METHYL TERT BUTYL ETHER	9/16/2019	0.48	Y	Y	J		J	1.8	0.18	ug/kg
WC-A2II GRAB	L1941307-03	CHLOROFORM	9/16/2019		Y	N	J	U	U	1.3	0.12	ug/kg
WC-A2II GRAB	L1941307-03	2-BUTANONE	9/16/2019	2.6	Y	Y	J		J	8.9	2.0	ug/kg
WC-A2II GRAB	L1941307-03	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg
WC-A2II GRAB	L1941307-03	ACRYLONITRILE	9/16/2019		Y	N	U		U	3.5	1.0	ug/kg
WC-A2II GRAB	L1941307-03	CARBON DISULFIDE	9/16/2019		Y	N	U		U	8.9	4.0	ug/kg
WC-A2II GRAB	L1941307-03	ACETONE	9/16/2019	110	Y	Y		J	J	8.9	4.3	ug/kg
WC-A2II GRAB	L1941307-03	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	4.4	1.2	ug/kg
WC-A2II GRAB	L1941307-03	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.8	0.17	ug/kg
WC-A2II GRAB	L1941307-03	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.15	ug/kg
WC-A2II GRAB	L1941307-03	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.15	ug/kg
WC-A2II GRAB	L1941307-03	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg
WC-A2II GRAB	L1941307-03	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.89	0.16	ug/kg
WC-A2II GRAB	L1941307-03	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	0.89	0.26	ug/kg
WC-A2II GRAB	L1941307-03	VINYL CHLORIDE	9/16/2019		Y	N	U		U	0.89	0.30	ug/kg
WC-A2II GRAB	L1941307-03	VINYL ACETATE	9/16/2019		Y	N	U		U	8.9	1.9	ug/kg
WC-A2II GRAB	L1941307-03	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	3.5	0.62	ug/kg
WC-A2II GRAB	L1941307-03	TOLUENE	9/16/2019		Y	N	U		U	0.89	0.48	ug/kg
WC-A2II GRAB	L1941307-03	CHLOROMETHANE	9/16/2019		Y	N	U		U	3.5	0.83	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A2II GRAB	L1941307-03	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	0.89	0.20	ug/kg
WC-A2II GRAB	L1941307-03	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.44	0.17	ug/kg
WC-A2II GRAB	L1941307-03	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.44	0.11	ug/kg
WC-A2II GRAB	L1941307-03	CHLOROETHANE	9/16/2019		Y	N	U		U	1.8	0.40	ug/kg
WC-A2II GRAB	L1941307-03	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	0.89	0.12	ug/kg
WC-A2II GRAB	L1941307-03	DIBROMOMETHANE	9/16/2019		Y	N	U		U	1.8	0.21	ug/kg
WC-A2II GRAB	L1941307-03	ETHYL ETHER	9/16/2019		Y	N	U		U	1.8	0.30	ug/kg
WC-A2II GRAB	L1941307-03	ETHYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.12	ug/kg
WC-A2II GRAB	L1941307-03	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	3.5	0.15	ug/kg
WC-A2II GRAB	L1941307-03	STYRENE	9/16/2019		Y	N	U		U	0.89	0.17	ug/kg
WC-A2II GRAB	L1941307-03	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.10	ug/kg
WC-A2II GRAB	L1941307-03	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U	UJ	UJ	8.9	0.81	ug/kg
WC-A2II GRAB	L1941307-03	NAPHTHALENE	9/16/2019		Y	N	U		U	3.5	0.58	ug/kg
WC-B1I GRAB	L1941307-05	TRICHLOROETHENE	9/16/2019		Y	N	U		U	0.46	0.13	ug/kg
WC-B1I GRAB	L1941307-05	METHYL TERT BUTYL ETHER	9/16/2019		Y	N	U		U	1.8	0.19	ug/kg
WC-B1I GRAB	L1941307-05	NAPHTHALENE	9/16/2019		Y	N	U		U	3.7	0.60	ug/kg
WC-B1I GRAB	L1941307-05	STYRENE	9/16/2019		Y	N	U		U	0.93	0.18	ug/kg
WC-B1I GRAB	L1941307-05	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	3.7	0.64	ug/kg
WC-B1I GRAB	L1941307-05	TOLUENE	9/16/2019		Y	N	U		U	0.93	0.50	ug/kg
WC-B1I GRAB	L1941307-05	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	0.93	0.10	ug/kg
WC-B1I GRAB	L1941307-05	CHLOROMETHANE	9/16/2019		Y	N	U		U	3.7	0.86	ug/kg
WC-B1I GRAB	L1941307-05	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.46	0.18	ug/kg
WC-B1I GRAB	L1941307-05	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	3.7	0.16	ug/kg
WC-B1I GRAB	L1941307-05	ETHYLBENZENE	9/16/2019		Y	N	U		U	0.93	0.13	ug/kg
WC-B1I GRAB	L1941307-05	ETHYL ETHER	9/16/2019		Y	N	U		U	1.8	0.32	ug/kg

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B1I GRAB	L1941307-05	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U	UJ	UJ	9.3	0.85	ug/kg
WC-B1I GRAB	L1941307-05	VINYL ACETATE	9/16/2019		Y	N	U		U	9.3	2.0	ug/kg
WC-B1I GRAB	L1941307-05	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	0.93	0.13	ug/kg
WC-B1I GRAB	L1941307-05	O-XYLENE	9/16/2019		Y	N	U		U	0.93	0.27	ug/kg
WC-B1I GRAB	L1941307-05	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.46	0.12	ug/kg
WC-B1I GRAB	L1941307-05	CARBON DISULFIDE	9/16/2019		Y	N	U		U	9.3	4.2	ug/kg
WC-B1I GRAB	L1941307-05	BROMOMETHANE	9/16/2019		Y	N	U	UJ	UJ	1.8	0.54	ug/kg
WC-B1I GRAB	L1941307-05	DIBROMOMETHANE	9/16/2019		Y	N	U		U	1.8	0.22	ug/kg
WC-B1I GRAB	L1941307-05	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	1.8	0.36	ug/kg
WC-B1I GRAB	L1941307-05	ACETONE	9/16/2019	98	Y	Y		J	J	9.3	4.5	ug/kg
WC-B1I GRAB	L1941307-05	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.45	Y	Y	J		J	0.93	0.13	ug/kg
WC-B1I GRAB	L1941307-05	CHLOROFORM	9/16/2019		Y	N	J	U	U	1.4	0.13	ug/kg
WC-B1I GRAB	L1941307-05	METHYLENE CHLORIDE	9/16/2019		Y	N	J	U	U	4.6	2.1	ug/kg
WC-B1I GRAB	L1941307-05	TOTAL TIC COMPOUNDS	9/16/2019	24.4	Y	Y	J		J			
WC-B1I GRAB	L1941307-05	UNKNOWN	9/16/2019	24.4	Y	Y	J		J			
WC-B1I GRAB	L1941307-05	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	0.93	0.21	ug/kg
WC-B1I GRAB	L1941307-05	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	0.93	0.16	ug/kg
WC-B1I GRAB	L1941307-05	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	0.93	0.10	ug/kg
WC-B1I GRAB	L1941307-05	VINYL CHLORIDE	9/16/2019		Y	N	U		U	0.93	0.31	ug/kg
WC-B1I GRAB	L1941307-05	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.16	ug/kg
WC-B1I GRAB	L1941307-05	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.8	0.10	ug/kg
WC-B1I GRAB	L1941307-05	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
WC-B1I GRAB	L1941307-05	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.45	Y	Y	J		J	1.4	0.13	ug/kg
WC-B1I GRAB	L1941307-05	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.93	0.15	ug/kg
WC-B1I GRAB	L1941307-05	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B1I GRAB	L1941307-05	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.93	0.16	ug/kg
WC-B1I GRAB	L1941307-05	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	0.93	0.27	ug/kg
WC-B1I GRAB	L1941307-05	BROMOFORM	9/16/2019		Y	N	U		U	3.7	0.23	ug/kg
WC-B1I GRAB	L1941307-05	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.46	0.10	ug/kg
WC-B1I GRAB	L1941307-05	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.19	ug/kg
WC-B1I GRAB	L1941307-05	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	74	32	ug/kg
WC-B1I GRAB	L1941307-05	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
WC-B1I GRAB	L1941307-05	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.14	ug/kg
WC-B1I GRAB	L1941307-05	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
WC-B1I GRAB	L1941307-05	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	0.93	0.12	ug/kg
WC-B1I GRAB	L1941307-05	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.93	0.24	ug/kg
WC-B1I GRAB	L1941307-05	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
WC-B1I GRAB	L1941307-05	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	0.93	0.26	ug/kg
WC-B1I GRAB	L1941307-05	2-BUTANONE	9/16/2019		Y	N	U		U	9.3	2.0	ug/kg
WC-B1I GRAB	L1941307-05	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.93	0.13	ug/kg
WC-B1I GRAB	L1941307-05	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.16	ug/kg
WC-B1I GRAB	L1941307-05	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.93	0.22	ug/kg
WC-B1I GRAB	L1941307-05	CHLOROETHANE	9/16/2019		Y	N	U		U	1.8	0.42	ug/kg
WC-B1I GRAB	L1941307-05	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
WC-B1I GRAB	L1941307-05	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.30	ug/kg
WC-B1I GRAB	L1941307-05	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.12	ug/kg
WC-B1I GRAB	L1941307-05	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
WC-B1I GRAB	L1941307-05	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.25	ug/kg
WC-B1I GRAB	L1941307-05	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	2.8	0.92	ug/kg
WC-B1I GRAB	L1941307-05	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.31	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B1I GRAB	L1941307-05	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.93	0.25	ug/kg
WC-B1I GRAB	L1941307-05	P/M-XYLENE	9/16/2019		Y	N	U		U	1.8	0.52	ug/kg
WC-B1I GRAB	L1941307-05	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.15	ug/kg
WC-B1I GRAB	L1941307-05	2-HEXANONE	9/16/2019		Y	N	U		U	9.3	1.1	ug/kg
WC-B1I GRAB	L1941307-05	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	4.6	1.3	ug/kg
WC-B1I GRAB	L1941307-05	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.93	0.25	ug/kg
WC-B1I GRAB	L1941307-05	BENZENE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
WC-B1I GRAB	L1941307-05	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.93	0.14	ug/kg
WC-B1I GRAB	L1941307-05	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
WC-B1I GRAB	L1941307-05	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
WC-B1I GRAB	L1941307-05	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.46	0.12	ug/kg
WC-B1I GRAB	L1941307-05	BROMOBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
WC-B1I GRAB	L1941307-05	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.8	0.19	ug/kg
WC-B1I GRAB	L1941307-05	ACRYLONITRILE	9/16/2019		Y	N	U		U	3.7	1.1	ug/kg
WC-B1I GRAB	L1941307-05	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	9.3	1.2	ug/kg
WC-B1I GRAB	L1941307-05	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.11	ug/kg
WC-B1II GRAB	L1941307-07	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.44	0.12	ug/kg
WC-B1II GRAB	L1941307-07	METHYLENE CHLORIDE	9/16/2019		Y	N	J	U	U	4.4	2.0	ug/kg
WC-B1II GRAB	L1941307-07	METHYL TERT BUTYL ETHER	9/16/2019	0.64	Y	Y	J		J	1.8	0.18	ug/kg
WC-B1II GRAB	L1941307-07	CHLOROFORM	9/16/2019		Y	N	J	U	U	1.3	0.12	ug/kg
WC-B1II GRAB	L1941307-07	2-BUTANONE	9/16/2019	4.0	Y	Y	J		J	8.8	2.0	ug/kg
WC-B1II GRAB	L1941307-07	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.51	Y	Y	J		J	0.88	0.12	ug/kg
WC-B1II GRAB	L1941307-07	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	1.8	0.34	ug/kg
WC-B1II GRAB	L1941307-07	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	0.88	0.10	ug/kg
WC-B1II GRAB	L1941307-07	P/M-XYLENE	9/16/2019		Y	N	U		U	1.8	0.49	ug/kg

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B1II GRAB	L1941307-07	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.88	0.13	ug/kg
WC-B1II GRAB	L1941307-07	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.88	0.24	ug/kg
WC-B1II GRAB	L1941307-07	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	4.4	1.2	ug/kg
WC-B1II GRAB	L1941307-07	TETRACHLOROETHENE	9/16/2019	0.23	Y	Y	J		J	0.44	0.17	ug/kg
WC-B1II GRAB	L1941307-07	ACETONE	9/16/2019	260	Y	Y		J	J	8.8	4.2	ug/kg
WC-B1II GRAB	L1941307-07	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg
WC-B1II GRAB	L1941307-07	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.24	ug/kg
WC-B1II GRAB	L1941307-07	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.15	ug/kg
WC-B1II GRAB	L1941307-07	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.10	ug/kg
WC-B1II GRAB	L1941307-07	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	0.88	0.11	ug/kg
WC-B1II GRAB	L1941307-07	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.16	ug/kg
WC-B1II GRAB	L1941307-07	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.88	0.23	ug/kg
WC-B1II GRAB	L1941307-07	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
WC-B1II GRAB	L1941307-07	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	0.88	0.24	ug/kg
WC-B1II GRAB	L1941307-07	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	2.6	0.88	ug/kg
WC-B1II GRAB	L1941307-07	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.29	ug/kg
WC-B1II GRAB	L1941307-07	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.17	ug/kg
WC-B1II GRAB	L1941307-07	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	70	31	ug/kg
WC-B1II GRAB	L1941307-07	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.15	ug/kg
WC-B1II GRAB	L1941307-07	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.51	Y	Y	J		J	1.3	0.12	ug/kg
WC-B1II GRAB	L1941307-07	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
WC-B1II GRAB	L1941307-07	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.17	ug/kg
WC-B1II GRAB	L1941307-07	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.11	ug/kg
WC-B1II GRAB	L1941307-07	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.28	ug/kg
WC-B1II GRAB	L1941307-07	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B1II GRAB	L1941307-07	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.88	0.21	ug/kg
WC-B1II GRAB	L1941307-07	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.88	0.13	ug/kg
WC-B1II GRAB	L1941307-07	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.88	0.24	ug/kg
WC-B1II GRAB	L1941307-07	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.44	0.15	ug/kg
WC-B1II GRAB	L1941307-07	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.44	0.15	ug/kg
WC-B1II GRAB	L1941307-07	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
WC-B1II GRAB	L1941307-07	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U	UJ	UJ	8.8	0.80	ug/kg
WC-B1II GRAB	L1941307-07	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.44	0.10	ug/kg
WC-B1II GRAB	L1941307-07	BROMOFORM	9/16/2019		Y	N	U		U	3.5	0.22	ug/kg
WC-B1II GRAB	L1941307-07	BROMOMETHANE	9/16/2019		Y	N	U	UJ	UJ	1.8	0.51	ug/kg
WC-B1II GRAB	L1941307-07	CARBON DISULFIDE	9/16/2019		Y	N	U		U	8.8	4.0	ug/kg
WC-B1II GRAB	L1941307-07	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	0.88	0.20	ug/kg
WC-B1II GRAB	L1941307-07	VINYL ACETATE	9/16/2019		Y	N	U		U	8.8	1.9	ug/kg
WC-B1II GRAB	L1941307-07	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.44	0.11	ug/kg
WC-B1II GRAB	L1941307-07	CHLOROMETHANE	9/16/2019		Y	N	U		U	3.5	0.82	ug/kg
WC-B1II GRAB	L1941307-07	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
WC-B1II GRAB	L1941307-07	DIBROMOMETHANE	9/16/2019		Y	N	U		U	1.8	0.21	ug/kg
WC-B1II GRAB	L1941307-07	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	3.5	0.61	ug/kg
WC-B1II GRAB	L1941307-07	ETHYL ETHER	9/16/2019		Y	N	U		U	1.8	0.30	ug/kg
WC-B1II GRAB	L1941307-07	ETHYLBENZENE	9/16/2019		Y	N	U		U	0.88	0.12	ug/kg
WC-B1II GRAB	L1941307-07	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	3.5	0.15	ug/kg
WC-B1II GRAB	L1941307-07	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	0.88	0.10	ug/kg
WC-B1II GRAB	L1941307-07	NAPHTHALENE	9/16/2019		Y	N	U		U	3.5	0.57	ug/kg
WC-B1II GRAB	L1941307-07	STYRENE	9/16/2019		Y	N	U		U	0.88	0.17	ug/kg
WC-B1II GRAB	L1941307-07	TOLUENE	9/16/2019		Y	N	U		U	0.88	0.48	ug/kg

Analytical Method	SW8260C											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
WC-B1II GRAB	L1941307-07	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.8	0.10	ug/kg
WC-B1II GRAB	L1941307-07	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	0.88	0.12	ug/kg
WC-B1II GRAB	L1941307-07	TRICHLOROETHENE	9/16/2019	0.82	Y	Y				0.44	0.12	ug/kg
WC-B1II GRAB	L1941307-07	O-XYLENE	9/16/2019		Y	N	U		U	0.88	0.26	ug/kg
WC-B1II GRAB	L1941307-07	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.8	0.17	ug/kg
WC-B1II GRAB	L1941307-07	CHLOROETHANE	9/16/2019		Y	N	U		U	1.8	0.40	ug/kg
WC-B1II GRAB	L1941307-07	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.88	0.15	ug/kg
WC-B1II GRAB	L1941307-07	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg
WC-B1II GRAB	L1941307-07	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.88	0.15	ug/kg
WC-B1II GRAB	L1941307-07	2-HEXANONE	9/16/2019		Y	N	U		U	8.8	1.0	ug/kg
WC-B1II GRAB	L1941307-07	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	8.8	1.1	ug/kg
WC-B1II GRAB	L1941307-07	ACRYLONITRILE	9/16/2019		Y	N	U		U	3.5	1.0	ug/kg
WC-B1II GRAB	L1941307-07	BENZENE	9/16/2019		Y	N	U		U	0.44	0.15	ug/kg
WC-B1II GRAB	L1941307-07	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	0.88	0.26	ug/kg
WC-B1II GRAB	L1941307-07	VINYL CHLORIDE	9/16/2019		Y	N	U		U	0.88	0.29	ug/kg
WC-B1II GRAB	L1941307-07	BROMOBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
WC-B1II GRAB	L1941307-07	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	0.88	0.15	ug/kg

Analytical Method	SW8270D											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
WC-A1I COMP	L1941307-10	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	25	ug/kg
WC-A1I COMP	L1941307-10	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	17	ug/kg
WC-A1I COMP	L1941307-10	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	110	21	ug/kg
WC-A1I COMP	L1941307-10	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	62	ug/kg
WC-A1I COMP	L1941307-10	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	150	25	ug/kg

SDG: L1941307

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A1I COMP	L1941307-10	CARBAZOLE	9/17/2019		Y	N	U		U	180	18	ug/kg
WC-A1I COMP	L1941307-10	ISOPHORONE	9/17/2019		Y	N	U		U	160	24	ug/kg
WC-A1I COMP	L1941307-10	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	220	31	ug/kg
WC-A1I COMP	L1941307-10	FLUORENE	9/17/2019		Y	N	U		U	180	18	ug/kg
WC-A1I COMP	L1941307-10	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	200	18	ug/kg
WC-A1I COMP	L1941307-10	BIPHENYL	9/17/2019		Y	N	U		U	420	42	ug/kg
WC-A1I COMP	L1941307-10	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	56	ug/kg
WC-A1I COMP	L1941307-10	BENZOIC ACID	9/17/2019		Y	N	U		U	590	180	ug/kg
WC-A1I COMP	L1941307-10	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	110	29	ug/kg
WC-A1I COMP	L1941307-10	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	63	ug/kg
WC-A1I COMP	L1941307-10	BENZO(A)ANTHRACENE	9/17/2019	29	Y	Y	J		J	110	20	ug/kg
WC-A1I COMP	L1941307-10	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	150	22	ug/kg
WC-A1I COMP	L1941307-10	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	27	ug/kg
WC-A1I COMP	L1941307-10	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	28	ug/kg
WC-A1I COMP	L1941307-10	PHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
WC-A1I COMP	L1941307-10	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	150	40	ug/kg
WC-A1I COMP	L1941307-10	NITROBENZENE	9/17/2019		Y	N	U		U	160	27	ug/kg
WC-A1I COMP	L1941307-10	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	17	ug/kg
WC-A1I COMP	L1941307-10	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	150	21	ug/kg
WC-A1I COMP	L1941307-10	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	38	ug/kg
WC-A1I COMP	L1941307-10	BENZO(B)FLUORANTHENE	9/17/2019	31	Y	Y	J		J	110	31	ug/kg
WC-A1I COMP	L1941307-10	CHRYSENE	9/17/2019	25	Y	Y	J		J	110	19	ug/kg
WC-A1I COMP	L1941307-10	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	520	160	ug/kg
WC-A1I COMP	L1941307-10	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	27	ug/kg
WC-A1I COMP	L1941307-10	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	20	ug/kg

SDG: L1941307

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A1I COMP	L1941307-10	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	46	ug/kg
WC-A1I COMP	L1941307-10	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
WC-A1I COMP	L1941307-10	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	21	ug/kg
WC-A1I COMP	L1941307-10	UNKNOWN	9/17/2019	392	Y	Y	J		J			
WC-A1I COMP	L1941307-10	UNKNOWN	9/17/2019	363	Y	Y	J		J			
WC-A1I COMP	L1941307-10	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	35	ug/kg
WC-A1I COMP	L1941307-10	UNKNOWN	9/17/2019	331	Y	Y	J		J			
WC-A1I COMP	L1941307-10	FLUORANTHENE	9/17/2019	48	Y	Y	J		J	110	21	ug/kg
WC-A1I COMP	L1941307-10	PHENANTHRENE	9/17/2019	23	Y	Y	J		J	110	22	ug/kg
WC-A1I COMP	L1941307-10	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	880	85	ug/kg
WC-A1I COMP	L1941307-10	PYRENE	9/17/2019	41	Y	Y	J		J	110	18	ug/kg
WC-A1I COMP	L1941307-10	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	36	ug/kg
WC-A1I COMP	L1941307-10	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	19	ug/kg
WC-A1I COMP	L1941307-10	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	31	ug/kg
WC-A1I COMP	L1941307-10	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	33	ug/kg
WC-A1I COMP	L1941307-10	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
WC-A1I COMP	L1941307-10	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	60	ug/kg
WC-A1I COMP	L1941307-10	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	29	ug/kg
WC-A1I COMP	L1941307-10	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	35	ug/kg
WC-A1I COMP	L1941307-10	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	35	ug/kg
WC-A1I COMP	L1941307-10	1,4-DIOXANE	9/17/2019		Y	N	U		U	27	8.4	ug/kg
WC-A1I COMP	L1941307-10	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
WC-A1I COMP	L1941307-10	TOTAL TIC COMPOUNDS	9/17/2019	1090	Y	Y	J		J			
WC-A1I COMP	L1941307-10	3-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
WC-A1I COMP	L1941307-10	ANTHRACENE	9/17/2019		Y	N	U		U	110	36	ug/kg

SDG: L1941307

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A1I COMP	L1941307-10	ACETOPHENONE	9/17/2019		Y	N	U		U	180	23	ug/kg
WC-A1I COMP	L1941307-10	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	150	28	ug/kg
WC-A1I COMP	L1941307-10	ACENAPHTHENE	9/17/2019		Y	N	U		U	150	19	ug/kg
WC-A1I COMP	L1941307-10	4-NITROPHENOL	9/17/2019		Y	N	U		U	260	75	ug/kg
WC-A1I COMP	L1941307-10	4-NITROANILINE	9/17/2019		Y	N	U		U	180	76	ug/kg
WC-A1I COMP	L1941307-10	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	20	ug/kg
WC-A1I COMP	L1941307-10	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	33	ug/kg
WC-A1I COMP	L1941307-10	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	150	45	ug/kg
WC-A1I COMP	L1941307-10	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	480	88	ug/kg
WC-A1I COMP	L1941307-10	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	150	30	ug/kg
WC-A1I COMP	L1941307-10	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	260	29	ug/kg
WC-A1I COMP	L1941307-10	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	49	ug/kg
WC-A1I COMP	L1941307-10	2-NITROPHENOL	9/17/2019		Y	N	U		U	400	69	ug/kg
WC-A1I COMP	L1941307-10	2-NITROANILINE	9/17/2019		Y	N	U		U	180	35	ug/kg
WC-A1I COMP	L1941307-10	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
WC-A1I COMP	L1941307-10	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	220	22	ug/kg
WC-A1I COMP	L1941307-10	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	22	ug/kg
WC-A1I COMP	L1941307-10	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
WC-A1I COMP	L1941307-10	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	28	ug/kg
WC-A1II COMP	L1941307-12	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	22	ug/kg
WC-A1II COMP	L1941307-12	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
WC-A1II COMP	L1941307-12	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
WC-A1II COMP	L1941307-12	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	220	22	ug/kg
WC-A1II COMP	L1941307-12	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	33	ug/kg
WC-A1II COMP	L1941307-12	NITROBENZENE	9/17/2019		Y	N	U		U	160	27	ug/kg

SDG: L1941307

Analytical Method	SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A1II COMP	L1941307-12	1,4-DIOXANE	9/17/2019		Y	N	U		U	27	8.4	ug/kg
WC-A1II COMP	L1941307-12	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	35	ug/kg
WC-A1II COMP	L1941307-12	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	35	ug/kg
WC-A1II COMP	L1941307-12	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	29	ug/kg
WC-A1II COMP	L1941307-12	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	21	ug/kg
WC-A1II COMP	L1941307-12	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	110	29	ug/kg
WC-A1II COMP	L1941307-12	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
WC-A1II COMP	L1941307-12	2-NITROANILINE	9/17/2019		Y	N	U		U	180	35	ug/kg
WC-A1II COMP	L1941307-12	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	19	ug/kg
WC-A1II COMP	L1941307-12	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	60	ug/kg
WC-A1II COMP	L1941307-12	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	880	85	ug/kg
WC-A1II COMP	L1941307-12	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	36	ug/kg
WC-A1II COMP	L1941307-12	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	31	ug/kg
WC-A1II COMP	L1941307-12	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
WC-A1II COMP	L1941307-12	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	150	21	ug/kg
WC-A1II COMP	L1941307-12	3-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
WC-A1II COMP	L1941307-12	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	470	88	ug/kg
WC-A1II COMP	L1941307-12	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	28	ug/kg
WC-A1II COMP	L1941307-12	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	33	ug/kg
WC-A1II COMP	L1941307-12	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	20	ug/kg
WC-A1II COMP	L1941307-12	4-NITROANILINE	9/17/2019		Y	N	U		U	180	76	ug/kg
WC-A1II COMP	L1941307-12	4-NITROPHENOL	9/17/2019		Y	N	U		U	260	74	ug/kg
WC-A1II COMP	L1941307-12	ACENAPHTHENE	9/17/2019		Y	N	U		U	150	19	ug/kg
WC-A1II COMP	L1941307-12	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	150	28	ug/kg
WC-A1II COMP	L1941307-12	ACETOPHENONE	9/17/2019		Y	N	U		U	180	23	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A1II COMP	L1941307-12	ANTHRACENE	9/17/2019		Y	N	U		U	110	36	ug/kg
WC-A1II COMP	L1941307-12	BENZO(A)ANTHRACENE	9/17/2019		Y	N	U		U	110	20	ug/kg
WC-A1II COMP	L1941307-12	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	56	ug/kg
WC-A1II COMP	L1941307-12	BENZO(B)FLUORANTHENE	9/17/2019		Y	N	U		U	110	31	ug/kg
WC-A1II COMP	L1941307-12	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	35	ug/kg
WC-A1II COMP	L1941307-12	BENZOIC ACID	9/17/2019		Y	N	U		U	590	180	ug/kg
WC-A1II COMP	L1941307-12	BIPHENYL	9/17/2019		Y	N	U		U	420	42	ug/kg
WC-A1II COMP	L1941307-12	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	200	18	ug/kg
WC-A1II COMP	L1941307-12	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	25	ug/kg
WC-A1II COMP	L1941307-12	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	260	28	ug/kg
WC-A1II COMP	L1941307-12	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	48	ug/kg
WC-A1II COMP	L1941307-12	2-NITROPHENOL	9/17/2019		Y	N	U		U	390	69	ug/kg
WC-A1II COMP	L1941307-12	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	220	31	ug/kg
WC-A1II COMP	L1941307-12	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	63	ug/kg
WC-A1II COMP	L1941307-12	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	46	ug/kg
WC-A1II COMP	L1941307-12	CARBAZOLE	9/17/2019		Y	N	U		U	180	18	ug/kg
WC-A1II COMP	L1941307-12	CHRYSENE	9/17/2019		Y	N	U		U	110	19	ug/kg
WC-A1II COMP	L1941307-12	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	150	44	ug/kg
WC-A1II COMP	L1941307-12	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	28	ug/kg
WC-A1II COMP	L1941307-12	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	520	160	ug/kg
WC-A1II COMP	L1941307-12	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	150	30	ug/kg
WC-A1II COMP	L1941307-12	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	150	25	ug/kg
WC-A1II COMP	L1941307-12	ISOPHORONE	9/17/2019		Y	N	U		U	160	24	ug/kg
WC-A1II COMP	L1941307-12	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
WC-A1II COMP	L1941307-12	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	27	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A1II COMP	L1941307-12	UNKNOWN	9/17/2019	288	Y	Y	J		J			
WC-A1II COMP	L1941307-12	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	150	40	ug/kg
WC-A1II COMP	L1941307-12	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	27	ug/kg
WC-A1II COMP	L1941307-12	FLUORANTHENE	9/17/2019	34	Y	Y	J		J	110	21	ug/kg
WC-A1II COMP	L1941307-12	PYRENE	9/17/2019	28	Y	Y	J		J	110	18	ug/kg
WC-A1II COMP	L1941307-12	TOTAL TIC COMPOUNDS	9/17/2019	597	Y	Y	J		J			
WC-A1II COMP	L1941307-12	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	150	21	ug/kg
WC-A1II COMP	L1941307-12	UNKNOWN	9/17/2019	309	Y	Y	J		J			
WC-A1II COMP	L1941307-12	PHENANTHRENE	9/17/2019		Y	N	U		U	110	22	ug/kg
WC-A1II COMP	L1941307-12	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	62	ug/kg
WC-A1II COMP	L1941307-12	FLUORENE	9/17/2019		Y	N	U		U	180	18	ug/kg
WC-A1II COMP	L1941307-12	PHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
WC-A1II COMP	L1941307-12	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	20	ug/kg
WC-A1II COMP	L1941307-12	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	38	ug/kg
WC-A1II COMP	L1941307-12	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	17	ug/kg
WC-A1II COMP	L1941307-12	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	17	ug/kg
WC-A1II COMP	L1941307-12	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	110	21	ug/kg
WC-A2I COMP	L1941307-01	FLUORENE	9/17/2019		Y	N	U		U	180	17	ug/kg
WC-A2I COMP	L1941307-01	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	37	ug/kg
WC-A2I COMP	L1941307-01	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	21	ug/kg
WC-A2I COMP	L1941307-01	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	210	21	ug/kg
WC-A2I COMP	L1941307-01	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	20	ug/kg
WC-A2I COMP	L1941307-01	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
WC-A2I COMP	L1941307-01	2-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
WC-A2I COMP	L1941307-01	2-NITROPHENOL	9/17/2019		Y	N	U		U	380	67	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A2I COMP	L1941307-01	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	16	ug/kg
WC-A2I COMP	L1941307-01	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	34	ug/kg
WC-A2I COMP	L1941307-01	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	26	ug/kg
WC-A2I COMP	L1941307-01	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	18	ug/kg
WC-A2I COMP	L1941307-01	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	20	ug/kg
WC-A2I COMP	L1941307-01	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
WC-A2I COMP	L1941307-01	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	30	ug/kg
WC-A2I COMP	L1941307-01	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
WC-A2I COMP	L1941307-01	1,4-DIOXANE	9/17/2019		Y	N	U		U	27	8.2	ug/kg
WC-A2I COMP	L1941307-01	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	47	ug/kg
WC-A2I COMP	L1941307-01	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	34	ug/kg
WC-A2I COMP	L1941307-01	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	28	ug/kg
WC-A2I COMP	L1941307-01	NITROBENZENE	9/17/2019		Y	N	U		U	160	26	ug/kg
WC-A2I COMP	L1941307-01	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	850	83	ug/kg
WC-A2I COMP	L1941307-01	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	19	ug/kg
WC-A2I COMP	L1941307-01	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	30	ug/kg
WC-A2I COMP	L1941307-01	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
WC-A2I COMP	L1941307-01	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	110	28	ug/kg
WC-A2I COMP	L1941307-01	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	34	ug/kg
WC-A2I COMP	L1941307-01	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	60	ug/kg
WC-A2I COMP	L1941307-01	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	110	20	ug/kg
WC-A2I COMP	L1941307-01	CARBAZOLE	9/17/2019		Y	N	U		U	180	17	ug/kg
WC-A2I COMP	L1941307-01	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	45	ug/kg
WC-A2I COMP	L1941307-01	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	61	ug/kg
WC-A2I COMP	L1941307-01	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	210	30	ug/kg

SDG: L1941307

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A2I COMP	L1941307-01	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	24	ug/kg
WC-A2I COMP	L1941307-01	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	190	18	ug/kg
WC-A2I COMP	L1941307-01	BIPHENYL	9/17/2019		Y	N	U		U	400	41	ug/kg
WC-A2I COMP	L1941307-01	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	27	ug/kg
WC-A2I COMP	L1941307-01	BENZOIC ACID	9/17/2019		Y	N	U		U	580	180	ug/kg
WC-A2I COMP	L1941307-01	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	260	28	ug/kg
WC-A2I COMP	L1941307-01	ANTHRACENE	9/17/2019		Y	N	U		U	110	35	ug/kg
WC-A2I COMP	L1941307-01	ACETOPHENONE	9/17/2019		Y	N	U		U	180	22	ug/kg
WC-A2I COMP	L1941307-01	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	140	27	ug/kg
WC-A2I COMP	L1941307-01	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	17	ug/kg
WC-A2I COMP	L1941307-01	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	59	ug/kg
WC-A2I COMP	L1941307-01	ACENAPHTHENE	9/17/2019		Y	N	U		U	140	18	ug/kg
WC-A2I COMP	L1941307-01	4-NITROPHENOL	9/17/2019		Y	N	U		U	250	72	ug/kg
WC-A2I COMP	L1941307-01	4-NITROANILINE	9/17/2019		Y	N	U		U	180	74	ug/kg
WC-A2I COMP	L1941307-01	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	32	ug/kg
WC-A2I COMP	L1941307-01	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	460	85	ug/kg
WC-A2I COMP	L1941307-01	3-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
WC-A2I COMP	L1941307-01	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	54	ug/kg
WC-A2I COMP	L1941307-01	FLUORANTHENE	9/17/2019	150	Y	Y				110	20	ug/kg
WC-A2I COMP	L1941307-01	BENZO(GHI)PERYLENE	9/17/2019	39	Y	Y	J		J	140	21	ug/kg
WC-A2I COMP	L1941307-01	CHRYSENE	9/17/2019	95	Y	Y	J		J	110	18	ug/kg
WC-A2I COMP	L1941307-01	INDENO(1,2,3-CD)PYRENE	9/17/2019	40	Y	Y	J		J	140	25	ug/kg
WC-A2I COMP	L1941307-01	TOTAL TIC COMPOUNDS	9/17/2019	1820	Y	Y	J		J			
WC-A2I COMP	L1941307-01	UNKNOWN	9/17/2019	599	Y	Y	J		J			
WC-A2I COMP	L1941307-01	UNKNOWN	9/17/2019	628	Y	Y	J		J			

SDG: L1941307

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A2I COMP	L1941307-01	UNKNOWN	9/17/2019	346	Y	Y	J		J			
WC-A2I COMP	L1941307-01	UNKNOWN AMINE	9/17/2019	245	Y	Y	J		J			
WC-A2I COMP	L1941307-01	BENZO(B)FLUORANTHENE	9/17/2019	84	Y	Y	J		J	110	30	ug/kg
WC-A2I COMP	L1941307-01	PHENANTHRENE	9/17/2019	130	Y	Y				110	22	ug/kg
WC-A2I COMP	L1941307-01	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	29	ug/kg
WC-A2I COMP	L1941307-01	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	26	ug/kg
WC-A2I COMP	L1941307-01	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	27	ug/kg
WC-A2I COMP	L1941307-01	PHENOL	9/17/2019		Y	N	U		U	180	27	ug/kg
WC-A2I COMP	L1941307-01	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	39	ug/kg
WC-A2I COMP	L1941307-01	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	510	160	ug/kg
WC-A2I COMP	L1941307-01	ISOPHORONE	9/17/2019		Y	N	U		U	160	23	ug/kg
WC-A2I COMP	L1941307-01	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	36	ug/kg
WC-A2I COMP	L1941307-01	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
WC-A2I COMP	L1941307-01	PYRENE	9/17/2019	150	Y	Y				110	18	ug/kg
WC-A2I COMP	L1941307-01	BENZO(A)ANTHRACENE	9/17/2019	83	Y	Y	J		J	110	20	ug/kg
WC-A2I COMP	L1941307-01	BENZO(A)PYRENE	9/17/2019	61	Y	Y	J		J	140	43	ug/kg
WC-A2I COMP	L1941307-01	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	20	ug/kg
WC-A2II COMP	L1941307-04	FLUORANTHENE	9/16/2019		Y	N	U		U	110	22	ug/kg
WC-A2II COMP	L1941307-04	CARBAZOLE	9/16/2019		Y	N	U		U	190	18	ug/kg
WC-A2II COMP	L1941307-04	CHRYSENE	9/16/2019		Y	N	U		U	110	20	ug/kg
WC-A2II COMP	L1941307-04	1,2,4,5-TETRACHLOROBENZENE	9/16/2019		Y	N	U		U	190	20	ug/kg
WC-A2II COMP	L1941307-04	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	190	22	ug/kg
WC-A2II COMP	L1941307-04	DI-N-BUTYLPHTHALATE	9/16/2019		Y	N	U		U	190	36	ug/kg
WC-A2II COMP	L1941307-04	DI-N-OCTYLPHTHALATE	9/16/2019		Y	N	U		U	190	64	ug/kg
WC-A2II COMP	L1941307-04	DIBENZO(A,H)ANTHRACENE	9/16/2019		Y	N	U		U	110	22	ug/kg

SDG: L1941307

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A2II COMP	L1941307-04	DIBENZOFURAN	9/16/2019		Y	N	U		U	190	18	ug/kg
WC-A2II COMP	L1941307-04	DIMETHYL PHTHALATE	9/16/2019		Y	N	U		U	190	40	ug/kg
WC-A2II COMP	L1941307-04	BIS(2-CHLOROISOPROPYL)ETHER	9/16/2019		Y	N	U	UJ	UJ	230	32	ug/kg
WC-A2II COMP	L1941307-04	FLUORENE	9/16/2019		Y	N	U		U	190	18	ug/kg
WC-A2II COMP	L1941307-04	HEXACHLOROBENZENE	9/16/2019		Y	N	U		U	110	21	ug/kg
WC-A2II COMP	L1941307-04	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	190	28	ug/kg
WC-A2II COMP	L1941307-04	HEXACHLOROCYCLOPENTADIENE	9/16/2019		Y	N	U	UJ	UJ	540	170	ug/kg
WC-A2II COMP	L1941307-04	HEXACHLOROETHANE	9/16/2019		Y	N	U		U	150	31	ug/kg
WC-A2II COMP	L1941307-04	INDENO(1,2,3-CD)PYRENE	9/16/2019		Y	N	U		U	150	26	ug/kg
WC-A2II COMP	L1941307-04	ISOPHORONE	9/16/2019		Y	N	U		U	170	25	ug/kg
WC-A2II COMP	L1941307-04	DIETHYL PHTHALATE	9/16/2019		Y	N	U		U	190	18	ug/kg
WC-A2II COMP	L1941307-04	BENZO(A)PYRENE	9/16/2019		Y	N	U		U	150	46	ug/kg
WC-A2II COMP	L1941307-04	4-BROMOPHENYL PHENYL ETHER	9/16/2019		Y	N	U		U	190	29	ug/kg
WC-A2II COMP	L1941307-04	4-CHLOROANILINE	9/16/2019		Y	N	U		U	190	34	ug/kg
WC-A2II COMP	L1941307-04	4-CHLOROPHENYL PHENYL ETHER	9/16/2019		Y	N	U		U	190	20	ug/kg
WC-A2II COMP	L1941307-04	4-NITROANILINE	9/16/2019		Y	N	U		U	190	79	ug/kg
WC-A2II COMP	L1941307-04	4-NITROPHENOL	9/16/2019		Y	N	U		U	260	78	ug/kg
WC-A2II COMP	L1941307-04	ACENAPHTHENE	9/16/2019		Y	N	U		U	150	20	ug/kg
WC-A2II COMP	L1941307-04	ACENAPHTHYLENE	9/16/2019		Y	N	U		U	150	29	ug/kg
WC-A2II COMP	L1941307-04	ACETOPHENONE	9/16/2019		Y	N	U		U	190	24	ug/kg
WC-A2II COMP	L1941307-04	BUTYL BENZYL PHTHALATE	9/16/2019		Y	N	U		U	190	48	ug/kg
WC-A2II COMP	L1941307-04	BENZO(A)ANTHRACENE	9/16/2019		Y	N	U		U	110	21	ug/kg
WC-A2II COMP	L1941307-04	BIS(2-ETHYLHEXYL)PHTHALATE	9/16/2019		Y	N	U		U	190	66	ug/kg
WC-A2II COMP	L1941307-04	BENZO(B)FLUORANTHENE	9/16/2019		Y	N	U		U	110	32	ug/kg
WC-A2II COMP	L1941307-04	BENZO(GHI)PERYLENE	9/16/2019		Y	N	U		U	150	22	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A2II COMP	L1941307-04	BENZO(K)FLUORANTHENE	9/16/2019		Y	N	U		U	110	30	ug/kg
WC-A2II COMP	L1941307-04	BENZOIC ACID	9/16/2019		Y	N	U		U	620	190	ug/kg
WC-A2II COMP	L1941307-04	BENZYL ALCOHOL	9/16/2019		Y	N	U		U	190	58	ug/kg
WC-A2II COMP	L1941307-04	BIPHENYL	9/16/2019		Y	N	U		U	430	44	ug/kg
WC-A2II COMP	L1941307-04	BIS(2-CHLOROETHOXY)METHANE	9/16/2019		Y	N	U		U	200	19	ug/kg
WC-A2II COMP	L1941307-04	BIS(2-CHLOROETHYL)ETHER	9/16/2019		Y	N	U		U	170	26	ug/kg
WC-A2II COMP	L1941307-04	NITROBENZENE	9/16/2019		Y	N	U		U	170	28	ug/kg
WC-A2II COMP	L1941307-04	ANTHRACENE	9/16/2019		Y	N	U		U	110	37	ug/kg
WC-A2II COMP	L1941307-04	UNKNOWN	9/16/2019	172	Y	Y	J		J			
WC-A2II COMP	L1941307-04	2,4-DICHLOROPHENOL	9/16/2019		Y	N	U		U	170	30	ug/kg
WC-A2II COMP	L1941307-04	NAPHTHALENE	9/16/2019		Y	N	U		U	190	23	ug/kg
WC-A2II COMP	L1941307-04	1,4-DIOXANE	9/16/2019		Y	N	U		U	28	8.7	ug/kg
WC-A2II COMP	L1941307-04	NITROSODIPHENYLAMINE(NDPA)/DPA	9/16/2019		Y	N	U		U	150	22	ug/kg
WC-A2II COMP	L1941307-04	2,4,5-TRICHLOROPHENOL	9/16/2019		Y	N	U		U	190	36	ug/kg
WC-A2II COMP	L1941307-04	2,4,6-TRICHLOROPHENOL	9/16/2019		Y	N	U		U	110	36	ug/kg
WC-A2II COMP	L1941307-04	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	190	33	ug/kg
WC-A2II COMP	L1941307-04	UNKNOWN	9/16/2019	184	Y	Y	J		J			
WC-A2II COMP	L1941307-04	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	190	34	ug/kg
WC-A2II COMP	L1941307-04	TOTAL TIC COMPOUNDS	9/16/2019	657	Y	Y	J		J			
WC-A2II COMP	L1941307-04	4,6-DINITRO-O-CRESOL	9/16/2019		Y	N	U		U	490	91	ug/kg
WC-A2II COMP	L1941307-04	2,4-DINITROTOLUENE	9/16/2019		Y	N	U		U	190	38	ug/kg
WC-A2II COMP	L1941307-04	2,4-DINITROPHENOL	9/16/2019		Y	N	U		U	910	88	ug/kg
WC-A2II COMP	L1941307-04	2,4-DIMETHYLPHENOL	9/16/2019		Y	N	U		U	190	63	ug/kg
WC-A2II COMP	L1941307-04	3-NITROANILINE	9/16/2019		Y	N	U		U	190	36	ug/kg
WC-A2II COMP	L1941307-04	UNKNOWN	9/16/2019	301	Y	Y	J		J			

SDG: L1941307

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A2II COMP	L1941307-04	2-NITROANILINE	9/16/2019		Y	N	U		U	190	37	ug/kg
WC-A2II COMP	L1941307-04	PENTACHLOROPHENOL	9/16/2019		Y	N	U		U	150	42	ug/kg
WC-A2II COMP	L1941307-04	PHENANTHRENE	9/16/2019		Y	N	U		U	110	23	ug/kg
WC-A2II COMP	L1941307-04	PHENOL	9/16/2019		Y	N	U		U	190	29	ug/kg
WC-A2II COMP	L1941307-04	PYRENE	9/16/2019		Y	N	U		U	110	19	ug/kg
WC-A2II COMP	L1941307-04	N-NITROSODI-N-PROPYLAMINE	9/16/2019		Y	N	U		U	190	29	ug/kg
WC-A2II COMP	L1941307-04	P-CHLORO-M-CRESOL	9/16/2019		Y	N	U		U	190	28	ug/kg
WC-A2II COMP	L1941307-04	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	190	33	ug/kg
WC-A2II COMP	L1941307-04	2-NITROPHENOL	9/16/2019		Y	N	U		U	410	71	ug/kg
WC-A2II COMP	L1941307-04	3,3'-DICHLOROBENZIDINE	9/16/2019		Y	N	U		U	190	50	ug/kg
WC-A2II COMP	L1941307-04	2-METHYLPHENOL	9/16/2019		Y	N	U		U	190	29	ug/kg
WC-A2II COMP	L1941307-04	2-METHYLNAPHTHALENE	9/16/2019		Y	N	U		U	230	23	ug/kg
WC-A2II COMP	L1941307-04	2-CHLOROPHENOL	9/16/2019		Y	N	U		U	190	22	ug/kg
WC-A2II COMP	L1941307-04	2-CHLORONAPHTHALENE	9/16/2019		Y	N	U		U	190	19	ug/kg
WC-A2II COMP	L1941307-04	2,6-DINITROTOLUENE	9/16/2019		Y	N	U		U	190	33	ug/kg
WC-A2II COMP	L1941307-04	3-METHYLPHENOL/4-METHYLPHENOL	9/16/2019		Y	N	U		U	270	30	ug/kg
WC-B1I COMP	L1941307-06	TOTAL TIC COMPOUNDS	9/17/2019	794	Y	Y	J		J			
WC-B1I COMP	L1941307-06	BENZO(A)ANTHRACENE	9/17/2019	24	Y	Y	J		J	110	20	ug/kg
WC-B1I COMP	L1941307-06	FLUORANTHENE	9/17/2019	46	Y	Y	J		J	110	20	ug/kg
WC-B1I COMP	L1941307-06	PYRENE	9/17/2019	37	Y	Y	J		J	110	18	ug/kg
WC-B1I COMP	L1941307-06	UNKNOWN	9/17/2019	175	Y	Y	J		J			
WC-B1I COMP	L1941307-06	UNKNOWN	9/17/2019	164	Y	Y	J		J			
WC-B1I COMP	L1941307-06	UNKNOWN AMIDE	9/17/2019	455	Y	Y	J		J			
WC-B1I COMP	L1941307-06	PHENANTHRENE	9/17/2019	43	Y	Y	J		J	110	22	ug/kg
WC-B1I COMP	L1941307-06	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	190	18	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B1I COMP	L1941307-06	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	34	ug/kg
WC-B1I COMP	L1941307-06	CHRYSENE	9/17/2019		Y	N	U		U	110	19	ug/kg
WC-B1I COMP	L1941307-06	CARBAZOLE	9/17/2019		Y	N	U		U	180	17	ug/kg
WC-B1I COMP	L1941307-06	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	45	ug/kg
WC-B1I COMP	L1941307-06	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	62	ug/kg
WC-B1I COMP	L1941307-06	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	140	44	ug/kg
WC-B1I COMP	L1941307-06	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	24	ug/kg
WC-B1I COMP	L1941307-06	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	16	ug/kg
WC-B1I COMP	L1941307-06	BIPHENYL	9/17/2019		Y	N	U		U	410	42	ug/kg
WC-B1I COMP	L1941307-06	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	55	ug/kg
WC-B1I COMP	L1941307-06	BENZOIC ACID	9/17/2019		Y	N	U		U	580	180	ug/kg
WC-B1I COMP	L1941307-06	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	110	29	ug/kg
WC-B1I COMP	L1941307-06	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	140	21	ug/kg
WC-B1I COMP	L1941307-06	BENZO(B)FLUORANTHENE	9/17/2019		Y	N	U		U	110	30	ug/kg
WC-B1I COMP	L1941307-06	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	210	30	ug/kg
WC-B1I COMP	L1941307-06	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	140	25	ug/kg
WC-B1I COMP	L1941307-06	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	27	ug/kg
WC-B1I COMP	L1941307-06	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	28	ug/kg
WC-B1I COMP	L1941307-06	PHENOL	9/17/2019		Y	N	U		U	180	27	ug/kg
WC-B1I COMP	L1941307-06	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	39	ug/kg
WC-B1I COMP	L1941307-06	NITROBENZENE	9/17/2019		Y	N	U		U	160	26	ug/kg
WC-B1I COMP	L1941307-06	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
WC-B1I COMP	L1941307-06	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	61	ug/kg
WC-B1I COMP	L1941307-06	ISOPHORONE	9/17/2019		Y	N	U		U	160	23	ug/kg
WC-B1I COMP	L1941307-06	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	110	21	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B1I COMP	L1941307-06	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	29	ug/kg
WC-B1I COMP	L1941307-06	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	510	160	ug/kg
WC-B1I COMP	L1941307-06	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	26	ug/kg
WC-B1I COMP	L1941307-06	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	20	ug/kg
WC-B1I COMP	L1941307-06	FLUORENE	9/17/2019		Y	N	U		U	180	17	ug/kg
WC-B1I COMP	L1941307-06	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	17	ug/kg
WC-B1I COMP	L1941307-06	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	20	ug/kg
WC-B1I COMP	L1941307-06	1,4-DIOXANE	9/17/2019		Y	N	U		U	27	8.2	ug/kg
WC-B1I COMP	L1941307-06	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
WC-B1I COMP	L1941307-06	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	31	ug/kg
WC-B1I COMP	L1941307-06	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	36	ug/kg
WC-B1I COMP	L1941307-06	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	860	83	ug/kg
WC-B1I COMP	L1941307-06	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	19	ug/kg
WC-B1I COMP	L1941307-06	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	21	ug/kg
WC-B1I COMP	L1941307-06	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	34	ug/kg
WC-B1I COMP	L1941307-06	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	59	ug/kg
WC-B1I COMP	L1941307-06	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
WC-B1I COMP	L1941307-06	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
WC-B1I COMP	L1941307-06	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
WC-B1I COMP	L1941307-06	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	20	ug/kg
WC-B1I COMP	L1941307-06	ANTHRACENE	9/17/2019		Y	N	U		U	110	35	ug/kg
WC-B1I COMP	L1941307-06	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	38	ug/kg
WC-B1I COMP	L1941307-06	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	29	ug/kg
WC-B1I COMP	L1941307-06	4-NITROPHENOL	9/17/2019		Y	N	U		U	250	73	ug/kg
WC-B1I COMP	L1941307-06	ACETOPHENONE	9/17/2019		Y	N	U		U	180	22	ug/kg

SDG: L1941307

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B1I COMP	L1941307-06	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	34	ug/kg
WC-B1I COMP	L1941307-06	ACENAPHTHENE	9/17/2019		Y	N	U		U	140	18	ug/kg
WC-B1I COMP	L1941307-06	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	210	22	ug/kg
WC-B1I COMP	L1941307-06	4-NITROANILINE	9/17/2019		Y	N	U		U	180	74	ug/kg
WC-B1I COMP	L1941307-06	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	19	ug/kg
WC-B1I COMP	L1941307-06	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	32	ug/kg
WC-B1I COMP	L1941307-06	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	27	ug/kg
WC-B1I COMP	L1941307-06	2-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
WC-B1I COMP	L1941307-06	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	140	28	ug/kg
WC-B1I COMP	L1941307-06	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	460	86	ug/kg
WC-B1I COMP	L1941307-06	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
WC-B1I COMP	L1941307-06	2-NITROPHENOL	9/17/2019		Y	N	U		U	390	67	ug/kg
WC-B1I COMP	L1941307-06	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	48	ug/kg
WC-B1I COMP	L1941307-06	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	260	28	ug/kg
WC-B1I COMP	L1941307-06	3-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
WC-B1II COMP	L1941307-08	PHENOL	9/16/2019		Y	N	U		U	180	27	ug/kg
WC-B1II COMP	L1941307-08	HEXACHLOROBENZENE	9/16/2019		Y	N	U		U	110	20	ug/kg
WC-B1II COMP	L1941307-08	ISOPHORONE	9/16/2019		Y	N	U		U	160	23	ug/kg
WC-B1II COMP	L1941307-08	PENTACHLOROPHENOL	9/16/2019		Y	N	U		U	140	39	ug/kg
WC-B1II COMP	L1941307-08	NITROBENZENE	9/16/2019		Y	N	U		U	160	26	ug/kg
WC-B1II COMP	L1941307-08	NAPHTHALENE	9/16/2019		Y	N	U		U	180	22	ug/kg
WC-B1II COMP	L1941307-08	PYRENE	9/16/2019		Y	N	U		U	110	18	ug/kg
WC-B1II COMP	L1941307-08	NITROSODIPHENYLAMINE(NDPA)/DPA	9/16/2019		Y	N	U		U	140	20	ug/kg
WC-B1II COMP	L1941307-08	PHENANTHRENE	9/16/2019		Y	N	U		U	110	22	ug/kg
WC-B1II COMP	L1941307-08	INDENO(1,2,3-CD)PYRENE	9/16/2019		Y	N	U		U	140	25	ug/kg

SDG: L1941307

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B1II COMP	L1941307-08	HEXACHLOROETHANE	9/16/2019		Y	N	U		U	140	29	ug/kg
WC-B1II COMP	L1941307-08	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	180	26	ug/kg
WC-B1II COMP	L1941307-08	DIETHYL PHTHALATE	9/16/2019		Y	N	U		U	180	16	ug/kg
WC-B1II COMP	L1941307-08	FLUORENE	9/16/2019		Y	N	U		U	180	17	ug/kg
WC-B1II COMP	L1941307-08	DIMETHYL PHTHALATE	9/16/2019		Y	N	U		U	180	37	ug/kg
WC-B1II COMP	L1941307-08	FLUORANTHENE	9/16/2019		Y	N	U		U	110	20	ug/kg
WC-B1II COMP	L1941307-08	N-NITROSODI-N-PROPYLAMINE	9/16/2019		Y	N	U		U	180	28	ug/kg
WC-B1II COMP	L1941307-08	HEXACHLOROCYCLOPENTADIENE	9/16/2019		Y	N	U	UJ	UJ	510	160	ug/kg
WC-B1II COMP	L1941307-08	2,4-DICHLOROPHENOL	9/16/2019		Y	N	U		U	160	29	ug/kg
WC-B1II COMP	L1941307-08	3,3'-DICHLOROBENZIDINE	9/16/2019		Y	N	U		U	180	47	ug/kg
WC-B1II COMP	L1941307-08	DIBENZOFURAN	9/16/2019		Y	N	U		U	180	17	ug/kg
WC-B1II COMP	L1941307-08	1,2,4,5-TETRACHLOROBENZENE	9/16/2019		Y	N	U		U	180	19	ug/kg
WC-B1II COMP	L1941307-08	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	180	20	ug/kg
WC-B1II COMP	L1941307-08	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	180	31	ug/kg
WC-B1II COMP	L1941307-08	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	180	31	ug/kg
WC-B1II COMP	L1941307-08	1,4-DIOXANE	9/16/2019		Y	N	U		U	27	8.2	ug/kg
WC-B1II COMP	L1941307-08	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	180	32	ug/kg
WC-B1II COMP	L1941307-08	2,4,6-TRICHLOROPHENOL	9/16/2019		Y	N	U		U	110	34	ug/kg
WC-B1II COMP	L1941307-08	P-CHLORO-M-CRESOL	9/16/2019		Y	N	U		U	180	26	ug/kg
WC-B1II COMP	L1941307-08	2,4-DIMETHYLPHENOL	9/16/2019		Y	N	U		U	180	59	ug/kg
WC-B1II COMP	L1941307-08	2,4-DINITROPHENOL	9/16/2019		Y	N	U		U	860	83	ug/kg
WC-B1II COMP	L1941307-08	2,4-DINITROTOLUENE	9/16/2019		Y	N	U		U	180	36	ug/kg
WC-B1II COMP	L1941307-08	2,6-DINITROTOLUENE	9/16/2019		Y	N	U		U	180	30	ug/kg
WC-B1II COMP	L1941307-08	2-CHLORONAPHTHALENE	9/16/2019		Y	N	U		U	180	18	ug/kg
WC-B1II COMP	L1941307-08	2-CHLOROPHENOL	9/16/2019		Y	N	U		U	180	21	ug/kg

SDG: L1941307

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B1II COMP	L1941307-08	2-METHYLNAPHTHALENE	9/16/2019		Y	N	U		U	210	22	ug/kg
WC-B1II COMP	L1941307-08	2,4,5-TRICHLOROPHENOL	9/16/2019		Y	N	U		U	180	34	ug/kg
WC-B1II COMP	L1941307-08	4-CHLOROPHENYL PHENYL ETHER	9/16/2019		Y	N	U		U	180	19	ug/kg
WC-B1II COMP	L1941307-08	DIBENZO(A,H)ANTHRACENE	9/16/2019		Y	N	U		U	110	21	ug/kg
WC-B1II COMP	L1941307-08	ANTHRACENE	9/16/2019		Y	N	U		U	110	35	ug/kg
WC-B1II COMP	L1941307-08	3-NITROANILINE	9/16/2019		Y	N	U		U	180	34	ug/kg
WC-B1II COMP	L1941307-08	ACETOPHENONE	9/16/2019		Y	N	U		U	180	22	ug/kg
WC-B1II COMP	L1941307-08	ACENAPHTHYLENE	9/16/2019		Y	N	U		U	140	28	ug/kg
WC-B1II COMP	L1941307-08	ACENAPHTHENE	9/16/2019		Y	N	U		U	140	18	ug/kg
WC-B1II COMP	L1941307-08	TOTAL TIC COMPOUNDS	9/16/2019	187	Y	Y	J		J			
WC-B1II COMP	L1941307-08	4-NITROANILINE	9/16/2019		Y	N	U		U	180	74	ug/kg
WC-B1II COMP	L1941307-08	UNKNOWN AMIDE	9/16/2019	187	Y	Y	J		J			
WC-B1II COMP	L1941307-08	4-CHLOROANILINE	9/16/2019		Y	N	U		U	180	32	ug/kg
WC-B1II COMP	L1941307-08	4-BROMOPHENYL PHENYL ETHER	9/16/2019		Y	N	U		U	180	27	ug/kg
WC-B1II COMP	L1941307-08	4,6-DINITRO-O-CRESOL	9/16/2019		Y	N	U		U	460	86	ug/kg
WC-B1II COMP	L1941307-08	3-METHYLPHENOL/4-METHYLPHENOL	9/16/2019		Y	N	U		U	260	28	ug/kg
WC-B1II COMP	L1941307-08	2-NITROPHENOL	9/16/2019		Y	N	U		U	380	67	ug/kg
WC-B1II COMP	L1941307-08	2-NITROANILINE	9/16/2019		Y	N	U		U	180	34	ug/kg
WC-B1II COMP	L1941307-08	2-METHYLPHENOL	9/16/2019		Y	N	U		U	180	28	ug/kg
WC-B1II COMP	L1941307-08	4-NITROPHENOL	9/16/2019		Y	N	U		U	250	73	ug/kg
WC-B1II COMP	L1941307-08	BIS(2-CHLOROETHYL)ETHER	9/16/2019		Y	N	U		U	160	24	ug/kg
WC-B1II COMP	L1941307-08	DI-N-OCTYLPHTHALATE	9/16/2019		Y	N	U		U	180	61	ug/kg
WC-B1II COMP	L1941307-08	DI-N-BUTYLPHTHALATE	9/16/2019		Y	N	U		U	180	34	ug/kg
WC-B1II COMP	L1941307-08	CHRYSENE	9/16/2019		Y	N	U		U	110	18	ug/kg
WC-B1II COMP	L1941307-08	CARBAZOLE	9/16/2019		Y	N	U		U	180	17	ug/kg

Analytical Method	SW8270D											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
WC-B1II COMP	L1941307-08	BUTYL BENZYL PHTHALATE	9/16/2019		Y	N	U		U	180	45	ug/kg
WC-B1II COMP	L1941307-08	BIS(2-CHLOROISOPROPYL)ETHER	9/16/2019		Y	N	U	UJ	UJ	210	30	ug/kg
WC-B1II COMP	L1941307-08	BENZO(A)ANTHRACENE	9/16/2019		Y	N	U		U	110	20	ug/kg
WC-B1II COMP	L1941307-08	BIS(2-CHLOROETHOXY)METHANE	9/16/2019		Y	N	U		U	190	18	ug/kg
WC-B1II COMP	L1941307-08	BIPHENYL	9/16/2019		Y	N	U		U	410	41	ug/kg
WC-B1II COMP	L1941307-08	BENZYL ALCOHOL	9/16/2019		Y	N	U		U	180	54	ug/kg
WC-B1II COMP	L1941307-08	BENZOIC ACID	9/16/2019		Y	N	U		U	580	180	ug/kg
WC-B1II COMP	L1941307-08	BENZO(K)FLUORANTHENE	9/16/2019		Y	N	U		U	110	28	ug/kg
WC-B1II COMP	L1941307-08	BENZO(GHI)PERYLENE	9/16/2019		Y	N	U		U	140	21	ug/kg
WC-B1II COMP	L1941307-08	BENZO(B)FLUORANTHENE	9/16/2019		Y	N	U		U	110	30	ug/kg
WC-B1II COMP	L1941307-08	BENZO(A)PYRENE	9/16/2019		Y	N	U		U	140	43	ug/kg
WC-B1II COMP	L1941307-08	BIS(2-ETHYLHEXYL)PHTHALATE	9/16/2019		Y	N	U		U	180	62	ug/kg

Analytical Method	SW9012B											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
WC-A1I COMP	L1941307-10	CYANIDE, TOTAL	9/12/2019		Y	N	U		U	1.0	0.22	mg/kg
WC-A1II COMP	L1941307-12	CYANIDE, TOTAL	9/12/2019		Y	N	U		U	1.0	0.22	mg/kg
WC-A2I COMP	L1941307-01	CYANIDE, TOTAL	9/11/2019		Y	N	U		U	1.0	0.21	mg/kg
WC-A2II COMP	L1941307-04	CYANIDE, TOTAL	9/11/2019		Y	N	U		U	1.1	0.24	mg/kg
WC-B1I COMP	L1941307-06	CYANIDE, TOTAL	9/12/2019		Y	N	U		U	1.1	0.23	mg/kg
WC-B1II COMP	L1941307-08	CYANIDE, TOTAL	9/12/2019		Y	N	U		U	1.0	0.22	mg/kg

Site: 33 Centre Avenue
Laboratory: Alpha Analytical, Inc.
Report No.: L1941309
Reviewer: Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date: November 26, 2019

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
B-2 (3-4)	L1941309-01	VOC, SVOC, Pesticide, PCB, PFAS
B-2 (6-7)	L1941309-02	VOC, SVOC, Pesticide, PCB, PFAS
B-7 (1-2)	L1941309-03	VOC, SVOC, Pesticide, PCB, PFAS
B-16 (3-4)	L1941309-04	VOC, SVOC, Pesticide, PCB, PFAS
B-16 (7-8)	L1941309-05	VOC, SVOC, Pesticide, PCB, PFAS
B-16 (7-8)RE	L1941309-05RE	VOC
B-1 (2-3)	L1941309-06	VOC, SVOC, Pesticide, PCB, PFAS
B-1 (5-6)	L1941309-07	VOC, SVOC, Pesticide, PCB, PFAS
B-1 (10-11)	L1941309-08	VOC, SVOC, Pesticide, PCB, PFAS
B-11 (6-7)	L1941309-09	VOC, SVOC, Pesticide, PCB, PFAS
B-11 (0-1)	L1941309-10	VOC, SVOC, Pesticide, PCB, PFAS
B-6 (10-11)	L1941309-11	VOC, SVOC, Pesticide, PCB, PFAS
B-6 (7-8)	L1941309-12	VOC, SVOC, Pesticide, PCB, PFAS
B-6 (1-2)	L1941309-13	VOC, SVOC, Pesticide, PCB, PFAS
B-10 (2-3)	L1941309-14	VOC, SVOC, Pesticide, PCB, PFAS
B-10 (7-8)	L1941309-15	VOC, SVOC, Pesticide, PCB, PFAS
B-10 (11-12)	L1941309-16	VOC, SVOC, Pesticide, PCB, PFAS
B-15 (3-4)	L1941309-17	VOC, SVOC, Pesticide, PCB, PFAS
B-15 (3-4)RE	L1941309-17RE	VOC
B-15 (6-7)	L1941309-18	VOC, SVOC, Pesticide, PCB, PFAS
B-15 (6-7)RE	L1941309-18RE	VOC
FB	L1941309-19	PFAS
B-2 (3-4)MS	L1941309-01MS	PFAS
B-2 (6-7)DUP	L1941309-02DUP	PFAS

Associated QC Samples(s):
Field/Trip Blanks: FB
Field Duplicate pair: None Associated

The above-listed soil and water samples were collected on September 10, 2019 and were analyzed for volatile organic compounds (VOC) by SW-846 method 8260C, semivolatile organic compounds (SVOC) by SW-846 method 8270D, chlorinated pesticides by SW 846 method 8081B, polychlorinated biphenyls (PCB) by SW-846 method 8082A, and perfluoroalkyl and polyfluoroalkyl substances (PFAS) by method 537 modified. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C,* SOP HW-24, Revision 4 (October 2014), the USEPA Region 2 *Standard Operating Procedure for Semivolatile Data Validation SW-846 Method 8270D,* SOP HW-35A, Revision 0 (June 2015), the USEPA Region 2 *Standard Operating Procedure for Validating Pesticide Compounds, Organochlorine Pesticides by Gas Chromatography SW-846 Method 8081B,* SOP HW-44, Revision 1.1 (December 2010), the USEPA Region 2 *Standard Operating Procedure for Validating PCB Compounds, PCBs by Gas Chromatography SW-846 Method 8082A,* SOP HW-45, Revision 1 (October 2006), the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-2017-002 (January 2017), and the USEPA Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFAS) Analyzed Using EPA Method 537 (November 2018), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- GC/Electron Capture Detector (GC/ECD) Instrument Performance Checks
- Liquid Chromatography/Mass Spectrometry (LC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Duplicate Results
- Laboratory Control Sample (LCS) Results
- Internal Standards/Labeled Compounds
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers with the exception listed below.

Samples B-16 (7-8), B-15 (3-4), and B-15 (6-7) were re-analyzed for VOC at medium level since the acetone results were over the calibration range in the low level analysis. All the acetone results were non-detect in the re-analysis. For all VOC results in samples B-16 (7-8), B-15 (3-4),

and B-15 (6-7), the original results should be considered the most usable. The VOC results should not be considered usable for samples B-16 (7-8)RE, B-15 (3-4)RE, and B-15 (6-7)RE.

The PFAS nondetect results for perfluorotridecanoic acid in samples B-2 (3-4) and B-1 (5-6) were rejected (R) due to severely low labeled compound percent recoveries. The results are not usable for project objectives, which may have a major impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

VOC and SVOC

All criteria were met.

GC/ECD Instrument Performance Checks

Pesticide and PCB

All criteria were met.

LC/MS Tunes

PFAS

All criteria were met.

Initial and Continuing Calibrations

VOC

Initial calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
06/21/19	ICAL-VOA123	1,4-Dioxane	0.00343 (≥0.005)	B-2 (3-4) B-2 (6-7) B-7 (1-2) B-16 (3-4) B-16 (7-8) B-1 (2-3) B-1 (5-6) B-1 (10-11) B-11 (6-7) B-11 (0-1) B-6 (10-11) B-6 (7-8) B-6 (1-2) B-10 (2-3) B-10 (7-8) B-10 (11-12) B-15 (3-4) B-15 (6-7)	+	UJ nondetects
07/26/19	ICAL-VOA117	1,4-Dioxane	0.00149 (≥0.005)	B-16 (7-8)DL B-15 (3-4)DL B-15 (6-7)DL	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane results were estimated due to response factor exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Date	Instrument ID	Compound	ICV %D	Associated Samples		Validation Action
07/27/19	ICV-VOA117	Dichlorodifluoromethane	75.3	B-16 (7-8)DL B-15 (3-4)DL B-15 (6-7)DL	XX XX XX	UJ nondetects UJ nondetects UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The dichlorodifluoromethane results were estimated due to second source calibration exceedance. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
09/15/19	CCV-VOA123	Chloromethane	28.4	B-2 (6-7)	XX	J detects/UJ nondetects
		Acetone	21.3	B-16 (7-8)	XX	J detects/UJ nondetects
				B-1 (2-3)		
				B-1 (5-6)		
				B-1 (10-11)		
09/16/19	CCV-VOA123	Acetone	21.3	B-2 (3-4)	XX	J detects/UJ nondetects
				B-7 (1-2)		
				B-16 (3-4)		
				B-11 (6-7)		
				B-11 (0-1)		
				B-6 (10-11)		
				B-6 (7-8)		
				B-6 (1-2)		
				B-10 (2-3)		
				B-10 (7-8)		
				B-10 (11-12)		
				B-15 (3-4)		
				B-15 (6-7)		
09/16/19	CCV-VOA117	Dichlorodifluoromethane	25.3	B-16 (7-8)DL	XX	UJ nondetects
		Chloromethane	21.3	B-15 (3-4)DL	XX	UJ nondetects
		Vinyl chloride	31.4	B-15 (6-7)DL	XX	UJ nondetects
		Bromomethane	26.7		XX	UJ nondetects
		Chloroethane	29.2		XX	UJ nondetects
		1,1-Dichloroethene	26.8		XX	UJ nondetects
		Carbon disulfide	26.8		XX	UJ nondetects
		2-Hexanone	23.9		XX	UJ nondetects
		Ethyl ether	30.4		XX	UJ nondetects
		Naphthalene	21.5		XX	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The chloromethane, acetone, dichlorodifluoromethane, vinyl chloride, bromomethane, chloroethane, 1,1-dichloroethene, carbon disulfide, 2-hexanone, ethyl ether, and naphthalene results for the samples listed above were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
09/15/19	CCV-VOA123	1,4-Dioxane	0.003 (≥0.005)	B-2 (6-7) B-16 (7-8) B-1 (2-3) B-1 (5-6) B-1 (10-11)	+	UJ nondetects
09/16/19	CCV-VOA123	1,4-Dioxane	0.00304 (≥0.005)	B-2 (3-4) B-7 (1-2) B-16 (3-4) B-11 (6-7) B-11 (0-1) B-6 (10-11) B-6 (7-8) B-6 (1-2) B-10 (2-3) B-10 (7-8) B-10 (11-12) B-15 (3-4) B-15 (6-7)	+	UJ nondetects
09/16/19	CCV-VOA117	1,4-Dioxane	0.00177 (≥0.005)	B-16 (7-8)DL B-15 (3-4)DL B-15 (6-7)DL	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane results were estimated due to response factor exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

SVOC

Initial calibration:

All criteria were met.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
09/16/19	CCV	Bis(2-chloroisopropyl) ether	20.4	B-2 (3-4)	XX	UJ nondetects
		Hexachlorocyclopentadiene	22	B-2 (6-7)	XX	UJ nondetects
				B-7 (1-2)		
				B-16 (3-4)		
				B-16 (7-8)		
				B-1 (2-3)		
				B-1 (5-6)		
				B-1 (10-11)		
				B-11 (6-7)		
				B-11 (0-1)		
				B-6 (10-11)		
				B-6 (7-8)		
				B-6 (1-2)		
				B-10 (2-3)		
				B-10 (7-8)		
				B-10 (11-12)		
				B-15 (3-4)		
				B-15 (6-7)		

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The bis(2-chloroisopropyl) ether and hexachlorocyclopentadiene results were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Pesticide

Initial calibration:

All criteria were met.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Column	Compound	CC %D	Associated Samples		Validation Action
09/15/19	CCV-PEST10	CLP 1	Methoxychlor	20.9	B-16 (7-8)	XX	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The methoxychlor result was estimated due to continuing calibration exceedance. The bias cannot be determined. The result can be used for project objectives as a nondetect with an estimated quantitation limit (UJ) which may have a minor impact on the data usability.

PCB

All criteria were met.

PFAS

Initial calibration:

All criteria were met.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
09/25/19	CCV-WG1288347-1(Low)	Perfluorohexanesulfonic acid	68.1	FB	ICS	UJ nondetects
09/30/19	CCV-WG1289935-5 (Low)	Perfluorohexanesulfonic acid	53	B-16 (3-4)	ICS	UJ nondetects
		Perfluoroheptanesulfonic acid	52.1	B-16 (7-8)		UJ nondetects
				B-1 (2-3)		
				B-1 (5-6)		
				B-1 (10-11)		
				B-11 (6-7)		
				B-11 (0-1)		
				B-6 (10-11)		
				B-6 (1-2)		
				B-10 (2-3)		
				B-10 (7-8)		
				B-10 (11-12)		
				B-15 (3-4)		
				B-15 (6-7)		

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
ISC = Instrument sensitivity check (ISC) percent difference (%D) > 50; estimate (J/UJ) positive and nondetect results.

The perfluorohexanesulfonic acid and perfluoroheptanesulfonic acid results were estimated due to instrument sensitivity check exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

VOC

Contamination was detected in the associated VOC method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Blank ID	Compound TIC (RT in minutes)	Level Detected	Action Level	Associated Samples
WG1284783-5Blank	Bromomethane	0.76 ug/Kg	RL	B-2 (3-4)
	Cyclotrisiloxane, hexamethyl (7.88)	2.08 ug/Kg	RL	B-11 (6-7)
				B-11 (0-1)
				B-6 (10-11)
				B-6 (7-8)
				B-6 (1-2)
				B-10 (2-3)
				B-10 (7-8)
				B-10 (11-12)
				B-15 (3-4)
				B-15 (6-7)
WG1285064-5Blank	Chloroform	12 ug/Kg	RL	B-16 (7-8)DL
				B-15 (3-4)DL
				B-15 (6-7)DL
WG1284604-5Blank	Bromomethane	0.86 ug/Kg	RL	B-2 (6-7)
	Unknown	2.69 ug/Kg	RL	B-16 (7-8)
	Cyclotrisiloxane, hexamethyl (7.88)	2.73 ug/Kg	RL	B-1 (2-3)
				B-1 (5-6)
				B-1 (10-11)
WG1284782-5Blank	Bromomethane	38 ug/Kg	RL	B-7 (1-2)
	Cyclotrisiloxane, hexamethyl (7.88)	104 ug/Kg	RL	B-16 (3-4)

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

Qualified sample results are listed in the table below.

Sample ID	Compound TIC (RT in minutes)	Level Detected	Validation Action
B-11 (6-7)	Cyclotrisiloxane, hexamethyl (7.88)	1.86 ug/Kg	1.86U ug/Kg
B-11 (0-1)	Cyclotrisiloxane, hexamethyl (7.88)	2.78 ug/Kg	2.78U ug/Kg
B-6 (10-11)	Cyclotrisiloxane, hexamethyl (7.88)	2.4 ug/Kg	2.4U ug/Kg
B-6 (7-8)	Cyclotrisiloxane, hexamethyl (7.88)	2.37 ug/Kg	2.37U ug/Kg
B-6 (1-2)	Cyclotrisiloxane, hexamethyl (7.88)	2.5 ug/Kg	2.5U ug/Kg

Sample ID	Compound TIC (RT in minutes)	Level Detected	Validation Action
B-10 (2-3)	Cyclotrisiloxane, hexamethyl (7.88)	2.97 ug/Kg	2.97U ug/Kg
B-10 (7-8)	Cyclotrisiloxane, hexamethyl (7.88)	3 ug/Kg	3U ug/Kg
B-10 (11-12)	Cyclotrisiloxane, hexamethyl (7.88)	3.18 ug/Kg	3.18U ug/Kg
B-15 (3-4)	Cyclotrisiloxane, hexamethyl (7.88)	3.27 ug/Kg	3.27U ug/Kg
B-15 (6-7)	Cyclotrisiloxane, hexamethyl (7.88)	3.27 ug/Kg	3.27U ug/Kg
B-16 (7-8)DL	Chloroform	11 ug/Kg	74U ug/Kg
B-15 (3-4)DL	Chloroform	9.5 ug/Kg	71U ug/Kg
B-15 (6-7)DL	Chloroform	8.7 ug/Kg	80U ug/Kg
B-2 (6-7)	Cyclotrisiloxane, hexamethyl (7.88)	2.6 ug/Kg	2.6U ug/Kg
B-1 (5-6)	Cyclotrisiloxane, hexamethyl (7.88)	2.83 ug/Kg	2.83U ug/Kg
B-1 (10-11)	Cyclotrisiloxane, hexamethyl (7.89)	4.31 ug/Kg	4.31U ug/Kg
B-7 (1-2)	Cyclotrisiloxane, hexamethyl (7.88)	156 ug/Kg	156U ug/Kg
B-16 (3-4)	Cyclotrisiloxane, hexamethyl (7.88)	117 ug/Kg	117U ug/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

A field blank was not associated with this samples set. Validation action was not required on this basis.

SVOC, Pesticide, and PCB

Contamination was not detected in the method blanks.

A field blank was not associated with this sample set. Validation action was not required on this basis.

PFAS

Contamination was detected in the associated PFAS method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at the reporting limit (RL) for contaminants. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
WG1287720-1Blank	Perfluorohexanoic acid	0.428 ng/L	RL	FB

Blank ID	Compound	Level Detected	Action Level	Associated Samples
WG1287776-1Blank	Perfluorobutanoic acid	0.126 ug/Kg	RL	B-2 (3-4)
	Perfluorohexanoic acid	0.059 ug/Kg	RL	B-2 (6-7)
				B-7 (1-2)
				B-16 (3-4)
				B-16 (7-8)
				B-1 (2-3)
				B-1 (5-6)
				B-1 (10-11)
				B-11 (6-7)
				B-11 (0-1)
				B-6 (10-11)
				B-6 (1-2)
				B-10 (2-3)
				B-10 (7-8)
				B-10 (11-12)
				B-15 (3-4)
				B-15 (6-7)
WG1290300-1Blank	Perfluorobutanoic acid	0.122 ug/Kg	RL	B-6 (7-8)

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
FB	Perfluorohexanoic acid	0.490 ng/L	2.07U ng/L
B-1 (2-3)	Perfluorohexanoic acid	0.054 ug/Kg	1.00U ug/Kg
B-1 (5-6)	Perfluorohexanoic acid	0.050 ug/Kg	0.942U ug/Kg
B-10 (2-3)	Perfluorohexanoic acid	0.055 ug/Kg	0.993U ug/Kg
B-10 (7-8)	Perfluorohexanoic acid	0.060 ug/Kg	1.02U ug/Kg
B-15 (6-7)	Perfluorohexanoic acid	0.057 ug/Kg	1.04U ug/Kg
B-15 (3-4)	Perfluorohexanoic acid	0.085 ug/Kg	1.08U ug/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

Contamination was detected in the field blank sample FB for PFAS analysis. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at the reporting limit (RL) for contaminants. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB	Perfluorohexanoic acid	0.490 ng/L	RL	B-2 (3-4) B-2 (6-7) B-7 (1-2) B-16 (3-4) B-16 (7-8) B-1 (2-3) B-1 (5-6) B-1 (10-11) B-11 (6-7) B-11 (0-1) B-6 (10-11) B-6 (7-8) B-6 (1-2) B-10 (2-3) B-10 (7-8) B-10 (11-12) B-15 (3-4) B-15 (6-7)

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
B-1 (2-3)	Perfluorohexanoic acid	0.054 ug/Kg	1.00U ug/Kg
B-1 (5-6)	Perfluorohexanoic acid	0.050 ug/Kg	0.942U ug/Kg
B-10 (2-3)	Perfluorohexanoic acid	0.055 ug/Kg	0.993U ug/Kg
B-10 (7-8)	Perfluorohexanoic acid	0.060 ug/Kg	1.02U ug/Kg
B-15 (6-7)	Perfluorohexanoic acid	0.057 ug/Kg	1.04U ug/Kg
B-15 (3-4)	Perfluorohexanoic acid	0.085 ug/Kg	1.08U ug/Kg
B-6 (7-8)	Perfluorohexanoic acid	0.057 ug/Kg	1.04U ug/Kg
B-10 (11-12)	Perfluorohexanoic acid	0.057 ug/Kg	1.04U ug/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

Surrogate Recoveries

VOC, Pesticide, and PCB

All criteria were met.

SVOC

The following table lists the surrogate percent recoveries (%R) outside of control limits in the SVOC analysis and the resulting validation actions.

Sample ID	Surrogate	%R (Limits)	Affected Compound	Validation Action
B-15 (6-7)	Phenol-d6	122 (10-120)	Phenol	None
	2,4,6-Tribromophenol	152 (10-136)	2-Chlorophenol	None
			2-Methylphenol	None
			2-Nitrophenol	None
			2,4-Dimethylphenol	None
			2,4-Dichlorophenol	None
			2,4,6-Trichlorophenol	None
			2,4,5-Trichlorophenol	None
			2,4-Dinitrophenol	None
			4-Nitrophenol	None
			4,6-Dinitro-2-methylphenol	None
			Pentachlorophenol	None
			Benzoic acid	None
			3&4-Methylphenol	None
			p-Chloro-m-cresol	None

Validation action was not required for phenol, 2-chlorophenol, 2-methylphenol, 2-nitrophenol, 2,4-dimethylphenol, 2,4-dichlorophenol, 2,4,6-trichlorophenol, 2,4,5-trichlorophenol, 2,4-dinitrophenol, 4-nitrophenol, 4,6-dinitro-2-methylphenol, pentachlorophenol, benzoic acid, 3&4-methylphenol, and p-chloro-m-cresol due to high surrogate percent recoveries as positive results only are affected and these compounds were not detected in the associated sample.

MS/MSD Results

VOC, SVOC, Pesticide, and PCB

MS/MSD analyses were not associated with this sample set. Validation action was not required on this basis.

PFAS

MS analyses were performed on sample B-2 (3-4) for PFAS analysis. The following table lists the MS percent recoveries (%R) outside of control limits in the SVOC analysis and the resulting validation actions.

MS ID	Compound	MS %R (Limits)	Affected Sample	Validation Action
B-2 (3-4)MS	N-Methyl perfluorooctanesulfonamidoacetic acid	150 (63-144)	B-2 (3-4)	None

Validation action was not required for n-methyl perfluorooctanesulfonamidoacetic acid due to high MS percent recovery as positive results only are affected and this compound was not detected in the associated sample.

Laboratory Duplicate Results

PFAS

Laboratory duplicates were performed on sample B-2 (6-7) for PFAS analysis. All criteria were met.

LCS Results

VOC

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the VOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
WG1284957-3/4	Acrylonitrile	131 (70-130)	-	WC-A2I GRAB WC-A2II GRAB WC-B1I GRAB WC-B1II GRAB WC-A1I GRAB WC-A1II GRAB	None

- Within control limits

Validation action was not required for acrylonitrile due to high LCS/LCSD percent recovery as positive results only are affected and this compound was not detected in the associated samples.

SVOC, Pesticide, and PCB

All criteria were met.

PFAS

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the PFAS analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
WG1287720-2/3	Perfluorotridecanoic acid	163 (48-158)	-	FB	None

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
WG1287776-2/3	Perfluorooctanesulfonamide	32 (67-137)	164 (67-137)	B-2 (3-4) B-2 (6-7) B-7 (1-2) B-16 (3-4) B-16 (7-8) B-1 (2-3) B-1 (5-6) B-1 (10-11) B-11 (6-7) B-11 (0-1) B-6 (10-11) B-6 (1-2) B-10 (2-3) B-10 (7-8) B-10 (11-12) B-15 (3-4) B-15 (6-7)	J detects/UJ nondetects

- Within control limits

Validation action was not required for perfluorotridecanoic acid due to high LCS/LCSD percent recovery as positive results only are affected and this compound was not detected in the associated sample.

The perfluorooctanesulfonamide results were estimated due to high and low LCS/LCSD percent recoveries. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The following table lists the LCS/LCSD relative percent differences (RPD) outside of control limits in the SVOC analysis and the resulting validation actions.

LCS ID	Compound	RPD (Limits)	Affected Sample	Validation Action
WG1287776-2/3	Perfluorooctanesulfonamide	135 (≤30)	B-16 (3-4) B-11 (6-7) B-11 (0-1) B-6 (10-11)	J detects
WG1287776-2/3	Perfluorooctanesulfonamide	135 (≤30)	B-2 (3-4) B-2 (6-7) B-7 (1-2) B-16 (7-8) B-1 (2-3) B-1 (5-6) B-1 (10-11) B-6 (1-2) B-10 (2-3) B-10 (7-8) B-10 (11-12) B-15 (3-4) B-15 (6-7)	None

The perfluorooctanesulfonamide results for samples B-16 (3-4), B-11 (6-7), B-11 (0-1), and B-6 (10-11) were estimated due to LCS/LCSD relative percent difference exceedance. The bias cannot be determined. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

Validation action was not required for perfluorooctanesulfonamide for the samples listed above due to LCS/LCSD relative percent difference exceedance as positive results only are affected and this compound was not detected in the associated samples.

Internal Standards/Labeled Compounds

VOC, SVOC, Pesticide, and PCB

All criteria were met.

PFAS

The following table lists the labeled compound percent recoveries (%R) outside of control limits in the PFAS analysis and the resulting validation actions.

Sample	Labeled Compound	%R (Limits)	Affected Compound	Validation actions
B-2 (3-4)	D3-N-Methyl perfluorooctanesulfonamidoacetic acid	24 (45-137)	NMeFOSAA	UJ nondetects
	D5-N-Ethyl perfluorooctanesulfonamidoacetic acid	30 (42-136)	NEtFOSAA	UJ nondetects
	M8-Perfluorotridecanoic acid	0 (1-125)	Perfluorotridecanoic acid	R nondetects
B-1 (2-3)	D3-N-Methyl perfluorooctanesulfonamidoacetic acid	25 (45-137)	NMeFOSAA	UJ nondetects
	D5-N-Ethyl perfluorooctanesulfonamidoacetic acid	34 (42-136)	NEtFOSAA	UJ nondetects
B-1 (5-6)	M-Perfluorobutanoic acid	47 (60-153)	Perfluorobutanoic acid	J detects/UJ nondetects
	M5-Perfluoropentanoic acid	54 (65-182)	Perfluoropentanoic acid	J detects/UJ nondetects
	M3-Perfluorohexanoic acid	54 (61-147)	Perfluorohexanoic acid	J detects/UJ nondetects
	M4-Perfluoroheptanoic acid	61 (62-149)	Perfluoroheptanoic acid	J detects/UJ nondetects
	D3-N-Methyl perfluorooctanesulfonamidoacetic acid	31 (45-137)	NMeFOSAA	J detects/UJ nondetects
	D5-N-Ethyl perfluorooctanesulfonamidoacetic acid	30 (42-136)	NEtFOSAA	J detects/UJ nondetects
	M8-Perfluorotridecanoic acid	0 (1-125)	Perfluorotridecanoic acid	R nondetects
B-11 (0-1)	M-Perfluorobutanoic acid	3 (60-153)	Perfluorobutanoic acid	J detects/UJ nondetects
	M5-Perfluoropentanoic acid	4 (65-183)	Perfluoropentanoic acid	J detects/UJ nondetects
	M3-Perfluorohexanoic acid	5 (61-147)	Perfluorohexanoic acid	J detects/UJ nondetects
	M4-Perfluoroheptanoic acid	10 (62-149)	Perfluoroheptanoic acid	J detects/UJ nondetects
	M8-Perfluorooctanoic acid	17 (63-166)	Perfluorooctanoic acid	J detects/UJ nondetects
	M9-Perfluorononanoic acid	25 (61-154)	Perfluorononanoic acid	J detects/UJ nondetects
	M6-Perfluorodecanoic acid	34 (65-150)	Perfluorodecanoic acid	J detects/UJ nondetects
	D3-N-Methyl perfluorooctanesulfonamidoacetic acid	23 (45-137)	NMeFOSAA	J detects/UJ nondetects
	M7-Perfuoroundecanoic acid	48 (45-137)	Perfuoroundecanoic acid	J detects/UJ nondetects
	D5-N-Ethyl perfluorooctanesulfonamidoacetic acid	25 (42-136)	NEtFOSAA	J detects/UJ nondetects
	M-Perfluorododecanoic acid	49 (56-148)	Perfluorododecanoic acid	J detects/UJ nondetects
B-6 (7-8)	D3-N-Methyl perfluorooctanesulfonamidoacetic acid	34 (45-137)	NMeFOSAA	J detects/UJ nondetects
	D5-N-Ethyl perfluorooctanesulfonamidoacetic acid	36 (42-136)	NEtFOSAA	J detects/UJ nondetects
B-6 (1-2)	D3-N-Methyl perfluorooctanesulfonamidoacetic acid	26 (45-137)	NMeFOSAA	UJ nondetects
	D5-N-Ethyl perfluorooctanesulfonamidoacetic acid	28 (42-136)	NEtFOSAA	UJ nondetects

The NMeFOSAA, NEtFOSAA, perfluorobutanoic acid, perfluoropentanoic acid, perfluorohexanoic acid, perfluoroheptanoic acid, perfluorooctanoic acid, perfluorononanoic acid, perfluorodecanoic acid, perfuoroundecanoic acid, and perfluorododecanoic acid results for the samples listed above were estimated due to labeled compound percent recovery exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The PFAS nondetect results for perfluorotridecanoic acid in samples B-2 (3-4) and B-1 (5-6) were rejected (R) due to low labeled compound percent recoveries. The results are not usable for project objectives, which may have a major impact on the data usability.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Moisture Content

All criteria were met.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC, SVOC, pesticide, PCB, and PFAS analyses. These results were qualified as estimated (J) by the laboratory.

Dilutions were not required for VOC, SVOC, pesticide, PCB, and PFAS analyses.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

All compound quantitations met validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Validation Action
B-16 (7-8) B-15 (3-4) B-15 (6-7)	Acetone	Sample result exceeded calibration range.	Reported result should be within calibration range.	J detects

The acetone results were estimated due to results exceeding the calibration range. The bias cannot be determined. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

The following table lists the GC dual column RPDs for pesticide analysis which were outside the control limit of 40% and the resulting actions. The direction of the bias cannot be determined from this nonconformance. All results are usable as estimated values (J).

Sample	Compound	RPD (%)	Validation Actions
B-10 (2-3)	Methoxychlor	148	J detects
	trans-Chlordane	67	J detects
	Dieldrin	52	J detects
	cis-Chlordane	50	J detects
	Chlordane	44	J detects
B-10 (7-8)	Methoxychlor	144	J detects
	trans-Chlordane	86	J detects
	Dieldrin	42	J detects
B-15 (3-4)	Methoxychlor	150	J detects
	trans-Chlordane	185	J detects
	Dieldrin	79	J detects
	cis-Chlordane	73	J detects
B-15 (6-7)	trans-Chlordane	87	J detects

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 46420B1a
SDG #: L1941309
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 11/25/19
Page: 1 of 2
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	SW/SW	%D RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	SW	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	CS
IX.	Laboratory control samples	A	LCS/D
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	SW	Results ≥ RL > MDL = Jdet
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	SW	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
13	B-2 (3-4)	L1941309-01	Soil	09/10/19
21	B-2 (6-7)	L1941309-02	Soil	09/10/19
32	B-7 (1-2)	L1941309-03	Soil	09/10/19
42	B-16 (3-4)	L1941309-04	Soil	09/10/19
51	B-16 (7-8)	L1941309-05	Soil	09/10/19
64	B-16 (7-8) ~~DL~~ RE	L1941309-05DL	Soil	09/10/19
71	B-1 (2-3)	L1941309-06	Soil	09/10/19
81	B-1 (5-6)	L1941309-07	Soil	09/10/19
91	B-1 (10-11)	L1941309-08	Soil	09/10/19
103	B-11 (6-7)	L1941309-09	Soil	09/10/19
113	B-11 (0-1)	L1941309-10	Soil	09/10/19
123	B-6 (10-11)	L1941309-11	Soil	09/10/19
133	B-6 (7-8)	L1941309-12	Soil	09/10/19
143	B-6 (1-2)	L1941309-13	Soil	09/10/19

LDC #: 46420B1a

SDG #: L1941309

Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET

Category B

Date: 11/25/19

Page: 1 of 2

Reviewer: [illegible]

2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

	Client ID	Lab ID	Matrix	Date
15 3	B-10 (2-3)	L1941309-14	Soil	09/10/19
16 3	B-10 (7-8)	L1941309-15	Soil	09/10/19
17 3	B-10 (11-12)	L1941309-16	Soil	09/10/19
18 3	B-15 (3-4)	L1941309-17	Soil	09/10/19
19 4	B-15 (3-4) ~~DL~~ RE	L1941309-17DL	Soil	09/10/19
20 3	B-15 (6-7)	L1941309-18	Soil	09/10/19
21 4	B-15 (6-7) ~~DL~~ RE	L1941309-18DL	Soil	09/10/19
22				
23				
24				
25				
26				

Notes:

†	1	WG1284604-5 Blank					
†	2	WG1284782-5 Blank					
†	3	WG1284783-5 Blank					
	4	WG1285064-5 Blank					

LDC #: 46420 B1a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?	•	✓		
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?		✓		
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?	✓			
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?				✓
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	

LDC #: 46420B1a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 46420B1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?
Y N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?
Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____
Y N N/A Did the initial calibration meet the acceptance criteria?
Y N N/A Were all %RSDs and RRFs within the validation criteria of ≤20 %RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: 20%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	6/21/19	ICAL-VOA123	HHH	11	~~0.003~~ (≥0.005)	1→5, 7→18,	J/UJ/A (ND)
					0.00343	20,	
						WG1284604-5 Blank	
						WG1284782-5 Blank	
						WG1284783-5 Blank	
	7/26/19	ICAL-VOA117		11	~~0.001~~ (≥0.005)	6, 19, 21,	J/UJ/A (ND)
					0.00149	WG1285064-5 Blank	

LDC #: 46420B1Q

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Page: 1 of 7
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was an initial calibration verification standard analyzed after each ICAL for each instrument?

Y N N/A Were all %D within the validation criteria of ≤30 %D?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤30.0%)	Associated Samples	Qualifications
	7/27/19	ICV-VOA117	JJ	75.3	6, 19, 21,	J/UJ/Δ (ND)
	0156				WG1285064-5Blank	

ICVvoa.wpd

LDC #: 46420B4

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
1	9/15/19	CCV-VOA123	A	26.4		2, 5, 7→9	J/UJ/A (ND+Det)
	1624		F	21.3		WG1284604-5B/Blank	
			HHHH		0.003 (≥0.005)		
2,3	9/16/19	CCV-VOA123	F	21.3		1, 3, 4, 10→18,	(ND+Det)
	0656		HHHH		0.00304 (≥0.005)	20,	
						WG1284782-5B/Blank	
						WG1284783-5B/Blank	
4	9/16/19	CCV-VOA117	JJ	25.3		6, 19, 21,	(ND)
	1637		A	21.3		WG1285064-5B/Blank	
			C	31.4			
			B	26.7			
			D	29.2			
			H	26.8			
			G	26.8			
			Z	23.9			
			HHHH		0.00177 (≥0.005)		
			Ethyl ether	30.4			
			MMM	21.5			

LDC #: 46420B/2

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a method blank associated with every sample in this SDG?

Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?

Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 9/16/19

Conc. units: ug/kg

Associated Samples: 1, 10 → 18, 20

Compound	Blank ID	Sample Identification								
	WG1284783-5Blank	10	11	12	13	14	15	16	17	
B	0.76									
TIC ①	2.08 (7.88)	1.86 (7.88)	2.78 (7.88)	2.4 (7.88)	2.37 (7.88)	2.5 (7.88)	2.97 (7.88)	3 (7.88)	3.18 (7.88)	
		18	20							
		-	-							
		3.27 (7.88)	3.27 (7.88)							

Blank analysis date: 9/16/19

Conc. units: ug/kg

Associated Samples: 6, 19, 21

Compound	Blank ID	Sample Identification								
	WG1285064-5Blank	6	~~19~~	~~21~~	17	19	21			
K	12	11 | 74U	~~9.5 | 71U~~	~~8.7 | 80U~~		9.5 | 71U	8.7 | 80U			

All results were qualified using the criteria stated below except those circled.

Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 46420B/k

VALIDATION FINDINGS WORKSHEET
Blanks

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
Y N N/A Was a method blank associated with every sample in this SDG?
Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?
Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 9/15/19
Conc. units: ug/Kg
Associated Samples: 5, 2, 7 → 9

Compound	Blank ID	Sample Identification								
	WG1284604-5B/blank	2	8	9						
B	0.86									
unknown	2.69 (2.23)									
cyclotrisiloxane, hexamethyl	2.73 (7.88)	2.6 (7.88)	2.83 (7.88)	4.31 (7.89)						

NC
(2)

Blank analysis date: 9/16/19
Conc. units: ug/Kg
Associated Samples: 3, 4

Compound	Blank ID	Sample Identification								
	WG1284782-5B/blank	3	4							
B	38	-								
(1)	104 (7.88)	156 (7.88)	117 (7.88)							

(1)

All results were qualified using the criteria stated below except those circled.

Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 16420B1a

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and CRQLs

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?

Y N N/A Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?

#	Date	Sample ID	Compound	Finding	Qualifications
		5, 18, 20	F	x'd. cal Range	J+ (all) / A

Comments: See sample calculation verification worksheet for recalculations

LDC #: 46420B1a

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
All available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.

Y N N/A Was the overall quality and usability of the data acceptable?

#	Sample ID	Compound	Finding	Qualifications
	6, 19, 21	All	re-analyzed at (Medium) high level F = ND higher RLs	NR

Comments: _____

OVR.wpd

LDC #: 46420B1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 40 ug/L std)	Recalculated (RRF 40ug/L std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL VOA117	7/26/2019	S	0.243	0.243	0.248	0.248	9.58	9.58
			CC	0.828	0.828	0.820	0.820	4.64	4.64
			BB	0.544	0.544	0.560	0.560	9.28	9.28

LDC #: 46420B1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 40 ug/L std)	Recalculated (RRF 40ug/L std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL VOA123	6/21/2019	S	0.254	0.254	0.249	0.249	9.61	9.61
			CC	0.743	0.743	0.750	0.750	6.38	6.38
			BB	0.745	0.745	0.726	0.726	8.68	8.68

LDC #: 46420B1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA Method 8260C)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV VOA123	9/15/19	S (1st internal standard)	0.249	0.249	0.249	0	0
	1624		CC (2nd internal standard)	0.750	0.740	0.740	1.3	1.3
①			BB (3rd internal standard)	0.726	0.695	0.695	4.3	4.3
			(4th internal standard)					
2	CCV VOA123	9/16/19	(1st internal standard)		0.258	0.258	3.6	3.6
	0656		(2nd internal standard)		0.756	0.756	0.80	0.80
③			(3rd internal standard)		0.73	0.73	0.6	0.6
			(4th internal standard)					
4	CCV VOA123	9/16/19	(1st internal standard)		0.258	0.258	3.6	3.6
	0656		(2nd internal standard)		0.756	0.756	0.8	0.8
②			(3rd internal standard)		0.73	0.73	0.6	0.6
			(4th internal standard)					
5	CCV OA117	9/16/19	S (1st internal standard)	0.248	0.242	0.242	2.4	2.4
	1637		CC (2nd internal standard	0.820	0.745	0.745	9.1	9.1
④			BB (3rd internal standard)	0.560	0.471	0.471	15.9	15.9
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420B1a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	20.0	19.279	96	96	0
1,2-Dichloroethane-d4	↓	21.167	106	106	↓
Toluene-d8		19.927	100	100	
Bromofluorobenzene		19.595	98	98	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 46420B/2

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: WG1284604-3/4

Compound	Spike Added (ug/kg)		Spiked Sample Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	20	20	20 (19.575)	19.591	98	98	98	98 ✓	0	0
Trichloroethene			20 20.001	20 20.399	100	100	102	102	2	2
Benzene			20 (19.706	19.953	98	98.5	100	100	2	1
Toluene			20 19.731	19.680	99	99	98	98	1	1.0
Chlorobenzene	↓	↓	20 19.843	20.218	99	99	101	101	2	2

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420B/a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #2 , S :

Conc. = $\frac{(1047927)(20)(5)}{(2503837)(0.249)(5.55)(0.897)}$

= 33.74 ng/kg

5.6 5= 90%

#	Sample ID	Compound	Reported Concentration (ng/kg)	Calculated Concentration (ng/kg)	Qualification
	#2	S	34	33.74	

LDC #: 46420B2a **VALIDATION COMPLETENESS WORKSHEET** Date: 11/22/19
SDG #: L1941309 Category B Page: 1 of 2
Laboratory: Alpha Analytical, Inc. Reviewer:
2nd Reviewer:

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	%RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	SW	
VIII.	Matrix spike/Matrix spike duplicates	N	cs
IX.	Laboratory control samples	A	LCS/D
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Results < RL > MDL = J/UJ
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1 2	B-2 (3-4)	L1941309-01	Soil	09/10/19
2 2	B-2 (6-7)	L1941309-02	Soil	09/10/19
3 2	B-7 (1-2)	L1941309-03	Soil	09/10/19
4 2	B-16 (3-4)	L1941309-04	Soil	09/10/19
5 2	B-16 (7-8)	L1941309-05	Soil	09/10/19
6 2	B-1 (2-3)	L1941309-06	Soil	09/10/19
7 2	B-1 (5-6)	L1941309-07	Soil	09/10/19
8 2	B-1 (10-11)	L1941309-08	Soil	09/10/19
9 2	B-11 (6-7)	L1941309-09	Soil	09/10/19
10 2	B-11 (0-1)	L1941309-10	Soil	09/10/19
11 2	B-6 (10-11)	L1941309-11	Soil	09/10/19
12 2	B-6 (7-8)	L1941309-12	Soil	09/10/19
13 2	B-6 (1-2)	L1941309-13	Soil	09/10/19
14 2	B-10 (2-3)	L1941309-14	Soil	09/10/19

LDC #: 46420B2a **VALIDATION COMPLETENESS WORKSHEET** Date: 11/22/19
SDG #: L1941309 Category B Page: 2 of 2
Laboratory: Alpha Analytical, Inc. Reviewer:
2nd Reviewer:

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

15	B-10 (7-8)	L1941309-15	Soil	09/10/19
16	B-10 (11-12)	L1941309-16	Soil	09/10/19
17	B-15 (3-4)	L1941309-17	Soil	09/10/19
18	B-15 (6-7)	L1941309-18	Soil	09/10/19
19				
20				
21				
22				
23				

Notes:

1	WG1283045-1 Blank						
2	WG1283515-1 Blank						

LDC #: 46420B2a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: Semivolatiles (EPA SW 846 Method 8270D)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?		✓		
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?		✓		
If any percent recoveries (%R) was less than 10%, was a reanalysis performed to confirm %R ?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA ACIDS

A. Phenol	CC. Dimethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	GGGG. C30-Hopane	I1. Methyl methanesulfonate
B. Bis (2-chloroethyl) ether	DD. Acenaphthylene	FFF. Di-n-octylphthalate	HHHH. 1-Methylphenanthrene	J1. Ethyl methanesulfonate
C. 2-Chlorophenol	EE. 2,6-Dinitrotoluene	GGG. Benzo(b)fluoranthene	IIII. 1,4-Dioxane	K1. o,o',o''-Triethylphosphorothioate
D. 1,3-Dichlorobenzene	FF. 3-Nitroaniline	HHH. Benzo(k)fluoranthene	JJJJ. Acetophenone	L1. n-Phenylene diamine
E. 1,4-Dichlorobenzene	GG. Acenaphthene	III. Benzo(a)pyrene	KKKK. Atrazine	M1. 1,4-Naphthoquinone
F. 1,2-Dichlorobenzene	HH. 2,4-Dinitrophenol	JJJ. Indeno(1,2,3-cd)pyrene	LLLL. Benzaldehyde	N1. N-Nitro-o-toluidine
G. 2-Methylphenol	II. 4-Nitrophenol	KKK. Dibenz(a,h)anthracene	MMMM. Caprolactam	O1. 1,3,5-Trinitrobenzene
H. 2,2'-Oxybis(1-chloropropane)	JJ. Dibenzofuran	LLL. Benzo(g,h,i)perylene	NNNN. 2,6-Dichlorophenol	P1. Pentachlorobenzene
I. 4-Methylphenol	KK. 2,4-Dinitrotoluene	MMM. Bis(2-Chloroisopropyl)ether	OOOO. 1,2-Diphenylhydrazine	Q1. 4-Aminobiphenyl
J. N-Nitroso-di-n-propylamine	LL. Diethylphthalate	NNN. Aniline	PPPP. 3-Methylphenol	R1. 2-Naphthylamine
K. Hexachloroethane	MM. 4-Chlorophenyl-phenyl ether	OOO. N-Nitrosodimethylamine	QQQQ. 3&4-Methylphenol	S1. Triphenylene
L. Nitrobenzene	NN. Fluorene	PPP. Benzoic Acid	RRRR. 4-Dimethyldibenzothiophene (4MDT)	T1. Octachlorostyrene
M. Isophorone	OO. 4-Nitroaniline	QQQ. Benzyl alcohol	SSSS. 2/3-Dimethyldibenzothiophene (4MDT)	U1. Famphur
N. 2-Nitrophenol	PP. 4,6-Dinitro-2-methylphenol	RRR. Pyridine	TTTT. 1-Methyldibenzothiophene (1MDT)	V1. 1,4-phenylenediamine
O. 2,4-Dimethylphenol	QQ. N-Nitrosodiphenylamine	SSS. Benzidine	UUUU.. 2,3,4,6-Tetrachlorophenol	W1. Methapyrilene
P. Bis(2-chloroethoxy)methane	RR. 4-Bromophenyl-phenylether	TTT. 1-Methylnaphthalene	VVVV. 1,2,4,5-Tetrachlorobenzene	X1. Pentachloroethane
Q. 2,4-Dichlorophenol	SS. Hexachlorobenzene	UUU.Benzo(b)thiophene	WWWW.. 2-Picoline	Y1. 3,3'-Dimethylbenzidine
R. 1,2,4-Trichlorobenzene	TT. Pentachlorophenol	VVV.Benzonaphthothiophene	XXXX. 3-Methylcholanthrene	Z1. o-Toluidine
S. Naphthalene	UU. Phenanthrene	WWW.Benzo(e)pyrene	YYYY. a,a-Dimethylphenethylamine	A2. 1-Naphthylamine
T. 4-Chloroaniline	VV. Anthracene	XXX. 2,6-Dimethylnaphthalene	ZZZZ. Hexachloropropene	B2. 4-Aminobiphenyl
U. Hexachlorobutadiene	WW. Carbazole	YYY. 2,3,5-Trimethylnaphthalene	A1. N-Nitrosodiethylamine	C2. 4-Nitroquinoline-1-oxide
V. 4-Chloro-3-methylphenol	XX. Di-n-butylphthalate	ZZZ. Perylene	B1. N-Nitrosodi-n-butylamine	D2. Hexachloropene
W. 2-Methylnaphthalene	YY. Fluoranthene	AAAA. Dibenzothiophene	C1. N-Nitrosomethylethylamine	E2. Bis (2-chloro-1-methylethyl) ether
X. Hexachlorocyclopentadiene	ZZ. Pyrene	BBBB. Benzo(a)fluoranthene	D1. N-Nitrosomorpholine	F2. Bifenthrin
Y. 2,4,6-Trichlorophenol	AAA. Butylbenzylphthalate	CCCC. Benzo(b)fluorene	E1. N-Nitrosopyrrolidine	G2.Cyfluthrin
Z. 2,4,5-Trichlorophenol	BBB. 3,3'-Dichlorobenzidine	DDDD. cis/trans-Decalin	F1. Phenacetin	H2.Cypermethrin
AA. 2-Chloronaphthalene	CCC. Benzo(a)anthracene	EEEE. Biphenyl	G1. 2-Acetylaminofluorene	I2.Permethrin (cis/trans)
BB. 2-Nitroaniline	DDD. Chrysene	FFFF. Retene	H1. Pronamide	J2. 5-Nitro-o-toluidine

J3 p-chloro-m-cresol

LDC #: 64208B2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: ET
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours of sample analysis for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	9/16/19	CCV	MMM	20.4		1-18,	J/UJ/A (ND)
	2033		X	22		WG1283515-1B/K	↓
	9/16/19	CCV	MMM	30.5		WG1283045-1B/K	J/UJ/A
	2143		B	~~30.5~~ 23.1		↓	↓
			II	20.8			

LDC #: 46420B2a

VALIDATION FINDINGS WORKSHEET
Surrogate Recovery

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Y (N) N/A Were percent recoveries (%R) for surrogates within QC limits?

Y (N) N/A If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?

Y N (N/A) If any %R was less than 10 percent, was a reanalysis performed to confirm %R?

see list

#	Sample ID	Surrogate	%R (Limits)	Qualifications
	18	PHL	122 (10-120)	Jdet/P all Acids ND
		TBP	152 (10-136)	↓
			( )	
			( )	
			( )

LDC #: 46420B2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/23/2019	A	1.742	1.742	1.756	1.756	1.81	1.81
	GCMS12		S	1.040	1.040	1.046	1.046	3.40	3.40
	ABN		GG	1.176	1.176	1.189	1.189	2.78	2.78
			UU	1.188	1.188	1.210	1.210	4.42	4.42
			EEE	1.283	1.283	1.201	1.201	11.19	11.19
			LLL	1.110	1.110	1.121	1.121	3.37	3.37

LDC #: 16420B2q

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/23/2019	1,4 Dioxane	0.528	0.528	0.544	0.544	7.05	7.05
	GCMS12	ADP							

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/23/2019	Biphenyl	0.778	0.778	0.783	0.783	4.63	4.63
	GCMS12	AP9							

LDC #: 46420B2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 2033 ABN	9/16/19	Δ (1st IS)	1.756	1.535	1.535	12.6	12.6
			S (2nd IS)	1.046	0.93	0.93	11.1	11.1
			GG (3rd IS)	1.189	1.041	1.041	12.4	12.4
			UU (4th IS)	1.210	1.042	1.042	13.9	13.9
			EEE (5th IS)	1.201	1.096	1.096	8.7	8.7
			LLL (6th IS)	1.121	1.004	1.004	10.4	10.4
2	CCV 2119 ADP	9/16/19	1,4-Dioxane (1st IS)	0.544	0.463	0.463	14.9	14.9
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
3	CCV 2056 APQ	9/16/19	Biphenyl (1st IS)	0.783	0.725	0.725	7.4	7.4
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420B2a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	25.0	16.756	67	67	0
2-Fluorobiphenyl	↓	16.428	66	66	↓
Terphenyl-d14	↓	15.216	61	61	↓
Phenol-d5	50.0	40.473	81	81	↓
2-Fluorophenol	↓	37.237	74	74	↓
2,4,6-Tribromophenol	↓	46.349	93	93	↓
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 46420B2a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: WG128535 15-2/3

Compound	Spike Added (ug/kg)		Spike Concentration ( )		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol	1300	1300	1000 (1028)	1000 (1025)	79	79	77	79	3	0
N-Nitroso-di-n-propylamine			1000 (1045)	1000 (1058)	80	80	81	80	1	1
4-Chloro-3-methylphenol			1300 (1169)	1100 (1101)	90	90	83	85	8	6
Acenaphthene			970 (968)	900 (904)	74	74	68	70	8	7
Pentachlorophenol			910 (913)	820 (815)	70	70	62	63	12	11
Pyrene			1000 (1016)	940 (942)	78	78	71	72	9	8

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results. 1/30.77
1/30.23

LDC #: 46420B2a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: FT
2nd reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #3, ~~#~~ : UU

Conc. = $\frac{(40324)(40.0)(1)(1000)}{(984902 / 1004489)(1.210)(30.24)(0.83)}$

= 52.87 ug/kg

1/30.24 %S = 83

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration ug/kg	Qualification
	#3	UU	53	52.87	

LDC #: 46420B3a
SDG #: L1941309
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 11/21/19
Page: 1 of 2
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC Chlorinated Pesticides (EPA SW846 Method 8081B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	GC Instrument Performance Check	A	
III.	Initial calibration/ICV	A/A	%D RSD/ICV ≤ 20
IV.	Continuing calibration	A	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes /15	A	
VIII.	Matrix spike/Matrix spike duplicates	N	CS
IX.	Laboratory control samples	A	LCS ID
X.	Field duplicates	N	
XI.	Compound quantitation/RL/LOQ/LODs	SW	Results ≤ RL >MDL= Jdet
XII.	Target compound identification	A	
XIII.	System Performance	A	
XIV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	B-2 (3-4)	L1941309-01	Soil	09/10/19
2	B-2 (6-7)	L1941309-02	Soil	09/10/19
3	B-7 (1-2)	L1941309-03	Soil	09/10/19
4	B-16 (3-4)	L1941309-04	Soil	09/10/19
5	B-16 (7-8)	L1941309-05	Soil	09/10/19
6	B-1 (2-3)	L1941309-06	Soil	09/10/19
7	B-1 (5-6)	L1941309-07	Soil	09/10/19
8	B-1 (10-11)	L1941309-08	Soil	09/10/19
9	B-11 (6-7)	L1941309-09	Soil	09/10/19
10	B-11 (0-1)	L1941309-10	Soil	09/10/19
11	B-6 (10-11)	L1941309-11	Soil	09/10/19
12	B-6 (7-8)	L1941309-12	Soil	09/10/19
13	B-6 (1-2)	L1941309-13	Soil	09/10/19
14	B-10 (2-3)	L1941309-14	Soil	09/10/19
15	B-10 (7-8)	L1941309-15	Soil	09/10/19

LDC #: 46420B3a

SDG #: L1941309

Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET

Category B

Date: 11/21/19

Page: 1 of 2

Reviewer:

2nd Reviewer:

METHOD: GC Chlorinated Pesticides (EPA SW846 Method 8081B)

16	B-10 (11-12)		L1941309-16	Soil	09/10/19
17	B-15 (3-4)		L1941309-17	Soil	09/10/19
18	B-15 (6-7)		L1941309-18	Soil	09/10/19
19					
20					
21					
22					
23					

Notes:

1	WG1283099-1 Blank						
2	WG1283133-1 BLK						
3	WG1283899-1 BLK						

LDC #: 46420B3a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: Pesticides (EPA SW 846 Method 8081)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/ECD Instrument performance check				
Was the instrument performance found to be acceptable?	✓			
Were Evaluation mix standards analyzed prior to the initial calibration and at beginning of each 12-hour shift?	✓			
Were endrin and 4,4'-DDT breakdowns ≤ 15% for individual breakdown in the Evaluation mix standards?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?			✓	
Were the RT windows properly established?	✓			
IIIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
IV. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?	.	✓		
VI. Field blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes/Internal Standards				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	

Validation Area	Yes	No	NA	Findings/Comments
If any percent recovery (%R) was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
Were internal standard area counts within ± 50% of the average area calculated during calibration?	✓			
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions, dry weight factors, and clean-up activities applicable to level IV validation?	✓			
Were relative percent difference (RPD) of the results between two columns ≤ 40%?	✓	✓		
XII. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPA SW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Arochlor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 46420B3a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT
2nd Reviewer:

METHOD: ✓ GC ___ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
What type of continuing calibration calculation was performed? ___%D or ___%R
Y N N/A Were continuing calibration standards analyzed at the required frequencies?
Y N N/A Did the continuing calibration standards meet the %D / %R validation criteria of ≤20.0% / 80-120%?
Level IV Only
Y N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Detector/ Column	Compound	%D (Limit ≤ 20.0)	RT (limit)	Associated Samples	Qualifications
	9/15/19 1452	CCV-PEST20	CLP2	4	21.48		WG1283899-1Blank	J/UJ/A
	9/15/19 1531	↓	CLP2	44	24.08		↓	↓
	9/15/19 1551	CCV-PEST10	CLP1	P	20.9		5	J/UJ/A ND

LDC #: 46420B39

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and Reported CRQLs

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: ✓ **GC** __ **HPLC**

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Level IV/D Only

Y N N/A Were CRQLs adjusted for sample dilutions, dry weight factors, etc.?

Y N N/A Did the reported results for detected target compounds agree within 10.0% of the recalculated results?

#	Associated Samples	Compound Name	% RPD But ≤40 Findings	Qualifications
	14	p	148	J dil /A
		trans-Chlordane	67	↓
		I	52	
		cis-Chlordane	50	↓
		GG	64	
	15	p	144	↓
		trans-Chlordane	86	
		I	42	↓
✓	17	p	150	↓
		trans-Chlordane	185	
		I	79	
		cis-Chlordane	73	↓
	18	trans-Chlordane	87	↓

Comments: See sample calculation verification worksheet for recalculations

LDC #: 46420B3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: [signature]

METHOD: GC __X_____ HPLC _____

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 5.0ug/L	Recalculated 5.0 ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	4/23/2019	Gamma BHC CLP1	1.450	1.450	1.443	1.443	7.88	7.88
	PEST 10		4,4'DDT CLP1	1.196	1.196	1.171	1.171	7.64	7.64
			Gamma BHC CLP2	1.369	1.369	1.420	1.420	7.46	7.46
			4,4'-DDT CLP2	0.993	0.993	0.974	0.974	8.49	8.49

LDC #: 46420B3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC X HPLC _____

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 5.0ug/L	Recalculated 5.0 ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	8/6/2019	Gamma BHC CLP1	1.334	1.334	1.294	1.294	8.85	8.85
	PEST 20		4,4'DDT CLP1	0.991	0.991	0.994	0.994	6.61	6.61
			Gamma BHC CLP2	1.383	1.383	1.396	1.396	10.14	10.14
			4,4'-DDT CLP2	1.083	1.083	1.082	1.082	7.88	7.88

LDC #: 46420B3a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(ICAL)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV PEST 20 1429	9/15/19	gamma BHC	50.0	46.51	46.51	7	7.0
			4,4'-DDT		46.95	46.95	6.1	6.1
			↓		45.084	45.084	9.8	9.8
			↓		44.994	44.994	10	10
2	CCV PEST10 1551	9/15/19	↓		45.311	45.311	9.4	9.4
			↓		44.664	44.664	10.7	10.7
			↓		46.627	46.627	6.7	6.7
			↓		52.317	52.317	4.6	4.6
3	CCV PEST20 1453	9/16/19	↓		45.782	45.782	8.4	8.4
			↓		48.318	48.318	3.4	3.4
			↓		45.648	45.648	8.7	8.7
			↓		45.925	45.925	8.2	8.2
4	CCV PEST20 2121	9/16/19	↓		48.526	48.526	2.9	2.9
			↓		51.999	51.999	4.0	4.0
			↓		49.564	49.564	0.9	0.9
			↓		49.299	49.299	1.4	1.4

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420B3a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: FT
2nd reviewer:

METHOD: GC Pesticides (EPA SW 846 Method 8081)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene	cvp1	50.0	54.776	110	110	0
Tetrachloro-m-xylene	cvp2	↓	53.960	108	108	
Decachlorobiphenyl	cvp1		49.995	100	100	
Decachlorobiphenyl	cvp2	↓	50.862	102	102	↓

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Notes:

LDC #: 46420B3q

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicate Results Verification

Reviewer: EJ
2nd Reviewer: [illegible]

METHOD: GC Pesticides (EPA SW 846 Method 8081A)

The percent recoveries (%R) and Relative Percent difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100* (SSC-SC)/SA

Where: SSC = Spiked sample concentration
SA = Spike added
SC = Concentration

RPD = I LCS - LCSD I * 2/(LCS + LCSD)

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: W61283099-2/3

Compound	Spike Added (ug/kg)		Spiked Sample Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
gamma-BHC	31.8	32.1	36.135	34.66	113	113.6	108	108	5	4
4,4'-DDT	↓	↓	40.493	39.274	127	127	122	122	4	3

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420B3a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: EZ
2nd reviewer:

METHOD: GC Pesticides (EPA SW 846 Method 8081A)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #14 , 4,4'-DDT

Conc. = $\frac{7986226 9 (25.0)(10)}{159.0 \times 10^6 (0.994)(15.44)(0.90)}$

= 9.09 ug/kg

10/15.44 %S = 90

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Qualification
	#14	DDT	9.10	9.09	

LDC #: 46420B3b
SDG #: L1941309
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 11/21/19
Page: 1 of 2
Reviewer:
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	A / A	0/0 RSD / ICV ≤ 20
III.	Continuing calibration	A	CCV ≤ 20
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes 1/7	A	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	A	LCS ID
IX.	Field duplicates	N	
X.	Compound quantitation/RL/LOQ/LODs	A	Results < RL > MDL = Jdet
XI.	Target compound identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	B-2 (3-4)	L1941309-01	Soil	09/10/19
2	B-2 (6-7)	L1941309-02	Soil	09/10/19
3	B-7 (1-2)	L1941309-03	Soil	09/10/19
4	B-16 (3-4)	L1941309-04	Soil	09/10/19
5	B-16 (7-8)	L1941309-05	Soil	09/10/19
6	B-1 (2-3)	L1941309-06	Soil	09/10/19
7	B-1 (5-6)	L1941309-07	Soil	09/10/19
8	B-1 (10-11)	L1941309-08	Soil	09/10/19
9	B-11 (6-7)	L1941309-09	Soil	09/10/19
10	B-11 (0-1)	L1941309-10	Soil	09/10/19
11	B-6 (10-11)	L1941309-11	Soil	09/10/19
12	B-6 (7-8)	L1941309-12	Soil	09/10/19
13	B-6 (1-2)	L1941309-13	Soil	09/10/19
14	B-10 (2-3)	L1941309-14	Soil	09/10/19
15	B-10 (7-8)	L1941309-15	Soil	09/10/19
16	B-10 (11-12)	L1941309-16	Soil	09/10/19
17	B-15 (3-4)	L1941309-17	Soil	09/10/19

LDC #: 46420B3b
SDG #: L1941309
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 11/21/19
Page: 2 of 2
Reviewer: EF
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

18 V	B-15 (6-7)	L1941309-18	Soil	09/10/19
19				
20				
21				
22				
23				

Notes:

1	WG1283136-1 Blank						
2	WG1283156-1 Blank						
3	WG1284265-1 Blank						

LDC #: 46420B3b

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: ✓ GC ___ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
X. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

LDC #: 46420B36

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC __X_____ HPLC _____

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 1000ppb	Recalculated 1000ppb	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	4/9/2019	AR1260-1 CLP1	0.049	0.04927	0.050	0.050450	9.97	9.97
	ICAL15673								
			AR1260-1 CLP2	0.048	0.048	0.049	0.048770	5.96	5.96

LDC #: 46420B36

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC __X_____ HPLC _____

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 1000ppb	Recalculated 1000ppb	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	7/11/2019	AR1260-1 CLP1	0.054	0.0537	0.052	0.0522	7.73	7.73
	PEST 19								
			AR1260-1 CLP2	0.046	0.0463	0.046	0.0464	2.35	2.35

LDC #: 46420B36

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC __X_____ HPLC _____

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 1000ppb	Recalculated 1000ppb	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	7/28/2019	AR1260-1 CLP1	0.060	0.06042	0.060	0.05994	14.99	14.99
	PEST 7								
			AR1260-1 CLP2	0.053	0.05297	0.054	0.05447	14.48	14.48

LDC #: 46420B36

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC __X_____ HPLC _____

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 1000ppb	Recalculated 1000ppb	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	8/26/2019	AR1260-1 CLP1	0.059	0.05941	0.056	0.05553	13.71	13.71
	PEST 13								
			AR1260-1 CLP2	0.054	0.05402	0.050	0.04990	13.01	13.01

LDC #: 46420B3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(ICAL)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV PEST19 0930	9/13/19	PCB1260-1 cvp1	250 U	2374.259	2374.259	5	5
			PCB1260-1 cvp2	↓	2589.755	2589.755	3.6	3.6
2	CCV PEST 16 1713	9/13/19	↓	↓	2303.568	2303.568	7.9	7.9
					2186.643	2186.643	12.5	12.5
3	CCV PEST 7 1508	9/14/19	↓	↓	2346.474	2346.474	6.1	6.1
					2420.347	2420.347	3.2	3.2
4	CCV PEST 13 1002	9/15/19	↓	↓	2295.755	2295.755	8.2	8.2
					2111.858	2111.858	15.5	15.5

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420B3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(ICAL)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV PEST16 1018	9/14/19	PCB 1260-1 cvp1	250 U	2587.712	2587.712	3.5	3.5
			cvp2	↓	2663.666	2663.666	6.5	6.5
2	CCV PEST16 1713	9/13/19	↓	↓	2303.568	2303.568	7.9	7.9
					2186.643	2186.643	12.5	12.5
3	CCV PEST16 1515	9/14/19	↓	↓	2623.909	2623.909	5	5
					2754.99	2754.99	10.2	10.2
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420B3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer:

METHOD: GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	CLP1	500.0	317.46	63	63	0
TCMX	CLP2		304.492	61	61	
DCB	CLP1		335.225	67	67	
DCB	CLP2		317.951	64	64	

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 46420B36

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration; SA = Spike added
LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: WG1283136-2/3

Compound	Spike Added (ug/kg)		Spike Sample Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)										
Diesel (8015)										
Benzene (8021B)										
Methane (RSK-175)										
2,4-D (8151)										
Dinoseb (8151)										
Naphthalene (8310)										
Anthracene (8310)										
HMX (8330)										
2,4,6-Trinitrotoluene (8330)										
Phorate (8141A)										
Malathion (8141A)										
Formaldehyde (8315A)										
Aroclor 1260	98	199	164	146	83	83	73	73	13	11.5
			163.7	145.95						

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420B36

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: P2
2nd reviewer: CP

METHOD: GC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #3 , PCB 1260

Conc. = $\frac{169.0758\ (5)\ (1)}{(15.87)\ (5)\ (0.83}$

= 12.836 ug/kg

5/15.87 %S = 83

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Qualification
	#3	PCB 1260	12.9	12.836	
	PCB 1260-1	$= \frac{(530038027)(250.0)}{(154.9 \times 10^6)(0.048770)}$	= 176.326		
		1260-1 = 176.326			
		2 = 176.119			
		3 = 159.464			
		4 = 164.809			
		5 = 168.661			
		169.0758			

LDC #: 46420B96
SDG #: L1941309
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 11/26/19
Page: 1 of 2
Reviewer: FM
2nd Reviewer:

METHOD: LC/MS Perfluoroalkyl & Polyfluoroalkyl Substances (EPA Method 537M)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/Δ	
II.	LC/MS Instrument performance check	Δ	
III.	Initial calibration/ICV	A/Δ	r^2 individual ≤30% ICV≤30
IV.	Continuing calibration/ISC	SW	ccv ≤ 30
V.	Laboratory Blanks	SW	
VI.	Field blanks	SW	FB = 19
VII.	Matrix spike/Matrix spike duplicates (DUP)	SW/A	MS only
VIII.	Laboratory control samples	SW	
IX.	Field duplicates	N	
X.	Labeled Compounds	SW	LCS ID
VI.	Compound quantitation RL/LOQ/LODs	Δ	Results < RL > MDL = Jdet
XII.	Target compound identification	Δ	
XIII.	System performance	Δ	
XIV.	Overall assessment of data	Δ	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	B-2 (3-4)	L1941309-01	Soil	09/10/19
2	B-2 (6-7)	L1941309-02	Soil	09/10/19
3	B-7 (1-2)	L1941309-03	Soil	09/10/19
4	B-16 (3-4)	L1941309-04	Soil	09/10/19
5	B-16 (7-8)	L1941309-05	Soil	09/10/19
6	B-1 (2-3)	L1941309-06	Soil	09/10/19
7	B-1 (5-6)	L1941309-07	Soil	09/10/19
8	B-1 (10-11)	L1941309-08	Soil	09/10/19
9	B-11 (6-7)	L1941309-09	Soil	09/10/19
10	B-11 (0-1)	L1941309-10	Soil	09/10/19
11	B-6 (10-11)	L1941309-11	Soil	09/10/19
12	B-6 (7-8)	L1941309-12	Soil	09/10/19
13	B-6 (1-2)	L1941309-13	Soil	09/10/19
14	B-10 (2-3)	L1941309-14	Soil	09/10/19
15	B-10 (7-8)	L1941309-15	Soil	09/10/19

LDC #: 46420B96 **VALIDATION COMPLETENESS WORKSHEET** Date: 11/26/19
SDG #: L1941309 Category B Page: 2 of 2
Laboratory: Alpha Analytical, Inc. Reviewer: FJ
2nd Reviewer:

METHOD: LC/MS Perfluoroalkyl & Polyfluoroalkyl Substances (EPA Method 537M)

	Client ID	Lab ID	Matrix	Date
16	B-10 (11-12)	L1941309-16	Soil	09/10/19
17	B-15 (3-4)	L1941309-17	Soil	09/10/19
18	B-15 (6-7)	L1941309-18	Soil	09/10/19
19	FB	L1941309-19	Water	09/10/19
20	B-2 (3-4)MS	L1941309-01MS	Soil	09/10/19
21	B-2 (6-7)DUP	L1941309-02DUP	Soil	09/10/19
22				
23				
24				
25				
26				

Notes:

1	WG1287720-1Blank							
2	WG1287776-1Blank							
3	WG1290300-1Blank							

LDC #: 46420B96

VALIDATION FINDINGS CHECKLIST

Reviewer: [illegible]
2nd Reviewer: [illegible]

Method: LCMS (EPA Method 537M)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. LC/MS Instrument performance check				
Were the instrument performance reviewed and found to be within the validation criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤30%?			✓	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit criteria of ≥ 0.990?	✓			
Were all analytes within 70-130% or percent differences (%D) ≤30% of their true value for each calibration standard except the lowest point (50-150%)?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) of the continuing calibration ≤ 30%?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?	✓			
VI. Field blanks				
Were field blanks identified in this SDG?	✓			
Were target compounds detected in the field blanks?	✓			
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzedin this SDG?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch in this SDG?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		

LDC #: 46420 B9L

VALIDATION FINDINGS CHECKLIST

Reviewer: [illegible]
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	Findings/Comments
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?.			✓	
XI. Labeled Compounds				
Were labeled compound percent recoveries (%R) within the QC limits?		✓		
XII. Compound quantitation				
Did the laboratory reporting limits (RL) meet the QAPP RLs?	✓			
Did reported results include both branched and linear isomers?	✓			
Were the correct ion transition, labeled compound and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?		✓		
XIII. Target compound identification				
Was m/z 499 to m/z 80 transition used as the quantitation transition for PFOS?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Perfluorinated Alkyl Acids (EPA Method 537M)

Analyte	Acronym	CAS RN
A. Perfluorobutanoic acid	PFBA	375-22-4
B. Perfluorobutanesulfonic acid	PFBS	375-73-5
C. Perfluorodecanoic acid	PFDA	335-76-2
D. Perfluorodecanesulfonic acid	PFDS	335-77-3
E. Perfluorododecanoic acid	PFDoA	307-55-1
F. Perfluoroheptanoic acid	PFHpA	375-85-9
G. Perfluoroheptanesulfonic acid	PFHpS	375-92-8
H. Perfluorohexanoic acid	PFHxA	307-24-4
I. Perfluorohexanesulfonic acid	PFHxS	355-46-4
J. Perfluorononanoic acid	PFNA	375-95-1
K. Perfluorooctanoic acid	PFOA	335-67-1
L. Perfluorooctanesulfonic acid	PFOS	1763-23-1
M. Perfluoropentanoic acid	PFPeA	2706-90-3
N. Perfluorotetradecanoic acid	PFTA	376-06-7
O. Perfluorotridecanoic acid	PFTrDA	72629-94-8
P. Perfluoroundecanoic acid	PFUnA	2058-94-8
Q. Perfluorooctanesulfonamide	FOSA	754-91-6
R. N-Methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9
S. N-Ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6
T. 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2FTS)	6:2FTS	27619-97-2
U. 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2FTS)	8:2 FTS	39108-34-4

LDC #: 46420B96

VALIDATION FINDINGS WORKSHEET
Continuing Calibration/Instrument Sensitivity Check

Page: 1 of 1
Reviewer: LB
2nd Reviewer:

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration analyzed prior to sample analysis, after every 10 samples and at the end of the analytical sequence?
Y N N/A Were all continuing calibration percent differences (%D) ≤30 %?
Y N N/A Were all instrument sensitivity check (ISC) percent differences (%D) ≤30 %?

#	Date	Standard ID	Compound	Finding %D (Limit: <30.0%)	Finding RRF (Limit:)	Associated Samples	Qualifications
	9/25/19 1037	CCV-WG128834-1 (LOW)	Br-I	68.1 (≤50%)		All water	J/UJ/P qual I (ND)
	9/30/19 0339	CCV-WG128993-5 (LOW)	BR-I G	53 (≤50%) 52.1 (↓)		4-11, 13, 20, WG128777-1	J/UJ/P qual I (ND) J/UJ/P qual G ↓

CONCAL-LCMS.wpd

LDC #: 46420B96

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all samples associated with a given method blank?
Y N N/A Was a method blank performed for each matrix and whenever a sample extraction procedure was performed?
Y N N/A Was a method blank performed with each extraction batch?
Y N N/A Were any contaminants found in the method blanks? If yes, please see findings below.

Blank extraction date: 9/24/19 **Blank analysis date:** 9/25/19
Conc. units: ng/L **Associated samples:** All water

Compound	Blank ID	Sample Identification								
	WG1287720-1Blank	19								
H	0.428		0.490 / 2.07U							

Blank extraction date: 9/24/19 **Blank analysis date:** 9/30/19 **Associated samples:** 1 → 11, 13 → 18
Conc. units: ng/kg

Compound	Blank ID	Sample Identification								
	WG1287776-1Blank	6	7	14	15	16 → 18	17 → 19			
A	0.126									
H	0.059		0.054 / 1.00U	0.050 / 0.942U	0.055 / 0.993U	0.060 / 1.02U	0.057 / 1.04U	0.085 / 1.08U		

ALL CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC #: 46420B96

VALIDATION FINDINGS WORKSHEET
Blanks

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all samples associated with a given method blank?
Y N N/A Was a method blank performed for each matrix and whenever a sample extraction procedure was performed?
Y N N/A Was a method blank performed with each extraction batch?
Y N N/A Were any contaminants found in the method blanks? If yes, please see findings below.

Blank extraction date: 9/30/19 **Blank analysis date:** 10/2/19
Conc. units: ug/Kg **Associated samples:** 12 (ND)

Compound	Blank ID	Sample Identification								
	WG1290300-1Blank									
A	0.12Z									

Blank extraction date: _____ **Blank analysis date:** _____ **Associated samples:** _____
Conc. units: _____

Compound	Blank ID	Sample Identification								

ALL CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC #: 46420B96

VALIDATION FINDINGS WORKSHEET
Field Blanks

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: LC/MS PFAS (EPA Method 537M)

Y N N/A Were field blanks identified in this SDG?
Y N N/A Were target compounds detected in the field blanks?

Blank units: ng/L **Associated sample units:** ng/Kg
Sampling date: 9/10/19 9/10/19
Field blank type: (circle one) Trip Blank/Field Blank / Rinsate / Other: FB Associated Samples: All soils

Compound	Blank ID	Sample Identification								
	19	6	7	14	15	~~13~~ 18	~~15~~ 17	~~19~~ FB	12	16
H ~	0.490	0.054 / 1.00U	0.050 / 0.942U	0.055 / 0.993U	0.060 / 1.02U	0.057 / 1.04U	0.085 / 1.08U	0.490 / ~~2.07U~~	0.057 / 1.04U	0.057 / 1.04U

Blank units: _____ **Associated sample units:** _____
Sampling date: _____
Field blank type: (circle one) Field Blank / Rinsate / Other: _____ Associated Samples: _____

Compound	Blank ID	Sample Identification								

Privileged and Confidential

LDC #: 46420B96

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates/Duplicates

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) or duplicate sample analyzed for each matrix in this SDG?
Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?
Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?
Y N N/A Were all duplicate sample relative percent differences (RPD) or differences within QC limits?

#	Date	MS/MSD/DUP ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		20	R	150 (63-144)			1	J det /A ND

LDC #: 46420B96

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	WG1287720-2/3	O	163 (48-158)	( )	( )	All water	J det / P (ND)
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
	WG1287776-2/3	Q	32 (67-137)	164 (67-137)	( )	1→11, 13→18	J/W/P ND+Det
		Q	( )	( )	135 (30)	WG1287776-1Blank	J det / P ↓
			( )	( )	( )		
			( )	( )	( )		#4, 9→11 Det
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

Privileged and Confidential

LDC #: 46420B96

VALIDATION FINDINGS WORKSHEET
Labeled Compounds

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: LC/MS PFAS (EPA Method 537M)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
Y (N) N/A Were all labeled compound recoveries within the QC criteria?

#	Date	Lab ID/Reference	Labeled Compound	% Recovery	(Limit)	Qualifications	
		1	D3-R	24	(45-137)	J/UJ/P	all ND
			MB-Q	0	(1-125)	J/R/P	
			D5-S	30	(42-136)	J/UJ/P	
					( )		
					( )		
					( )		
		6	D3-R	25	(45-137)	J/UJ/P	all ND
			D5-S	34	(42-136)	J/UJ/P	
					( )		
		7	M-A	47	(60-153)	J/UJ/P	
			M5-M	54	(65-182)	↓	
			~~MB-B M3-B~~		( )		
			M5-H	54	(61-147)	J/UJ/P	ND + Det
			M4-F	61	(62-149)	↓	↓
			D3-R	~~25~~ 31	(45-137)	↓	↓
			M8-Q	0	(1-125)	J/R/P	ND
			D5-S	30	(42-136)	J/UJ/P	ND + Det
					( )		
		10	M-A	3	(60-153)	J/UJ/P	ND + Det
			M5-M	4	(65-182)	↓	
			~~-B~~	~~9~~	( )		
			M5-H	5	(61-147)	J/UJ/P	
			M4-F	10	(62-149)		
			M8-K	17	(63-166)		
			M9-J	25	(61-154)		
			M6-C	34	(65-150)		
			D3-R	23	(45-137)		
			M7-P	48	(45-137)	↓	

LDC #: 46420896

VALIDATION FINDINGS WORKSHEET
Labeled Compounds

Reviewer: EF
2nd Reviewer:

METHOD: LC/MS PFAS (EPA Method 537M)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
Y N N/A Were all labeled compound recoveries within the QC criteria?

#	Date	Lab ID/Reference	Labeled Compound	% Recovery	(Limit)	Qualifications
		10	D5 - S	25	(42-136)	J|UJ|P ND + Det
			M - E	49	(56-148)	↓
					( )	
					( )	
		12	D3 - R	34	(45-137)	J|UJ|P ND + Det
			D5 - S	36	(42-136)	
					( )	
		13	D3 - R	26	(45-137)	J|UJ|P ND
			D5 - S	28	(42-136)	↓
					( )	
		20	D3 - R	26	(45-137)	MS no qual
			D5 - S	35	(42-136)	↓
					( )	
					( )	
		WG1287776-1Blank	MX - Q	0	(1-125)	J|R|P
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	
					( )	

LDC#: 46420B96

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: LC/MS PFCs (EPA Method 537Mod)

Calibration Date	Instrument	Compound	Standard	(Y) Area ratio	(X) Conc ratio	CF
9/12/2019	LCMS02	L-PFOA	0.500	0.04462	0.050	0.892
			1.000	0.08932	0.100	0.893
			5.000	0.43706	0.500	0.874
			10.000	0.85671	1.000	0.857
			50.000	4.22303	5.000	0.845
			125.000	9.59165	12.500	0.767
			150.000	12.59993	15.000	0.840
			250.000	21.88533	25.000	0.875
					Ave	0.853

Regression Output	*Calculated*	*Reported*
Constant	*0.000000*	*0.000000*
Std Err of Y Est		
R Squared	*0.998079*	*0.997563*
Degrees of Freedom		
X Coefficient(s)	*0.81053498*	*0.840704*
Std Err of Coef.		
Correlation Coefficient	*0.999039*	
Coefficient of Determination (r^2)	*0.998079*	*0.997563*

LDC#: 46420B96

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: LC/MS PFCs (EPA Method 537Mod)

Calibration Date	Instrument	Compound	Standard	(Y) Area ratio	(X) Conc ratio	CF
9/12/2019	LCMS02	L-PFOS	0.365	0.03406	0.037	0.933
			0.730	0.07316	0.073	1.002
			3.650	0.33577	0.365	0.920
			7.300	0.59558	0.730	0.816
			36.500	3.13036	3.650	0.858
			91.300	7.66599	9.130	0.840
			109.500	9.52611	10.950	0.870
			182.500	18.03433	18.250	0.988
					Ave	0.891

Regression Output	*Calculated*	*Reported*
Constant	*0.000000*	*0.000000*
Std Err of Y Est		
R Squared	*0.999707*	*0.994553*
Degrees of Freedom		
X Coefficient(s)	*0.85802581*	*0.912363*
Std Err of Coef.		
Correlation Coefficient	*0.999854*	
Coefficient of Determination (r^2)	*0.999707*	*0.994553*

LDC #: 46420B96

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT
2nd Reviewer:

METHOD: LCMS PFAS (EPA Method 537M)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Actual Amount	Reported Amount (CC)	Recalculated Amount (CC)	Reported %R	Recalculated %R
1	CCV 1037	9/25/19	PFOA (M8PFOA)	0.50	0.537	0.537	107.4	107.4
	I10051		L-PFOS (M8PFOS)	0.365	0.370	0.370	101.3	101.3
	LOW							
2	CCV 2330	9/29/19	PFOA (M8PFOA)	10.0	10.237	10.237	102.4	102.4
	I100347		L-PFOS (M8PFOS)	7.30	6.746	6.746	92.4	92.4
	MED							
3	CCV 0339	9/30/19	PFOA (M8PFOA)	0.500	0.543	0.543	108.6	108.6
	I10362		L-PFOS (M8PFOS)	0.365	0.442	0.442	121	121
	LOW							

Comments: Refer to Routine Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420B96

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT
2nd Reviewer:

METHOD: LCMS PFAS (EPA Method 537M)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Actual Amount	Reported Amount (CC)	Recalculated Amount (CC)	Reported %R	Recalculated %R
1	CCV 0747	9/30/19	PFOA (M8PFOA)	10.0	10.154	10.154	101.5	101.5
	I10377		L-PFOS (M8PFOS)	7.30	7.117	7.117	97.5	97.5
	MED							
2	CCV 1459	10/2/19	PFOA (M8PFOA)	0.500	0.497	0.497	99.4	99.4
	I10557		L-PFOS (M8PFOS)	0.365	0.318	0.318	87.1	87.1
	LOW							
3			PFOA (M8PFOA)					
			L-PFOS (M8PFOS)					

Comments: Refer to Routine Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420B96

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: LC/MS/MS Perfluorinated Alkyl Acids in Drinking Water (EPA Method 537)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSR - SR)/SA Where: SSR = Spiked sample result, SR = Sample result
SA = Spike added

RPD = I MSR - MSDR I * 2/(MSR + MSDR) MSR = Matrix spike percent recovery MSDR = Matrix spike duplicate percent recovery

MS/MSD samples: 20

Compound	Spike Added (ug/kg)		Sample Concentration (ug/kg)	Spiked Sample Concentration (ug/kg)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		Reported RPD	Recalculated RPD
	MS	MSD	------	MS	MSD	Reported	Recalc	Reported	Recalc	----	----
PFOA	4.52	NA	ND	5.65	NA	125	125				
PFOS	4.18	↓	ND	5.13	↓	123	123	NA			

Comments: Refer to Matrix Spike/Matrix Spike Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420B76

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: LC/MS PFAS (EPA Method 537M)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: WG1287776-2/3

Compound	Spike Added (ng/Kg)		Spike Concentration (ng/Kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
PFOA	5	5	6.27	5.91	125	125	118	118	6	6
PFOS	4.63	4.63	5.32	5.53	115	115	119	119	3	3

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

Privileged and Confidential

LDC #: 46420B96

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: FM
2nd reviewer:

METHOD: LC/MS PFAS (EPA Method 537M)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #3 , L-PFOS

Conc. = $\frac{\frac{1459}{7365}(10)}{0.912363}$

= 2.171

2ml / 4.18g %S = 83 (82.5)

#	Sample ID	Compound	Reported Concentration (ng/kg)	Calculated Concentration (ng/kg)	Qualification
	#3	PFOS	1.73	1.732	
	L-PFOS = 2.171				
	Br-PFOS = 0.815				
	Total PFOS = 2.986				
	final	conc. = $\frac{2.986\ (2)}{(4.18)(0.825)}$	= 1.732		

Privileged and Confidential

Site: 33 Centre Avenue
Laboratory: Alpha Analytical, Inc.
Report No.: L1941309
Reviewer: An Le and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date: November 26, 2019

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
B-2 (3-4)	L1941309-01	Metals, Total Cyanide
B-2 (6-7)	L1941309-02	Metals, Total Cyanide
B-7 (1-2)	L1941309-03	Metals, Total Cyanide
B-16 (3-4)	L1941309-04	Metals, Total Cyanide
B-16 (7-8)	L1941309-05	Metals, Total Cyanide
B-1 (2-3)	L1941309-06	Metals, Total Cyanide
B-1 (5-6)	L1941309-07	Metals, Total Cyanide
B-1 (10-11)	L1941309-08	Metals, Total Cyanide
B-11 (6-7)	L1941309-09	Metals, Total Cyanide
B-11 (0-1)	L1941309-10	Metals, Total Cyanide
B-6 (10-11)	L1941309-11	Metals, Total Cyanide
B-6 (7-8)	L1941309-12	Metals, Total Cyanide
B-6 (1-2)	L1941309-13	Metals, Total Cyanide
B-10 (2-3)	L1941309-14	Metals, Total Cyanide
B-10 (7-8)	L1941309-15	Metals, Total Cyanide
B-10 (11-12)	L1941309-16	Metals, Total Cyanide
B-15 (3-4)	L1941309-17	Metals, Total Cyanide
B-15 (6-7)	L1941309-18	Metals, Total Cyanide
B-2 (3-4)MS	L1941309-01MS	Metals, Total Cyanide
B-2 (3-4)MSD	L1941309-01MSD	Total Cyanide
B-2 (3-4)DUP	L1941309-01DUP	Metals

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed soil samples were collected on September 10, 2019 and were analyzed for metals by SW-846 methods 6010D/7471B and total cyanide by SW-846 methods 9010C/9012B. The data validation was performed in accordance with USEPA Region 2 *Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program,* SOP HW-3a/c, Revision 1 (September 2016) and the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review,* EPA 540-R-2017-001 (January 2017), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)/Standard Reference Material (SRM) Results
- Serial Dilution Results
- Moisture Content
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met.

CRQL Standard Recoveries

Metals

All criteria were met.

Blank Results

Metals

Analytes were detected below the reporting limits in the laboratory blank samples. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Arsenic Chromium Sodium	0.096 mg/Kg 0.052 mg/Kg 2.87 mg/Kg	RL RL RL	B-2 (3-4) B-2 (6-7) B-7 (1-2) B-16 (3-4) B-16 (7-8) B-1 (2-3) B-1 (5-6) B-1 (10-11) B-11 (6-7) B-11 (0-1) B-6 (10-11) B-6 (7-8) B-6 (1-2) B-10 (2-3) B-10 (7-8) B-10 (11-12) B-15 (3-4) B-15 (6-7)
ICB/CCB	Selenium	0.00510 mg/L	0.255 mg/Kg	B-2 (3-4) B-2 (6-7) B-7 (1-2) B-16 (3-4) B-16 (7-8) B-1 (2-3) B-1 (5-6) B-1 (10-11) B-11 (6-7) B-11 (0-1) B-6 (10-11) B-6 (7-8) B-6 (1-2) B-10 (2-3) B-10 (7-8) B-10 (11-12) B-15 (3-4) B-15 (6-7)
ICB/CCB	Antimony Sodium	0.010 mg/L 0.0837 mg/L	0.500 mg/Kg 4.185 mg/Kg	B-2 (3-4)

Blank Actions for analytes detected below the reporting limit(RL).
If the sample result is < RL, report the result as nondetect (U) at the RL.
If the sample result is > RL or nondetect, no action is required.
Blank Actions for analytes detected above the reporting limit or RL.
If the sample result is < RL and <action level; report the result as nondetect (U) at the RL.
If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.
If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
B-2 (3-4)	Sodium Selenium	144 mg/Kg 0.432 mg/Kg	163U mg/Kg 1.63U mg/Kg
B-2 (6-7)	Arsenic Selenium	0.858 mg/Kg 0.239 mg/Kg	0.885U mg/Kg 1.77U mg/Kg
B-1 (2-3)	Sodium	160 mg/Kg	168U mg/Kg
B-1 (5-6)	Arsenic Selenium	0.624 mg/Kg 0.337 mg/Kg	0.822U mg/Kg 1.64U mg/Kg
B-1 (10-11)	Arsenic	0.583 mg/Kg	0.798U mg/Kg
B-6 (10-11)	Sodium Selenium	152 mg/Kg 0.249 mg/Kg	166U mg/Kg 1.66U mg/Kg
B-6 (7-8)	Sodium Selenium	102 mg/Kg 0.265 mg/Kg	166U mg/Kg 1.66U mg/Kg
B-6 (1-2)	Sodium Selenium	89.0 mg/Kg 0.734 mg/Kg	179U mg/Kg 1.79U mg/Kg
B-7 (1-2)	Selenium Antimony	0.508 mg/Kg 0.379 mg/Kg	1.85U mg/Kg 4.62U mg/Kg
B-16 (3-4)	Selenium	0.235 mg/Kg	1.62U mg/Kg
B-11 (0-1)	Selenium Antimony	0.652 mg/Kg 0.416 mg/Kg	1.89U mg/Kg 4.72U mg/Kg
B-10 (7-8)	Selenium	0.285 mg/Kg	1.73U mg/Kg
B-15 (3-4)	Selenium	0.324 mg/Kg	1.71U mg/Kg
B-15 (6-7)	Selenium	0.264 mg/Kg	1.76U mg/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Total Cyanide

Analytes were detected below the reporting limits in the laboratory blank sample. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
ICB/CCB	Cyanide	0.22550 mg/L	RL	B-2 (3-4) B-2 (6-7) B-7 (1-2) B-16 (7-8) B-1 (2-3) B-1 (5-6) B-1 (10-11) B-11 (6-7) B-11 (0-1) B-6 (10-11)

Blank Actions for analytes detected below the reporting limit(RL).
If the sample result is < RL, report the result as nondetect (U) at the RL.
If the sample result is > RL or nondetect, no action is required.
Blank Actions for analytes detected above the reporting limit or RL.
If the sample result is < RL and <action level; report the result as nondetect (U) at the RL.
If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.
If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
B-11 (0-1)	Cyanide	0.65 mg/Kg	1.1U mg/Kg

This result can be used for project objectives as a nondetect (U) which may have a minor impact on the data usability.

A field blank was not associated with this sample set. Validation action was not required on this basis.

ICP ICS Results

Metals

Analytes were within control limits in the ICSA and ISCAB analyses.

MS/MSD Results

Metals

MS analyses were performed on sample B-2 (3-4) for metals analyses. The following table lists the MS percent recoveries (%R) outside of control limits in the metals analyses and the resulting validation actions.

MS ID	Analyte	MS %R (Limits)	Affected Sample	Validation Action
B-2 (3-4)MS	Mercury	70 (80-120)	B-2 (3-4) B-2 (6-7) B-7 (1-2) B-16 (3-4) B-16 (7-8) B-1 (2-3) B-1 (5-6) B-1 (10-11) B-11 (6-7) B-11 (0-1) B-6 (10-11) B-6 (7-8) B-6 (1-2) B-10 (2-3) B-10 (7-8) B-10 (11-12) B-15 (3-4) B-15 (6-7)	J detects/UJ nondetects

The mercury results may be biased low due to low MS percent recovery. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Total Cyanide

MS/MSD analyses were performed on samples B1ICOMP (from SDG L1941307) and B-2 (3-4) for total cyanide analysis. All criteria were met.

Laboratory Duplicate Results

Metals

Laboratory duplicates were performed on sample B-2 (3-4) for metals analyses. The following table lists the duplicate relative percent differences (RPD) outside of control limits in the metals analyses and the resulting validation actions.

Dup ID	Analyte	RPD (Limits)	Affected Sample	Validation Action
B-2 (3-4)DUP	Chromium	22 (≤20)	B-2 (3-4) B-2 (6-7) B-7 (1-2) B-16 (3-4) B-16 (7-8) B-1 (2-3) B-1 (5-6) B-1 (10-11) B-11 (6-7) B-11 (0-1) B-6 (10-11) B-6 (7-8) B-6 (1-2) B-10 (2-3) B-10 (7-8) B-10 (11-12) B-15 (3-4) B-15 (6-7)	J detects

The chromium results were estimated due to duplicate relative percent difference exceedance. The bias cannot be determined. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

Total Cyanide

Laboratory duplicates were not associated with this sample set. Validation action was not required on this basis.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

LCS/SRM Results

Metals

All criteria were met.

Total Cyanide

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the total cyanide analysis and the resulting validation actions.

LCS ID	Analyte	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
LCSD	Cyanide	-	74 (80-120)	B-6 (1-2) B-10 (2-3)	UJ nondetects

LCS ID	Analyte	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
LCSD4	Cyanide	-	70 (80-120)	B-10 (7-8) B-10 (11-12) B-15 (3-4) B-15 (6-7)	UJ nondetects

- Within control limits

The cyanide results may be biased low due to low LCS/LCSD percent recoveries. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Serial Dilution Results

Metals

A serial dilution analysis was performed on sample B-2 (3-4) for metals analyses. The following table lists the serial dilution percent differences (%D) outside of control limits in the metals analyses and the resulting validation actions.

Diluted Sample	Analyte	%D (Limits)	Associated Samples	Validation Actions
B-2 (3-4)	Iron	11 (≤10)	B-2 (3-4)	J detects
	Magnesium	13 (≤10)	B-2 (6-7)	J detects
	Manganese	11 (≤10)	B-7 (1-2)	J detects
			B-16 (3-4)	
			B-16 (7-8)	
			B-1 (2-3)	
			B-1 (5-6)	
			B-1 (10-11)	
			B-11 (6-7)	
			B-11 (0-1)	
			B-6 (10-11)	
			B-6 (7-8)	
			B-6 (1-2)	
			B-10 (2-3)	
			B-10 (7-8)	
			B-10 (11-12)	
			B-15 (3-4)	
			B-15 (6-7)	

The iron, magnesium, and manganese results were estimated due to serial dilution percent difference exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

Moisture Content

All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the metals and total cyanide analyses. These results were estimated (J) by the laboratory.

Due to high target analyte levels or sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	Metals analyses Reported
B-2 (3-4) B-2 (6-7) B-7 (1-2) B-16 (3-4) B-16 (7-8) B-1 (2-3) B-1 (5-6) B-1 (10-11) B-11 (6-7) B-11 (0-1) B-6 (10-11) B-6 (7-8) B-6 (1-2) B-10 (7-8) B-10 (11-12) B-15 (3-4) B-15 (6-7)	2-fold dilution due to sample matrix for 6010D metals
B-10 (2-3)	20-fold dilution due to high analyte levels for calcium 2-fold dilution due to sample matrix for 6010D metals except calcium

Dilutions were not required for total cyanide analysis.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 46420B4b
SDG #: L1941309
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 11/22/19
Page: 1 of 2
Reviewer: ATV
2nd Reviewer:

METHOD: Metals (EPA SW 846 Method 6010D/7471B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	A	
IV.	Laboratory Blanks	SW	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	SW	19
VII.	Duplicate sample analysis	SW	20
VIII.	Serial Dilution	SW	
IX.	Laboratory control samples	A	LCS / SRM
X.	Field Duplicates	N	
XI.	Sample Result Verification	A	MDL < samples < RL : J det
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	6010D	Lab ID	Matrix	Date
1	B-2 (3-4)	(2x due to matrix interferences)	L1941309-01	Soil	09/10/19
2	B-2 (6-7)		L1941309-02	Soil	09/10/19
3	B-7 (1-2)		L1941309-03	Soil	09/10/19
4	B-16 (3-4)		L1941309-04	Soil	09/10/19
5	B-16 (7-8)		L1941309-05	Soil	09/10/19
6	B-1 (2-3)		L1941309-06	Soil	09/10/19
7	B-1 (5-6)		L1941309-07	Soil	09/10/19
8	B-1 (10-11)		L1941309-08	Soil	09/10/19
9	B-11 (6-7)		L1941309-09	Soil	09/10/19
10	B-11 (0-1)		L1941309-10	Soil	09/10/19
11	B-6 (10-11)		L1941309-11	Soil	09/10/19
12	B-6 (7-8)		L1941309-12	Soil	09/10/19
13	B-6 (1-2)		L1941309-13	Soil	09/10/19
14	B-10 (2-3)	(20X-high target (Ca), 2X-matrix inter.)	L1941309-14	Soil	09/10/19
15	B-10 (7-8)	(2x due to matrix interferences)	L1941309-15	Soil	09/10/19
16	B-10 (11-12)		L1941309-16	Soil	09/10/19
17	B-15 (3-4)		L1941309-17	Soil	09/10/19

LDC #: 46420B4b
SDG #: L1941309
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 11/22/19
Page: 2 of 2
Reviewer: ATV
2nd Reviewer:

METHOD: Metals (EPA SW 846 Method 6010D/7471B)

	Client ID	Lab ID	Matrix	Date
18	B-15 (6-7) (2x due to matrix interferences)	L1941309-18	Soil	09/10/19
19	B-2 (3-4)MS	L1941309-01MS	Soil	09/10/19
20	B-2 (3-4)DUP	L1941309-01DUP	Soil	09/10/19
21				
22				
23				
24				
25				

Notes:

LDC #: 46420B4b

VALIDATION FINDINGS CHECKLIST

Reviewer: AM
2nd Reviewer:

Method: Metals (EPA SW 846 Method 6010/6020/7000)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. ICP/MS Tune				
Were all isotopes in the tuning solution mass resolution within 0.1 amu?			✓	
Were %RSD of isotopes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial and continuing calibration verification %Rs within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low standard checks within 70-130%			✓	
Were all initial calibration correlation coefficients within limits as specified by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.	✓			
V. ICP Interference Check Sample				
Were ICP interference check samples performed daily?	✓			
Were the AB solution percent recoveries (%R) with the 80-120% QC limits?	✓			
VI. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water.	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.		✓		
Were the MS/MSD or duplicate relative percent differences (RPD) ≤ 20% for waters and ≤ 35% for soil samples? A control limit of +/- RL(+/-2X RL for soil) was used for samples that were ≤ 5X the RL, including when only one of the duplicate sample values were ≤ 5X the RL.	✓			
VII. Laboratory control samples				
Was an LCS anaylzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% QC limits for water samples and laboratory established QC limits for soils?	✓			

Validation Area	Yes	No	NA	Findings/Comments
VIII. Internal Standards (EPA SW 846 Method 6020/EPA 200.8)				
Were all the percent recoveries (%R) within the 30-120% (6020)/60-125% (200.8) of the intensity of the internal standard in the associated initial calibration?			✓	
If the %Rs were outside the criteria, was a reanalysis performed?			✓	
IX. ICP Serial Dilution				
Was an ICP serial dilution analyzed if analyte concentrations were > 50X the MDL (ICP)/>100X the MDL(ICP/MS)?	✓			
Were all percent differences (%Ds) < 10%?		✓		
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.		✓		
X. Sample Result Verification				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XII. Field duplicates				
Field duplicate pairs were identified in this SDG.	~~✓~~	✓		
Target analytes were detected in the field duplicates.			✓	
XIII. Field blanks				
Field blanks were identified in this SDG.		✓		
Target analytes were detected in the field blanks.			✓	

LDC #: 46420B4b

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: ATL
2nd reviewer:

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1->18	S	(Al) (Sb) (As) (Ba) (Be) (Cd) (Ca) (Cr) (Co) (Cu) (Fe) (Pb) (Mg) (Mn) (Hg) (Ni) (K) (Se) (Ag) (Na) (Tl) (V) (Zn) Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
QC		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
19,20	S	(Al) (Sb) (As) (Ba) (Be) (Cd) (Ca) (Cr) (Co) (Cu) (Fe) (Pb) (Mg) (Mn) Hg, (Ni) (K) (Se) (Ag) (Na) (Tl) (V) (Zn) Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
Analysis Method		
ICP		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
ICP-MS		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____
GFAA		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ____

Comments: Mercury by CVAA if performed

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace metals (EPA SW 864 Method 6010B/6020/7000) Soil preparation factor applied: NA
Sample Concentration units, unless otherwise noted: mg/kg Associated Samples: All

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Action Level	1	2	6	7	8	11	12	13	3
As	0.096					0.858/0.885		0.624/0.822	0.583/0.798				
Cr	0.052												
Na	2.87				144/163		160/168			152/166	102/166	89.0/179	
Se			0.00510	0.255	0.432//1.63	0.239/1.77		0.337/1.64		0.249/1.66	0.265/1.66	0.734/1.79	0.508/1.85

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Action Level	4	10	15	17	18				
Se			0.00510	0.255	0.235/1.62	0.652/1.89	0.285/1.73	0.324/1.71	0.264/1.76				

Sample Concentration units, unless otherwise noted: mg/kg Associated Samples: 1

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Action Level	1								
Sb			0.010	0.500									
Na			0.0837	4.185	144/163								

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace metals (EPA SW 864 Method 6010B/6020/7000)
Soil preparation factor applied: NA
Sample Concentration units, unless otherwise noted: mg/kg
Associated Samples: 2 to 18

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Action Level	3	10							
Sb			0.0096	0.48	0.379/4.62	0.416/4.72							
Fe			0.0168	0.840									

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".
Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 46420B4b

VALIDATION FINDINGS WORKSHEET
Matrix Spike

Reviewer: ATL
2nd Reviewer:

METHOD: Trace metals (EPA SW 846 Method 6010/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a matrix spike analyzed for each matrix in this SDG?

Y (N) N/A Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	MS ID	Matrix	Analyte	MS %Recovery	Associated Samples	Qualifications
	19	S	Hg	70 (80-120)	all	J/UJ/A (non-detect/detect)

Comments: 19: Al, Fe, Mn, K > 4X

LDC #: 46420B4b

VALIDATION FINDINGS WORKSHEET
Duplicate Analysis

Reviewer: ATL
2nd Reviewer:

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a duplicate sample analyzed for each matrix in this SDG?

Y (N) N/A Were all duplicate sample relative percent differences (RPD) ≤ 20% for water samples and ≤ ~~35~~ 20% for soil samples? If no, see qualifications below. A control limit of ±R.L. (±2X R.L. for soil) was used for sample values that were <5X the R.L., including the case when only one of the duplicate sample values was <5X R.L.. If field blanks were used for laboratory duplicates, note in the Overall Assessment.

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	Duplicate ID	Matrix	Analyte	RPD (Limits)	Difference (Limits)	Associated Samples	Qualifications
		20	S	As		1.36mg/kg (≤ 1.63)	all	no qual
				Cr	22 (≤ 20%)		all	J/UJ/A (all detect)

Comments:

LDC #: 46420B4b

VALIDATION FINDINGS WORKSHEET
ICP Serial Dilution

Reviewer: ATL
2nd Reviewer:

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A If analyte concentrations were > 50X the MDL (ICP) ,or >100X the MDL (ICP/MS), was a serial dilution analyzed?
(Y) N N/A Were ICP serial dilution percent differences (%D) ≤10%?
Y (N) N/A Is there evidence of negative interference? If yes, professional judgement will be used to qualify the data.

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Diluted Sample ID	Matrix	Analyte	%D (Limits)	Associated Samples	Qualifications
	1	S	Fe	11 (≤10%)	all	J/UJ/A (all detect)
			Mg	13 (≤10%)	all	J/UJ/A (all detect)
			Mn	11 (≤10%)	all	J/UJ/A (all detect)

Comments:

LDC #: 46420B4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATL
2nd Reviewer:

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found / True x 100 ' Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration) 9/16 e 9:30	Al	0.5200 mg/L	0.500 mg/L	104	104	Y
	ICP/MS (Initial calibration)						
ICV	CVAA (Initial calibration) 9/16 e 10:49	Hg	0.00329 mg/L	0.00300 mg/L	110	110	Y
CCV	ICP (Continuing calibration) 9/16 e 16:01	Mn	0.489 mg/L	0.500 mg/L	98	98	Y
	ICP/MS (Continuing calibration)						
CCV	CVAA (Continuing calibration) 9/16 e 20:21	Hg	0.009566 mg/L	0.0100 mg/L	96	96	Y

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 46420B4b

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL
2nd Reviewer: [illegible]

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
			mg/kg	mg/kg			
ICSA	ICP interference check 9/16 e 08:26	Ca	255 mg/L	250 mg/L	102	102	Y
LCS	Laboratory control sample 9/16 e 19:45	Hg	6.46	7.61	85	85	Y
19	Matrix spike 9/16 e 14:37	Cd	(SSR-SR) 3.324	4.060	82	82	Y
20	Duplicate 9/16 e 14:41	K	2933	3300	11.8	11	Y
	Post digestion spike						
1	ICP serial dilution 9/16 e 14:49	Fe	18750	16900	11	11	Y

Comments: _____

LDC #: 46420B4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL
2nd reviewer: C

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation: #10

$0.2598 \times \left(\frac{50}{1.3}\right) \times 2 \div \frac{1}{0.81} = 24.67236 \approx 24.7$

#	Sample ID	Analyte	Reported Concentration (mg/kg)	Calculated Concentration (mg/kg)	Acceptable (Y/N)
	1	Zn (9/16 @ 14:33)	46.9	46.8	Y
	2	V (9/16 @ 15:16)	49.4	49.3	
	3	Na (9/16 @ 15:20)	2610	2591	
	4	Ag (9/16 @ 15:25)	0.275	0.275	
	5	K (9/16 @ 15:29)	10900	10900	
	6	Ni (9/16 @ 15:34)	30.5	30.4	
	7	Se (9/16 @ 15:39)	0.337	0.338	
	8	Mn (9/16 @ 15:43)	515	517	
	9	Mg (9/16 @ 15:48)	2040	2040	
	10	Pb (9/16 @ 15:52)	24.6	24.7	
	11	Fe (9/16 @ 16:09)	14700	14700	
	12	Au (9/16 @ 16:14)	15.2	15.2	
	13	Co (9/16 @ 16:18)	9.09	9.05	
	14	Cr (9/16 @ 16:22)	10.2	10.2	
	15	Ca (9/16 @ 16:27)	15700	15700	
	16	Be (9/16 @ 16:31)	0.161	0.161	
	17	Ba (9/16 @ 16:36)	441	443	
	18	As (9/16 @ 16:40)	1.71	1.72	
	4	Hg (9/16 @ 20:02)	2.54	2.54	
	5	Hg (9/16 @ 20:04)	0.076	0.076	↓

Note:

LDC #: 46420B46

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL
2nd reviewer:

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Hg were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation: #10

$0.3309 \times \left(\frac{50}{0.392}\right) \times \frac{1}{1000} \times \frac{1}{0.81} = 0.052107$

≈ 0.052

#	Sample ID	Analyte	Reported Concentration (mg/kg)	Calculated Concentration (mg/kg)	Acceptable (Y/N)
	10	Hg (09/16 @ 20:13)	0.052	0.052	Y
	1->3, 6->9, 11->18	Hg	ND	ND	Y

Note:

LDC #: 46420B6
SDG #: L1941309
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 11/22/19
Page: 1 of 2
Reviewer: ATV
2nd Reviewer:

METHOD: (Analyte) Total Cyanide (EPA SW846 Method 9010C/9012B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A,A	
II	Initial calibration	A	
III.	Calibration verification	A	
IV	Laboratory Blanks	SW	
V	Field blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	A	(19,20). From SDG# L1941307 (WC-B1COMPMS/MSD)
VII.	Duplicate sample analysis	N	
VIII.	Laboratory control samples	SW	LCS/LCSD
IX.	Field duplicates	N	
X.	Sample result verification	A	MDL < samples < RL : Jdet
XI	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	B-2 (3-4)	L1941309-01	Soil	09/10/19
2	B-2 (6-7)	L1941309-02	Soil	09/10/19
3	B-7 (1-2)	L1941309-03	Soil	09/10/19
4	B-16 (3-4)	L1941309-04	Soil	09/10/19
5	B-16 (7-8)	L1941309-05	Soil	09/10/19
6	B-1 (2-3)	L1941309-06	Soil	09/10/19
7	B-1 (5-6)	L1941309-07	Soil	09/10/19
8	B-1 (10-11)	L1941309-08	Soil	09/10/19
9	B-11 (6-7)	L1941309-09	Soil	09/10/19
10	B-11 (0-1)	L1941309-10	Soil	09/10/19
11	B-6 (10-11)	L1941309-11	Soil	09/10/19
12	B-6 (7-8)	L1941309-12	Soil	09/10/19
13	B-6 (1-2)	L1941309-13	Soil	09/10/19
14	B-10 (2-3)	L1941309-14	Soil	09/10/19
15	B-10 (7-8)	L1941309-15	Soil	09/10/19
16	B-10 (11-12)	L1941309-16	Soil	09/10/19
17	B-15 (3-4)	L1941309-17	Soil	09/10/19

LDC #: 46420B6
SDG #: L1941309
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 11/22/19
Page: 2 of 2
Reviewer: ATL
2nd Reviewer:

METHOD: (Analyte) Total Cyanide (EPA SW846 Method 9010C/9012B)

	Client ID	Lab ID	Matrix	Date
18	B-15 (6-7)	L1941309-18	Soil	09/10/19
19	B-16 (7-8)MS	L1941309-05MS	Soil	09/10/19
20	B-16 (7-8)MSD	L1941309-05MSD	Soil	09/10/19
21				
22				
23				
24				
25				

Notes:

LDC #: 46420B6

VALIDATION FINDINGS CHECKLIST

Reviewer: AIL
2nd Reviewer:

Method: Inorganics (EPA Method See cover)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
II. Calibration				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial calibration correlation coefficients ≥ 0.995?	✓			
Were all initial and continuing calibration verification %Rs within the 90-110% QC limits?	✓			
Were titrant checks performed as required? (Level IV only)			✓	
Were balance checks performed as required? (Level IV only)			✓	
III. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.	✓			
IV. Matrix spike/Matrix spike duplicates and Duplicates				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water.	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.	✓			
Were the MS/MSD or duplicate relative percent differences (RPD) ≤ 20% for waters and ≤ 35% for soil samples? A control limit of ≤ CRDL(≤ 2X CRDL for soil) was used for samples that were ≤ 5X the CRDL, including when only one of the duplicate sample values were ≤ 5X the CRDL.	✓			
V. Laboratory control samples				
Was an LCS anaylzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% (85-115% for Method 300.0) QC limits?	✓	✓		
VI. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	

Validation Area	Yes	No	NA	Findings/Comments
VII. Sample Result Verification				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
Were detection limits < RL?	✓			
VIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
IX. Field duplicates				
Field duplicate pairs were identified in this SDG.		✓		
Target analytes were detected in the field duplicates.			✓	
X. Field blanks				
Field blanks were identified in this SDG.		✓		
Target analytes were detected in the field blanks.			✓	

LDC #: 46420B6

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: ATL
2nd Reviewer:

METHOD: Inorganics, Method See Cover

Conc. units: mg/kg **Associated Samples:** 1,2,3, 5 to 11

Analyte	Blank ID	Blank ID	Blank Action Limit									
	PB	ICB/CCB (mg/L)		10								
CN		0.22550	0.22550	0.65/1.1								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC #: 46420B6

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: ATL
2nd Reviewer:

METHOD: Inorganics, Method see cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a laboratory control sample (LCS) analyzed for each matrix in this SDG?

Y (N) N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	LCS/LCSD ID	Matrix	Analyte	LCS %R (limits)	LCSD %R (limits)	RPD (limits)	Associated Samples	Qualifications
	LCSD	S	CN		74 (80-120)		13,14	J/UJ/P (all non-detect)
	LCSD	S	CN		70 (80-120)		15 to 18	J/UJ/P (all non-detect)

Comments:

LDC #: 46420B6

Validation Findings Worksheet
Initial and Continuing Calibration Calculation Verification

Reviewer: ATL
2nd Reviewer:

Method: Inorganics, Method see cover

The correlation coefficient (r) for the calibration of CN- was recalculated. Calibration date: 09/12/19

An initial or continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found X 100 / True

Where, Found = concentration of each analyte measured in the analysis of the ICV or CCV solution

True = concentration of each analyte in the ICV or CCV source

Type of analysis	Analyte	Standard	Conc. (mg/l)	Area	Recalculated r or r^2	Reported r or r^2	Acceptable (Y/N)
Initial calibration	CN	s1	0	0.00099	*0.999949*	0.999990	Y
		s2	0.2	0.01053			
		s3	0.5	0.02181			
		s4	1	0.04329			
		s5	2	0.08411			
		s6	5	0.20078			
		s7	10	0.41072			
		s8	25	0.99928			
CCV Calibration verification	CN	FOUND 0.0991	TRUE 0.1000		99	99	Y
CCV Calibration verification	CN	0.0990	0.1000		99	99	Y
CCV Calibration verification	CN	0.0998	0.1000		100	100	Y

Comments: Refer to Calibration Verification findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420B6

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL
2nd Reviewer:

METHOD: Inorganics, Method see cover

Percent recoveries (%R) for a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

Sample ID	Type of Analysis	Element	mg/kg Found / S (units)	mg/kg True / D (units)	Recalculated %R / RPD	Reported %R / RPD	Acceptable (Y/N)
LCS	Laboratory control sample WG1282897-2	CN	138.79	150	93	93	Y
19	Matrix spike sample	CN	(SSR-SR) 10.2191	10	102	96	Y
20	Duplicate sample	CN	9.0739	10.2191	12	3	Y

Comments: % Recalculated for MS & RPD are different from lab report due to lab LIM system rounding off

LDC #: 46420B6

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: ATL
2nd reviewer: [illegible]

METHOD: Inorganics, Method see cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments?
(Y) N N/A Are all detection limits below the CRQL?

Compound (analyte) results for CN reported with a positive detect were recalculated and verified using the following equation:

Concentration = Recalculation: #3

$$\frac{7.61431}{50} \times \frac{50}{1.0218} \times \frac{1}{0.83} = 8.97814$$
$$\approx 9.0$$

#	Sample ID	Analyte	Reported Concentration (mg/kg)	Calculated Concentration (mg/kg)	Acceptable (Y/N)
	3	CN	9.2	9.0	Y
	10	CN	0.65	0.61	Y
	1,2,4→9, 11→18	CN	ND	ND	Y

Hugenot Street Development - LDC# 46420B

SDG: L1941309

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (10-11)	L1941309-08	IRON, TOTAL	9/16/2019	31100	Y	Y		J	J	3.99	0.721	mg/kg
B-1 (10-11)	L1941309-08	MAGNESIUM, TOTAL	9/16/2019	10400	Y	Y		J	J	7.98	1.23	mg/kg
B-1 (10-11)	L1941309-08	ARSENIC, TOTAL	9/16/2019		Y	N	J	U	U	0.798	0.166	mg/kg
B-1 (10-11)	L1941309-08	MANGANESE, TOTAL	9/16/2019	515	Y	Y		J	J	0.798	0.127	mg/kg
B-1 (10-11)	L1941309-08	CHROMIUM, TOTAL	9/16/2019	73.3	Y	Y		J	J	0.798	0.077	mg/kg
B-1 (10-11)	L1941309-08	ALUMINUM, TOTAL	9/16/2019	21600	Y	Y				7.98	2.16	mg/kg
B-1 (10-11)	L1941309-08	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	3.99	0.303	mg/kg
B-1 (10-11)	L1941309-08	CADMIUM, TOTAL	9/16/2019		Y	N	U		U	0.798	0.078	mg/kg
B-1 (10-11)	L1941309-08	SELENIUM, TOTAL	9/16/2019		Y	N	U		U	1.60	0.206	mg/kg
B-1 (10-11)	L1941309-08	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.798	0.226	mg/kg
B-1 (10-11)	L1941309-08	ZINC, TOTAL	9/16/2019	72.9	Y	Y				3.99	0.234	mg/kg
B-1 (10-11)	L1941309-08	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.60	0.251	mg/kg
B-1 (10-11)	L1941309-08	BERYLLIUM, TOTAL	9/16/2019	0.120	Y	Y	J		J	0.399	0.026	mg/kg
B-1 (10-11)	L1941309-08	BARIUM, TOTAL	9/16/2019	416	Y	Y				0.798	0.139	mg/kg
B-1 (10-11)	L1941309-08	CALCIUM, TOTAL	9/16/2019	1740	Y	Y				7.98	2.79	mg/kg
B-1 (10-11)	L1941309-08	COBALT, TOTAL	9/16/2019	23.8	Y	Y				1.60	0.132	mg/kg
B-1 (10-11)	L1941309-08	COPPER, TOTAL	9/16/2019	70.3	Y	Y				0.798	0.206	mg/kg
B-1 (10-11)	L1941309-08	LEAD, TOTAL	9/16/2019	3.99	Y	Y				3.99	0.214	mg/kg
B-1 (10-11)	L1941309-08	NICKEL, TOTAL	9/16/2019	138	Y	Y				2.00	0.193	mg/kg
B-1 (10-11)	L1941309-08	POTASSIUM, TOTAL	9/16/2019	15800	Y	Y				200	11.5	mg/kg
B-1 (10-11)	L1941309-08	SODIUM, TOTAL	9/16/2019	570	Y	Y				160	2.51	mg/kg
B-1 (10-11)	L1941309-08	VANADIUM, TOTAL	9/16/2019	67.0	Y	Y				0.798	0.162	mg/kg
B-1 (2-3)	L1941309-06	IRON, TOTAL	9/16/2019	22000	Y	Y		J	J	4.20	0.758	mg/kg

SDG: L1941309

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (2-3)	L1941309-06	CHROMIUM, TOTAL	9/16/2019	35.5	Y	Y		J	J	0.839	0.081	mg/kg
B-1 (2-3)	L1941309-06	MAGNESIUM, TOTAL	9/16/2019	5720	Y	Y		J	J	8.39	1.29	mg/kg
B-1 (2-3)	L1941309-06	SODIUM, TOTAL	9/16/2019		Y	N	J	U	U	168	2.64	mg/kg
B-1 (2-3)	L1941309-06	MANGANESE, TOTAL	9/16/2019	358	Y	Y		J	J	0.839	0.133	mg/kg
B-1 (2-3)	L1941309-06	COBALT, TOTAL	9/16/2019	14.0	Y	Y				1.68	0.139	mg/kg
B-1 (2-3)	L1941309-06	COPPER, TOTAL	9/16/2019	22.9	Y	Y				0.839	0.216	mg/kg
B-1 (2-3)	L1941309-06	ZINC, TOTAL	9/16/2019	45.7	Y	Y				4.20	0.246	mg/kg
B-1 (2-3)	L1941309-06	POTASSIUM, TOTAL	9/16/2019	5430	Y	Y				210	12.1	mg/kg
B-1 (2-3)	L1941309-06	NICKEL, TOTAL	9/16/2019	30.5	Y	Y				2.10	0.203	mg/kg
B-1 (2-3)	L1941309-06	LEAD, TOTAL	9/16/2019	4.24	Y	Y				4.20	0.225	mg/kg
B-1 (2-3)	L1941309-06	VANADIUM, TOTAL	9/16/2019	38.6	Y	Y				0.839	0.170	mg/kg
B-1 (2-3)	L1941309-06	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.68	0.264	mg/kg
B-1 (2-3)	L1941309-06	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.839	0.238	mg/kg
B-1 (2-3)	L1941309-06	SELENIUM, TOTAL	9/16/2019		Y	N	U		U	1.68	0.216	mg/kg
B-1 (2-3)	L1941309-06	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.20	0.319	mg/kg
B-1 (2-3)	L1941309-06	CALCIUM, TOTAL	9/16/2019	1680	Y	Y				8.39	2.94	mg/kg
B-1 (2-3)	L1941309-06	BARIUM, TOTAL	9/16/2019	97.5	Y	Y				0.839	0.146	mg/kg
B-1 (2-3)	L1941309-06	ARSENIC, TOTAL	9/16/2019	1.87	Y	Y				0.839	0.174	mg/kg
B-1 (2-3)	L1941309-06	BERYLLIUM, TOTAL	9/16/2019	0.302	Y	Y	J		J	0.420	0.028	mg/kg
B-1 (2-3)	L1941309-06	ALUMINUM, TOTAL	9/16/2019	15800	Y	Y				8.39	2.26	mg/kg
B-1 (2-3)	L1941309-06	CADMIUM, TOTAL	9/16/2019		Y	N	U		U	0.839	0.082	mg/kg
B-1 (5-6)	L1941309-07	MANGANESE, TOTAL	9/16/2019	347	Y	Y		J	J	0.822	0.131	mg/kg
B-1 (5-6)	L1941309-07	CHROMIUM, TOTAL	9/16/2019	44.9	Y	Y		J	J	0.822	0.079	mg/kg
B-1 (5-6)	L1941309-07	IRON, TOTAL	9/16/2019	18300	Y	Y		J	J	4.11	0.742	mg/kg
B-1 (5-6)	L1941309-07	MAGNESIUM, TOTAL	9/16/2019	6450	Y	Y		J	J	8.22	1.26	mg/kg

SDG: L1941309

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (5-6)	L1941309-07	SELENIUM, TOTAL	9/16/2019		Y	N	J	U	U	1.64	0.212	mg/kg
B-1 (5-6)	L1941309-07	ARSENIC, TOTAL	9/16/2019		Y	N	J	U	U	0.822	0.171	mg/kg
B-1 (5-6)	L1941309-07	CALCIUM, TOTAL	9/16/2019	1300	Y	Y				8.22	2.88	mg/kg
B-1 (5-6)	L1941309-07	POTASSIUM, TOTAL	9/16/2019	5340	Y	Y				205	11.8	mg/kg
B-1 (5-6)	L1941309-07	ALUMINUM, TOTAL	9/16/2019	12100	Y	Y				8.22	2.22	mg/kg
B-1 (5-6)	L1941309-07	BARIUM, TOTAL	9/16/2019	106	Y	Y				0.822	0.143	mg/kg
B-1 (5-6)	L1941309-07	VANADIUM, TOTAL	9/16/2019	27.1	Y	Y				0.822	0.167	mg/kg
B-1 (5-6)	L1941309-07	COBALT, TOTAL	9/16/2019	10.8	Y	Y				1.64	0.136	mg/kg
B-1 (5-6)	L1941309-07	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.822	0.232	mg/kg
B-1 (5-6)	L1941309-07	COPPER, TOTAL	9/16/2019	57.5	Y	Y				0.822	0.212	mg/kg
B-1 (5-6)	L1941309-07	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.11	0.312	mg/kg
B-1 (5-6)	L1941309-07	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.64	0.259	mg/kg
B-1 (5-6)	L1941309-07	ZINC, TOTAL	9/16/2019	39.8	Y	Y				4.11	0.241	mg/kg
B-1 (5-6)	L1941309-07	LEAD, TOTAL	9/16/2019	3.08	Y	Y	J		J	4.11	0.220	mg/kg
B-1 (5-6)	L1941309-07	SODIUM, TOTAL	9/16/2019	184	Y	Y				164	2.59	mg/kg
B-1 (5-6)	L1941309-07	BERYLLIUM, TOTAL	9/16/2019	0.279	Y	Y	J		J	0.411	0.027	mg/kg
B-1 (5-6)	L1941309-07	NICKEL, TOTAL	9/16/2019	45.3	Y	Y				2.05	0.199	mg/kg
B-1 (5-6)	L1941309-07	CADMIUM, TOTAL	9/16/2019		Y	N	U		U	0.822	0.081	mg/kg
B-10 (11-12)	L1941309-16	MANGANESE, TOTAL	9/16/2019	389	Y	Y		J	J	0.847	0.135	mg/kg
B-10 (11-12)	L1941309-16	CHROMIUM, TOTAL	9/16/2019	37.5	Y	Y		J	J	0.847	0.081	mg/kg
B-10 (11-12)	L1941309-16	MAGNESIUM, TOTAL	9/16/2019	6860	Y	Y		J	J	8.47	1.30	mg/kg
B-10 (11-12)	L1941309-16	IRON, TOTAL	9/16/2019	29400	Y	Y		J	J	4.24	0.765	mg/kg
B-10 (11-12)	L1941309-16	BERYLLIUM, TOTAL	9/16/2019	0.161	Y	Y	J		J	0.424	0.028	mg/kg
B-10 (11-12)	L1941309-16	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.69	0.267	mg/kg
B-10 (11-12)	L1941309-16	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.847	0.240	mg/kg

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (11-12)	L1941309-16	SELENIUM, TOTAL	9/16/2019		Y	N	U		U	1.69	0.219	mg/kg
B-10 (11-12)	L1941309-16	LEAD, TOTAL	9/16/2019	4.23	Y	Y	J		J	4.24	0.227	mg/kg
B-10 (11-12)	L1941309-16	CADMIUM, TOTAL	9/16/2019		Y	N	U		U	0.847	0.083	mg/kg
B-10 (11-12)	L1941309-16	ZINC, TOTAL	9/16/2019	60.3	Y	Y				4.24	0.248	mg/kg
B-10 (11-12)	L1941309-16	VANADIUM, TOTAL	9/16/2019	52.4	Y	Y				0.847	0.172	mg/kg
B-10 (11-12)	L1941309-16	SODIUM, TOTAL	9/16/2019	1450	Y	Y				169	2.67	mg/kg
B-10 (11-12)	L1941309-16	POTASSIUM, TOTAL	9/16/2019	12000	Y	Y				212	12.2	mg/kg
B-10 (11-12)	L1941309-16	NICKEL, TOTAL	9/16/2019	17.7	Y	Y				2.12	0.205	mg/kg
B-10 (11-12)	L1941309-16	COPPER, TOTAL	9/16/2019	94.8	Y	Y				0.847	0.219	mg/kg
B-10 (11-12)	L1941309-16	COBALT, TOTAL	9/16/2019	16.8	Y	Y				1.69	0.141	mg/kg
B-10 (11-12)	L1941309-16	CALCIUM, TOTAL	9/16/2019	614	Y	Y				8.47	2.96	mg/kg
B-10 (11-12)	L1941309-16	BARIUM, TOTAL	9/16/2019	295	Y	Y				0.847	0.147	mg/kg
B-10 (11-12)	L1941309-16	ARSENIC, TOTAL	9/16/2019	0.949	Y	Y				0.847	0.176	mg/kg
B-10 (11-12)	L1941309-16	ALUMINUM, TOTAL	9/16/2019	17400	Y	Y				8.47	2.29	mg/kg
B-10 (11-12)	L1941309-16	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.24	0.322	mg/kg
B-10 (2-3)	L1941309-14	MANGANESE, TOTAL	9/16/2019	145	Y	Y		J	J	0.868	0.138	mg/kg
B-10 (2-3)	L1941309-14	MAGNESIUM, TOTAL	9/16/2019	5110	Y	Y		J	J	8.68	1.34	mg/kg
B-10 (2-3)	L1941309-14	IRON, TOTAL	9/16/2019	7630	Y	Y		J	J	4.34	0.784	mg/kg
B-10 (2-3)	L1941309-14	CHROMIUM, TOTAL	9/16/2019	10.2	Y	Y		J	J	0.868	0.083	mg/kg
B-10 (2-3)	L1941309-14	COBALT, TOTAL	9/16/2019	3.69	Y	Y				1.74	0.144	mg/kg
B-10 (2-3)	L1941309-14	ZINC, TOTAL	9/16/2019	113	Y	Y				4.34	0.254	mg/kg
B-10 (2-3)	L1941309-14	BARIUM, TOTAL	9/16/2019	126	Y	Y				0.868	0.151	mg/kg
B-10 (2-3)	L1941309-14	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.74	0.273	mg/kg
B-10 (2-3)	L1941309-14	SELENIUM, TOTAL	9/16/2019		Y	N	U		U	1.74	0.224	mg/kg
B-10 (2-3)	L1941309-14	LEAD, TOTAL	9/16/2019	123	Y	Y				4.34	0.232	mg/kg

SDG: L1941309

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (2-3)	L1941309-14	CADMIUM, TOTAL	9/16/2019		Y	N	U		U	0.868	0.085	mg/kg
B-10 (2-3)	L1941309-14	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.34	0.330	mg/kg
B-10 (2-3)	L1941309-14	VANADIUM, TOTAL	9/16/2019	22.0	Y	Y				0.868	0.176	mg/kg
B-10 (2-3)	L1941309-14	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.868	0.246	mg/kg
B-10 (2-3)	L1941309-14	ARSENIC, TOTAL	9/16/2019	4.42	Y	Y				0.868	0.180	mg/kg
B-10 (2-3)	L1941309-14	ALUMINUM, TOTAL	9/16/2019	5830	Y	Y				8.68	2.34	mg/kg
B-10 (2-3)	L1941309-14	COPPER, TOTAL	9/16/2019	12.4	Y	Y				0.868	0.224	mg/kg
B-10 (2-3)	L1941309-14	NICKEL, TOTAL	9/16/2019	5.75	Y	Y				2.17	0.210	mg/kg
B-10 (2-3)	L1941309-14	POTASSIUM, TOTAL	9/16/2019	1270	Y	Y				217	12.5	mg/kg
B-10 (2-3)	L1941309-14	BERYLLIUM, TOTAL	9/16/2019	0.226	Y	Y	J		J	0.434	0.029	mg/kg
B-10 (2-3)	L1941309-14	SODIUM, TOTAL	9/16/2019	1310	Y	Y				174	2.73	mg/kg
B-10 (2-3)	L1941309-14	CALCIUM, TOTAL	9/16/2019	111000	Y	Y				86.8	30.4	mg/kg
B-10 (7-8)	L1941309-15	MAGNESIUM, TOTAL	9/16/2019	8750	Y	Y		J	J	8.64	1.33	mg/kg
B-10 (7-8)	L1941309-15	IRON, TOTAL	9/16/2019	21900	Y	Y		J	J	4.32	0.781	mg/kg
B-10 (7-8)	L1941309-15	SELENIUM, TOTAL	9/16/2019		Y	N	J	U	U	1.73	0.223	mg/kg
B-10 (7-8)	L1941309-15	MANGANESE, TOTAL	9/16/2019	452	Y	Y		J	J	0.864	0.137	mg/kg
B-10 (7-8)	L1941309-15	CHROMIUM, TOTAL	9/16/2019	31.7	Y	Y		J	J	0.864	0.083	mg/kg
B-10 (7-8)	L1941309-15	POTASSIUM, TOTAL	9/16/2019	7040	Y	Y				216	12.4	mg/kg
B-10 (7-8)	L1941309-15	SODIUM, TOTAL	9/16/2019	1720	Y	Y				173	2.72	mg/kg
B-10 (7-8)	L1941309-15	LEAD, TOTAL	9/16/2019	431	Y	Y				4.32	0.232	mg/kg
B-10 (7-8)	L1941309-15	VANADIUM, TOTAL	9/16/2019	44.5	Y	Y				0.864	0.175	mg/kg
B-10 (7-8)	L1941309-15	CALCIUM, TOTAL	9/16/2019	15700	Y	Y				8.64	3.02	mg/kg
B-10 (7-8)	L1941309-15	NICKEL, TOTAL	9/16/2019	22.0	Y	Y				2.16	0.209	mg/kg
B-10 (7-8)	L1941309-15	BARIUM, TOTAL	9/16/2019	347	Y	Y				0.864	0.150	mg/kg
B-10 (7-8)	L1941309-15	BERYLLIUM, TOTAL	9/16/2019	0.251	Y	Y	J		J	0.432	0.029	mg/kg

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (7-8)	L1941309-15	COBALT, TOTAL	9/16/2019	13.8	Y	Y				1.73	0.144	mg/kg
B-10 (7-8)	L1941309-15	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.32	0.328	mg/kg
B-10 (7-8)	L1941309-15	CADMIUM, TOTAL	9/16/2019		Y	N	U		U	0.864	0.085	mg/kg
B-10 (7-8)	L1941309-15	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.864	0.245	mg/kg
B-10 (7-8)	L1941309-15	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.73	0.272	mg/kg
B-10 (7-8)	L1941309-15	ALUMINUM, TOTAL	9/16/2019	15700	Y	Y				8.64	2.33	mg/kg
B-10 (7-8)	L1941309-15	ARSENIC, TOTAL	9/16/2019	2.07	Y	Y				0.864	0.180	mg/kg
B-10 (7-8)	L1941309-15	COPPER, TOTAL	9/16/2019	53.7	Y	Y				0.864	0.223	mg/kg
B-10 (7-8)	L1941309-15	ZINC, TOTAL	9/16/2019	204	Y	Y				4.32	0.253	mg/kg
B-11 (0-1)	L1941309-10	CHROMIUM, TOTAL	9/16/2019	24.5	Y	Y		J	J	0.945	0.091	mg/kg
B-11 (0-1)	L1941309-10	IRON, TOTAL	9/16/2019	17900	Y	Y		J	J	4.72	0.853	mg/kg
B-11 (0-1)	L1941309-10	SELENIUM, TOTAL	9/16/2019		Y	N	J	U	U	1.89	0.244	mg/kg
B-11 (0-1)	L1941309-10	ANTIMONY, TOTAL	9/16/2019		Y	N	J	U	U	4.72	0.359	mg/kg
B-11 (0-1)	L1941309-10	MANGANESE, TOTAL	9/16/2019	355	Y	Y		J	J	0.945	0.150	mg/kg
B-11 (0-1)	L1941309-10	MAGNESIUM, TOTAL	9/16/2019	2650	Y	Y		J	J	9.45	1.46	mg/kg
B-11 (0-1)	L1941309-10	VANADIUM, TOTAL	9/16/2019	28.2	Y	Y				0.945	0.192	mg/kg
B-11 (0-1)	L1941309-10	ARSENIC, TOTAL	9/16/2019	3.48	Y	Y				0.945	0.196	mg/kg
B-11 (0-1)	L1941309-10	ALUMINUM, TOTAL	9/16/2019	12400	Y	Y				9.45	2.55	mg/kg
B-11 (0-1)	L1941309-10	BARIUM, TOTAL	9/16/2019	62.4	Y	Y				0.945	0.164	mg/kg
B-11 (0-1)	L1941309-10	CALCIUM, TOTAL	9/16/2019	1160	Y	Y				9.45	3.31	mg/kg
B-11 (0-1)	L1941309-10	COBALT, TOTAL	9/16/2019	7.85	Y	Y				1.89	0.157	mg/kg
B-11 (0-1)	L1941309-10	COPPER, TOTAL	9/16/2019	26.1	Y	Y				0.945	0.244	mg/kg
B-11 (0-1)	L1941309-10	BERYLLIUM, TOTAL	9/16/2019	0.387	Y	Y	J		J	0.472	0.031	mg/kg
B-11 (0-1)	L1941309-10	SODIUM, TOTAL	9/16/2019	257	Y	Y				189	2.98	mg/kg
B-11 (0-1)	L1941309-10	NICKEL, TOTAL	9/16/2019	23.1	Y	Y				2.36	0.229	mg/kg

SDG: L1941309

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (0-1)	L1941309-10	ZINC, TOTAL	9/16/2019	39.0	Y	Y				4.72	0.277	mg/kg
B-11 (0-1)	L1941309-10	LEAD, TOTAL	9/16/2019	24.6	Y	Y				4.72	0.253	mg/kg
B-11 (0-1)	L1941309-10	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.89	0.298	mg/kg
B-11 (0-1)	L1941309-10	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.945	0.267	mg/kg
B-11 (0-1)	L1941309-10	CADMIUM, TOTAL	9/16/2019		Y	N	U		U	0.945	0.093	mg/kg
B-11 (0-1)	L1941309-10	POTASSIUM, TOTAL	9/16/2019	945	Y	Y				236	13.6	mg/kg
B-11 (6-7)	L1941309-09	MANGANESE, TOTAL	9/16/2019	518	Y	Y		J	J	0.833	0.132	mg/kg
B-11 (6-7)	L1941309-09	CHROMIUM, TOTAL	9/16/2019	20.1	Y	Y		J	J	0.833	0.080	mg/kg
B-11 (6-7)	L1941309-09	MAGNESIUM, TOTAL	9/16/2019	2040	Y	Y		J	J	8.33	1.28	mg/kg
B-11 (6-7)	L1941309-09	IRON, TOTAL	9/16/2019	15200	Y	Y		J	J	4.16	0.752	mg/kg
B-11 (6-7)	L1941309-09	ZINC, TOTAL	9/16/2019	22.2	Y	Y				4.16	0.244	mg/kg
B-11 (6-7)	L1941309-09	VANADIUM, TOTAL	9/16/2019	23.2	Y	Y				0.833	0.169	mg/kg
B-11 (6-7)	L1941309-09	SODIUM, TOTAL	9/16/2019	406	Y	Y				166	2.62	mg/kg
B-11 (6-7)	L1941309-09	POTASSIUM, TOTAL	9/16/2019	2200	Y	Y				208	12.0	mg/kg
B-11 (6-7)	L1941309-09	LEAD, TOTAL	9/16/2019	3.47	Y	Y	J		J	4.16	0.223	mg/kg
B-11 (6-7)	L1941309-09	BERYLLIUM, TOTAL	9/16/2019	0.300	Y	Y	J		J	0.416	0.028	mg/kg
B-11 (6-7)	L1941309-09	CADMIUM, TOTAL	9/16/2019		Y	N	U		U	0.833	0.082	mg/kg
B-11 (6-7)	L1941309-09	SELENIUM, TOTAL	9/16/2019		Y	N	U		U	1.66	0.215	mg/kg
B-11 (6-7)	L1941309-09	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.833	0.236	mg/kg
B-11 (6-7)	L1941309-09	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.66	0.262	mg/kg
B-11 (6-7)	L1941309-09	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.16	0.316	mg/kg
B-11 (6-7)	L1941309-09	BARIUM, TOTAL	9/16/2019	70.9	Y	Y				0.833	0.145	mg/kg
B-11 (6-7)	L1941309-09	COBALT, TOTAL	9/16/2019	7.13	Y	Y				1.66	0.138	mg/kg
B-11 (6-7)	L1941309-09	ALUMINUM, TOTAL	9/16/2019	11200	Y	Y				8.33	2.25	mg/kg
B-11 (6-7)	L1941309-09	COPPER, TOTAL	9/16/2019	16.5	Y	Y				0.833	0.215	mg/kg

SDG: L1941309

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (6-7)	L1941309-09	ARSENIC, TOTAL	9/16/2019	1.59	Y	Y				0.833	0.173	mg/kg
B-11 (6-7)	L1941309-09	NICKEL, TOTAL	9/16/2019	29.9	Y	Y				2.08	0.202	mg/kg
B-11 (6-7)	L1941309-09	CALCIUM, TOTAL	9/16/2019	515	Y	Y				8.33	2.92	mg/kg
B-15 (3-4)	L1941309-17	SELENIUM, TOTAL	9/16/2019		Y	N	J	U	U	1.71	0.220	mg/kg
B-15 (3-4)	L1941309-17	CHROMIUM, TOTAL	9/16/2019	16.2	Y	Y		J	J	0.854	0.082	mg/kg
B-15 (3-4)	L1941309-17	IRON, TOTAL	9/16/2019	13100	Y	Y		J	J	4.27	0.771	mg/kg
B-15 (3-4)	L1941309-17	MAGNESIUM, TOTAL	9/16/2019	7570	Y	Y		J	J	8.54	1.31	mg/kg
B-15 (3-4)	L1941309-17	MANGANESE, TOTAL	9/16/2019	182	Y	Y		J	J	0.854	0.136	mg/kg
B-15 (3-4)	L1941309-17	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.71	0.269	mg/kg
B-15 (3-4)	L1941309-17	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.27	0.324	mg/kg
B-15 (3-4)	L1941309-17	LEAD, TOTAL	9/16/2019	192	Y	Y				4.27	0.229	mg/kg
B-15 (3-4)	L1941309-17	BERYLLIUM, TOTAL	9/16/2019	0.136	Y	Y	J		J	0.427	0.028	mg/kg
B-15 (3-4)	L1941309-17	COBALT, TOTAL	9/16/2019	7.13	Y	Y				1.71	0.142	mg/kg
B-15 (3-4)	L1941309-17	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.854	0.242	mg/kg
B-15 (3-4)	L1941309-17	CALCIUM, TOTAL	9/16/2019	21800	Y	Y				8.54	2.99	mg/kg
B-15 (3-4)	L1941309-17	CADMIUM, TOTAL	9/16/2019	1.58	Y	Y				0.854	0.084	mg/kg
B-15 (3-4)	L1941309-17	BARIUM, TOTAL	9/16/2019	441	Y	Y				0.854	0.148	mg/kg
B-15 (3-4)	L1941309-17	ARSENIC, TOTAL	9/16/2019	2.87	Y	Y				0.854	0.178	mg/kg
B-15 (3-4)	L1941309-17	ALUMINUM, TOTAL	9/16/2019	7630	Y	Y				8.54	2.30	mg/kg
B-15 (3-4)	L1941309-17	COPPER, TOTAL	9/16/2019	28.8	Y	Y				0.854	0.220	mg/kg
B-15 (3-4)	L1941309-17	ZINC, TOTAL	9/16/2019	216	Y	Y				4.27	0.250	mg/kg
B-15 (3-4)	L1941309-17	NICKEL, TOTAL	9/16/2019	11.1	Y	Y				2.13	0.206	mg/kg
B-15 (3-4)	L1941309-17	POTASSIUM, TOTAL	9/16/2019	3360	Y	Y				213	12.3	mg/kg
B-15 (3-4)	L1941309-17	SODIUM, TOTAL	9/16/2019	416	Y	Y				171	2.69	mg/kg
B-15 (3-4)	L1941309-17	VANADIUM, TOTAL	9/16/2019	29.4	Y	Y				0.854	0.173	mg/kg

SDG: L1941309

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (6-7)	L1941309-18	CHROMIUM, TOTAL	9/16/2019	26.3	Y	Y		J	J	0.881	0.085	mg/kg
B-15 (6-7)	L1941309-18	MANGANESE, TOTAL	9/16/2019	421	Y	Y		J	J	0.881	0.140	mg/kg
B-15 (6-7)	L1941309-18	MAGNESIUM, TOTAL	9/16/2019	11300	Y	Y		J	J	8.81	1.36	mg/kg
B-15 (6-7)	L1941309-18	IRON, TOTAL	9/16/2019	18600	Y	Y		J	J	4.40	0.796	mg/kg
B-15 (6-7)	L1941309-18	SELENIUM, TOTAL	9/16/2019		Y	N	J	U	U	1.76	0.227	mg/kg
B-15 (6-7)	L1941309-18	SODIUM, TOTAL	9/16/2019	404	Y	Y				176	2.78	mg/kg
B-15 (6-7)	L1941309-18	ALUMINUM, TOTAL	9/16/2019	13000	Y	Y				8.81	2.38	mg/kg
B-15 (6-7)	L1941309-18	ARSENIC, TOTAL	9/16/2019	1.71	Y	Y				0.881	0.183	mg/kg
B-15 (6-7)	L1941309-18	BARIUM, TOTAL	9/16/2019	286	Y	Y				0.881	0.153	mg/kg
B-15 (6-7)	L1941309-18	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.881	0.249	mg/kg
B-15 (6-7)	L1941309-18	CALCIUM, TOTAL	9/16/2019	28700	Y	Y				8.81	3.08	mg/kg
B-15 (6-7)	L1941309-18	COBALT, TOTAL	9/16/2019	11.4	Y	Y				1.76	0.146	mg/kg
B-15 (6-7)	L1941309-18	POTASSIUM, TOTAL	9/16/2019	7930	Y	Y				220	12.7	mg/kg
B-15 (6-7)	L1941309-18	LEAD, TOTAL	9/16/2019	66.4	Y	Y				4.40	0.236	mg/kg
B-15 (6-7)	L1941309-18	VANADIUM, TOTAL	9/16/2019	41.4	Y	Y				0.881	0.179	mg/kg
B-15 (6-7)	L1941309-18	ZINC, TOTAL	9/16/2019	144	Y	Y				4.40	0.258	mg/kg
B-15 (6-7)	L1941309-18	NICKEL, TOTAL	9/16/2019	20.7	Y	Y				2.20	0.213	mg/kg
B-15 (6-7)	L1941309-18	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.76	0.278	mg/kg
B-15 (6-7)	L1941309-18	BERYLLIUM, TOTAL	9/16/2019	0.106	Y	Y	J		J	0.440	0.029	mg/kg
B-15 (6-7)	L1941309-18	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.40	0.335	mg/kg
B-15 (6-7)	L1941309-18	CADMIUM, TOTAL	9/16/2019		Y	N	U		U	0.881	0.086	mg/kg
B-15 (6-7)	L1941309-18	COPPER, TOTAL	9/16/2019	25.9	Y	Y				0.881	0.227	mg/kg
B-16 (3-4)	L1941309-04	MAGNESIUM, TOTAL	9/16/2019	8370	Y	Y		J	J	8.09	1.25	mg/kg
B-16 (3-4)	L1941309-04	SELENIUM, TOTAL	9/16/2019		Y	N	J	U	U	1.62	0.209	mg/kg
B-16 (3-4)	L1941309-04	CHROMIUM, TOTAL	9/16/2019	180	Y	Y		J	J	0.809	0.078	mg/kg

SDG: L1941309

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (3-4)	L1941309-04	IRON, TOTAL	9/16/2019	26300	Y	Y		J	J	4.05	0.731	mg/kg
B-16 (3-4)	L1941309-04	MANGANESE, TOTAL	9/16/2019	448	Y	Y		J	J	0.809	0.129	mg/kg
B-16 (3-4)	L1941309-04	ZINC, TOTAL	9/16/2019	63.4	Y	Y				4.05	0.237	mg/kg
B-16 (3-4)	L1941309-04	VANADIUM, TOTAL	9/16/2019	45.5	Y	Y				0.809	0.164	mg/kg
B-16 (3-4)	L1941309-04	SODIUM, TOTAL	9/16/2019	645	Y	Y				162	2.55	mg/kg
B-16 (3-4)	L1941309-04	ALUMINUM, TOTAL	9/16/2019	17600	Y	Y				8.09	2.18	mg/kg
B-16 (3-4)	L1941309-04	NICKEL, TOTAL	9/16/2019	357	Y	Y				2.02	0.196	mg/kg
B-16 (3-4)	L1941309-04	LEAD, TOTAL	9/16/2019	24.1	Y	Y				4.05	0.217	mg/kg
B-16 (3-4)	L1941309-04	COPPER, TOTAL	9/16/2019	22.2	Y	Y				0.809	0.209	mg/kg
B-16 (3-4)	L1941309-04	COBALT, TOTAL	9/16/2019	14.7	Y	Y				1.62	0.134	mg/kg
B-16 (3-4)	L1941309-04	CALCIUM, TOTAL	9/16/2019	1930	Y	Y				8.09	2.83	mg/kg
B-16 (3-4)	L1941309-04	BARIUM, TOTAL	9/16/2019	152	Y	Y				0.809	0.141	mg/kg
B-16 (3-4)	L1941309-04	ARSENIC, TOTAL	9/16/2019	1.34	Y	Y				0.809	0.168	mg/kg
B-16 (3-4)	L1941309-04	POTASSIUM, TOTAL	9/16/2019	8040	Y	Y				202	11.6	mg/kg
B-16 (3-4)	L1941309-04	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.05	0.308	mg/kg
B-16 (3-4)	L1941309-04	CADMIUM, TOTAL	9/16/2019		Y	N	U		U	0.809	0.079	mg/kg
B-16 (3-4)	L1941309-04	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.62	0.255	mg/kg
B-16 (3-4)	L1941309-04	BERYLLIUM, TOTAL	9/16/2019	0.348	Y	Y	J		J	0.405	0.027	mg/kg
B-16 (3-4)	L1941309-04	SILVER, TOTAL	9/16/2019	0.275	Y	Y	J		J	0.809	0.229	mg/kg
B-16 (7-8)	L1941309-05	CHROMIUM, TOTAL	9/16/2019	98.6	Y	Y		J	J	0.849	0.082	mg/kg
B-16 (7-8)	L1941309-05	MANGANESE, TOTAL	9/16/2019	662	Y	Y		J	J	0.849	0.135	mg/kg
B-16 (7-8)	L1941309-05	MAGNESIUM, TOTAL	9/16/2019	14600	Y	Y		J	J	8.49	1.31	mg/kg
B-16 (7-8)	L1941309-05	IRON, TOTAL	9/16/2019	28600	Y	Y		J	J	4.24	0.766	mg/kg
B-16 (7-8)	L1941309-05	LEAD, TOTAL	9/16/2019	7.50	Y	Y				4.24	0.228	mg/kg
B-16 (7-8)	L1941309-05	ALUMINUM, TOTAL	9/16/2019	31100	Y	Y				8.49	2.29	mg/kg

SDG: L1941309

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (7-8)	L1941309-05	ARSENIC, TOTAL	9/16/2019	1.34	Y	Y				0.849	0.176	mg/kg
B-16 (7-8)	L1941309-05	BARIUM, TOTAL	9/16/2019	255	Y	Y				0.849	0.148	mg/kg
B-16 (7-8)	L1941309-05	BERYLLIUM, TOTAL	9/16/2019	0.840	Y	Y				0.424	0.028	mg/kg
B-16 (7-8)	L1941309-05	CALCIUM, TOTAL	9/16/2019	3100	Y	Y				8.49	2.97	mg/kg
B-16 (7-8)	L1941309-05	COPPER, TOTAL	9/16/2019	24.4	Y	Y				0.849	0.219	mg/kg
B-16 (7-8)	L1941309-05	NICKEL, TOTAL	9/16/2019	163	Y	Y				2.12	0.205	mg/kg
B-16 (7-8)	L1941309-05	POTASSIUM, TOTAL	9/16/2019	10900	Y	Y				212	12.2	mg/kg
B-16 (7-8)	L1941309-05	SELENIUM, TOTAL	9/16/2019		Y	N	U		U	1.70	0.219	mg/kg
B-16 (7-8)	L1941309-05	VANADIUM, TOTAL	9/16/2019	72.2	Y	Y				0.849	0.172	mg/kg
B-16 (7-8)	L1941309-05	ZINC, TOTAL	9/16/2019	71.5	Y	Y				4.24	0.249	mg/kg
B-16 (7-8)	L1941309-05	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.24	0.322	mg/kg
B-16 (7-8)	L1941309-05	CADMIUM, TOTAL	9/16/2019		Y	N	U		U	0.849	0.083	mg/kg
B-16 (7-8)	L1941309-05	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.70	0.267	mg/kg
B-16 (7-8)	L1941309-05	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.849	0.240	mg/kg
B-16 (7-8)	L1941309-05	SODIUM, TOTAL	9/16/2019	1140	Y	Y				170	2.67	mg/kg
B-16 (7-8)	L1941309-05	COBALT, TOTAL	9/16/2019	24.6	Y	Y				1.70	0.141	mg/kg
B-2 (3-4)	L1941309-01	CHROMIUM, TOTAL	9/16/2019	20.9	Y	Y		J	J	0.815	0.078	mg/kg
B-2 (3-4)	L1941309-01	SELENIUM, TOTAL	9/16/2019		Y	N	J	U	U	1.63	0.210	mg/kg
B-2 (3-4)	L1941309-01	SODIUM, TOTAL	9/16/2019		Y	N	J	U	U	163	2.57	mg/kg
B-2 (3-4)	L1941309-01	MANGANESE, TOTAL	9/16/2019	381	Y	Y		J	J	0.815	0.130	mg/kg
B-2 (3-4)	L1941309-01	MAGNESIUM, TOTAL	9/16/2019	3150	Y	Y		J	J	8.15	1.26	mg/kg
B-2 (3-4)	L1941309-01	IRON, TOTAL	9/16/2019	16900	Y	Y		J	J	4.08	0.736	mg/kg
B-2 (3-4)	L1941309-01	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.08	0.310	mg/kg
B-2 (3-4)	L1941309-01	CADMIUM, TOTAL	9/16/2019		Y	N	U		U	0.815	0.080	mg/kg
B-2 (3-4)	L1941309-01	ALUMINUM, TOTAL	9/16/2019	11500	Y	Y				8.15	2.20	mg/kg

SDG: L1941309

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-2 (3-4)	L1941309-01	ARSENIC, TOTAL	9/16/2019	1.25	Y	Y				0.815	0.170	mg/kg
B-2 (3-4)	L1941309-01	BARIUM, TOTAL	9/16/2019	104	Y	Y				0.815	0.142	mg/kg
B-2 (3-4)	L1941309-01	CALCIUM, TOTAL	9/16/2019	638	Y	Y				8.15	2.85	mg/kg
B-2 (3-4)	L1941309-01	NICKEL, TOTAL	9/16/2019	20.1	Y	Y				2.04	0.197	mg/kg
B-2 (3-4)	L1941309-01	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.63	0.257	mg/kg
B-2 (3-4)	L1941309-01	ZINC, TOTAL	9/16/2019	46.9	Y	Y				4.08	0.239	mg/kg
B-2 (3-4)	L1941309-01	LEAD, TOTAL	9/16/2019	3.53	Y	Y	J		J	4.08	0.218	mg/kg
B-2 (3-4)	L1941309-01	VANADIUM, TOTAL	9/16/2019	27.8	Y	Y				0.815	0.166	mg/kg
B-2 (3-4)	L1941309-01	COPPER, TOTAL	9/16/2019	19.3	Y	Y				0.815	0.210	mg/kg
B-2 (3-4)	L1941309-01	COBALT, TOTAL	9/16/2019	7.86	Y	Y				1.63	0.135	mg/kg
B-2 (3-4)	L1941309-01	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.815	0.231	mg/kg
B-2 (3-4)	L1941309-01	POTASSIUM, TOTAL	9/16/2019	3300	Y	Y				204	11.7	mg/kg
B-2 (3-4)	L1941309-01	BERYLLIUM, TOTAL	9/16/2019	0.269	Y	Y	J		J	0.408	0.027	mg/kg
B-2 (6-7)	L1941309-02	ARSENIC, TOTAL	9/16/2019		Y	N	J	U	U	0.885	0.184	mg/kg
B-2 (6-7)	L1941309-02	IRON, TOTAL	9/16/2019	29000	Y	Y		J	J	4.42	0.799	mg/kg
B-2 (6-7)	L1941309-02	SELENIUM, TOTAL	9/16/2019		Y	N	J	U	U	1.77	0.228	mg/kg
B-2 (6-7)	L1941309-02	MANGANESE, TOTAL	9/16/2019	558	Y	Y		J	J	0.885	0.141	mg/kg
B-2 (6-7)	L1941309-02	CHROMIUM, TOTAL	9/16/2019	41.5	Y	Y		J	J	0.885	0.085	mg/kg
B-2 (6-7)	L1941309-02	MAGNESIUM, TOTAL	9/16/2019	7820	Y	Y		J	J	8.85	1.36	mg/kg
B-2 (6-7)	L1941309-02	NICKEL, TOTAL	9/16/2019	111	Y	Y				2.21	0.214	mg/kg
B-2 (6-7)	L1941309-02	ALUMINUM, TOTAL	9/16/2019	18400	Y	Y				8.85	2.39	mg/kg
B-2 (6-7)	L1941309-02	BARIUM, TOTAL	9/16/2019	199	Y	Y				0.885	0.154	mg/kg
B-2 (6-7)	L1941309-02	CALCIUM, TOTAL	9/16/2019	1710	Y	Y				8.85	3.10	mg/kg
B-2 (6-7)	L1941309-02	COBALT, TOTAL	9/16/2019	18.6	Y	Y				1.77	0.147	mg/kg
B-2 (6-7)	L1941309-02	COPPER, TOTAL	9/16/2019	242	Y	Y				0.885	0.228	mg/kg

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-2 (6-7)	L1941309-02	LEAD, TOTAL	9/16/2019	4.50	Y	Y				4.42	0.237	mg/kg
B-2 (6-7)	L1941309-02	ZINC, TOTAL	9/16/2019	79.3	Y	Y				4.42	0.259	mg/kg
B-2 (6-7)	L1941309-02	VANADIUM, TOTAL	9/16/2019	49.4	Y	Y				0.885	0.180	mg/kg
B-2 (6-7)	L1941309-02	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.42	0.336	mg/kg
B-2 (6-7)	L1941309-02	POTASSIUM, TOTAL	9/16/2019	11500	Y	Y				221	12.7	mg/kg
B-2 (6-7)	L1941309-02	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.77	0.279	mg/kg
B-2 (6-7)	L1941309-02	BERYLLIUM, TOTAL	9/16/2019	0.239	Y	Y	J		J	0.442	0.029	mg/kg
B-2 (6-7)	L1941309-02	CADMIUM, TOTAL	9/16/2019		Y	N	U		U	0.885	0.087	mg/kg
B-2 (6-7)	L1941309-02	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.885	0.250	mg/kg
B-2 (6-7)	L1941309-02	SODIUM, TOTAL	9/16/2019	258	Y	Y				177	2.79	mg/kg
B-6 (10-11)	L1941309-11	CHROMIUM, TOTAL	9/16/2019	22.9	Y	Y		J	J	0.832	0.080	mg/kg
B-6 (10-11)	L1941309-11	MANGANESE, TOTAL	9/16/2019	596	Y	Y		J	J	0.832	0.132	mg/kg
B-6 (10-11)	L1941309-11	MAGNESIUM, TOTAL	9/16/2019	2630	Y	Y		J	J	8.32	1.28	mg/kg
B-6 (10-11)	L1941309-11	SODIUM, TOTAL	9/16/2019		Y	N	J	U	U	166	2.62	mg/kg
B-6 (10-11)	L1941309-11	SELENIUM, TOTAL	9/16/2019		Y	N	J	U	U	1.66	0.214	mg/kg
B-6 (10-11)	L1941309-11	IRON, TOTAL	9/16/2019	14700	Y	Y		J	J	4.16	0.751	mg/kg
B-6 (10-11)	L1941309-11	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.66	0.262	mg/kg
B-6 (10-11)	L1941309-11	LEAD, TOTAL	9/16/2019	2.68	Y	Y	J		J	4.16	0.223	mg/kg
B-6 (10-11)	L1941309-11	BERYLLIUM, TOTAL	9/16/2019	0.291	Y	Y	J		J	0.416	0.027	mg/kg
B-6 (10-11)	L1941309-11	CALCIUM, TOTAL	9/16/2019	725	Y	Y				8.32	2.91	mg/kg
B-6 (10-11)	L1941309-11	ALUMINUM, TOTAL	9/16/2019	8270	Y	Y				8.32	2.24	mg/kg
B-6 (10-11)	L1941309-11	ARSENIC, TOTAL	9/16/2019	0.940	Y	Y				0.832	0.173	mg/kg
B-6 (10-11)	L1941309-11	BARIUM, TOTAL	9/16/2019	65.6	Y	Y				0.832	0.145	mg/kg
B-6 (10-11)	L1941309-11	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.832	0.235	mg/kg
B-6 (10-11)	L1941309-11	COBALT, TOTAL	9/16/2019	7.75	Y	Y				1.66	0.138	mg/kg

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (10-11)	L1941309-11	COPPER, TOTAL	9/16/2019	32.1	Y	Y				0.832	0.214	mg/kg
B-6 (10-11)	L1941309-11	NICKEL, TOTAL	9/16/2019	58.1	Y	Y				2.08	0.201	mg/kg
B-6 (10-11)	L1941309-11	CADMIUM, TOTAL	9/16/2019		Y	N	U		U	0.832	0.082	mg/kg
B-6 (10-11)	L1941309-11	ZINC, TOTAL	9/16/2019	45.1	Y	Y				4.16	0.244	mg/kg
B-6 (10-11)	L1941309-11	VANADIUM, TOTAL	9/16/2019	19.3	Y	Y				0.832	0.169	mg/kg
B-6 (10-11)	L1941309-11	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.16	0.316	mg/kg
B-6 (10-11)	L1941309-11	POTASSIUM, TOTAL	9/16/2019	2450	Y	Y				208	12.0	mg/kg
B-6 (1-2)	L1941309-13	IRON, TOTAL	9/16/2019	18500	Y	Y		J	J	4.48	0.808	mg/kg
B-6 (1-2)	L1941309-13	MANGANESE, TOTAL	9/16/2019	431	Y	Y		J	J	0.895	0.142	mg/kg
B-6 (1-2)	L1941309-13	MAGNESIUM, TOTAL	9/16/2019	2900	Y	Y		J	J	8.95	1.38	mg/kg
B-6 (1-2)	L1941309-13	CHROMIUM, TOTAL	9/16/2019	24.1	Y	Y		J	J	0.895	0.086	mg/kg
B-6 (1-2)	L1941309-13	SELENIUM, TOTAL	9/16/2019		Y	N	J	U	U	1.79	0.231	mg/kg
B-6 (1-2)	L1941309-13	SODIUM, TOTAL	9/16/2019		Y	N	J	U	U	179	2.82	mg/kg
B-6 (1-2)	L1941309-13	VANADIUM, TOTAL	9/16/2019	28.7	Y	Y				0.895	0.182	mg/kg
B-6 (1-2)	L1941309-13	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.895	0.253	mg/kg
B-6 (1-2)	L1941309-13	POTASSIUM, TOTAL	9/16/2019	1540	Y	Y				224	12.9	mg/kg
B-6 (1-2)	L1941309-13	LEAD, TOTAL	9/16/2019	20.8	Y	Y				4.48	0.240	mg/kg
B-6 (1-2)	L1941309-13	ZINC, TOTAL	9/16/2019	30.5	Y	Y				4.48	0.262	mg/kg
B-6 (1-2)	L1941309-13	COPPER, TOTAL	9/16/2019	15.0	Y	Y				0.895	0.231	mg/kg
B-6 (1-2)	L1941309-13	COBALT, TOTAL	9/16/2019	9.09	Y	Y				1.79	0.148	mg/kg
B-6 (1-2)	L1941309-13	CALCIUM, TOTAL	9/16/2019	1230	Y	Y				8.95	3.13	mg/kg
B-6 (1-2)	L1941309-13	BARIUM, TOTAL	9/16/2019	87.0	Y	Y				0.895	0.156	mg/kg
B-6 (1-2)	L1941309-13	ARSENIC, TOTAL	9/16/2019	3.19	Y	Y				0.895	0.186	mg/kg
B-6 (1-2)	L1941309-13	ALUMINUM, TOTAL	9/16/2019	13900	Y	Y				8.95	2.42	mg/kg
B-6 (1-2)	L1941309-13	NICKEL, TOTAL	9/16/2019	17.2	Y	Y				2.24	0.217	mg/kg

SDG: L1941309

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (1-2)	L1941309-13	CADMIUM, TOTAL	9/16/2019		Y	N	U		U	0.895	0.088	mg/kg
B-6 (1-2)	L1941309-13	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.48	0.340	mg/kg
B-6 (1-2)	L1941309-13	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.79	0.282	mg/kg
B-6 (1-2)	L1941309-13	BERYLLIUM, TOTAL	9/16/2019	0.394	Y	Y	J		J	0.448	0.030	mg/kg
B-6 (7-8)	L1941309-12	MAGNESIUM, TOTAL	9/16/2019	2180	Y	Y		J	J	8.29	1.28	mg/kg
B-6 (7-8)	L1941309-12	IRON, TOTAL	9/16/2019	14000	Y	Y		J	J	4.14	0.748	mg/kg
B-6 (7-8)	L1941309-12	CHROMIUM, TOTAL	9/16/2019	19.2	Y	Y		J	J	0.829	0.080	mg/kg
B-6 (7-8)	L1941309-12	SODIUM, TOTAL	9/16/2019		Y	N	J	U	U	166	2.61	mg/kg
B-6 (7-8)	L1941309-12	SELENIUM, TOTAL	9/16/2019		Y	N	J	U	U	1.66	0.214	mg/kg
B-6 (7-8)	L1941309-12	MANGANESE, TOTAL	9/16/2019	482	Y	Y		J	J	0.829	0.132	mg/kg
B-6 (7-8)	L1941309-12	COPPER, TOTAL	9/16/2019	15.2	Y	Y				0.829	0.214	mg/kg
B-6 (7-8)	L1941309-12	VANADIUM, TOTAL	9/16/2019	19.8	Y	Y				0.829	0.168	mg/kg
B-6 (7-8)	L1941309-12	ZINC, TOTAL	9/16/2019	19.2	Y	Y				4.14	0.243	mg/kg
B-6 (7-8)	L1941309-12	POTASSIUM, TOTAL	9/16/2019	2360	Y	Y				207	11.9	mg/kg
B-6 (7-8)	L1941309-12	BERYLLIUM, TOTAL	9/16/2019	0.265	Y	Y	J		J	0.414	0.027	mg/kg
B-6 (7-8)	L1941309-12	NICKEL, TOTAL	9/16/2019	21.3	Y	Y				2.07	0.200	mg/kg
B-6 (7-8)	L1941309-12	LEAD, TOTAL	9/16/2019	2.49	Y	Y	J		J	4.14	0.222	mg/kg
B-6 (7-8)	L1941309-12	CALCIUM, TOTAL	9/16/2019	454	Y	Y				8.29	2.90	mg/kg
B-6 (7-8)	L1941309-12	ANTIMONY, TOTAL	9/16/2019		Y	N	U		U	4.14	0.315	mg/kg
B-6 (7-8)	L1941309-12	COBALT, TOTAL	9/16/2019	7.14	Y	Y				1.66	0.138	mg/kg
B-6 (7-8)	L1941309-12	CADMIUM, TOTAL	9/16/2019		Y	N	U		U	0.829	0.081	mg/kg
B-6 (7-8)	L1941309-12	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.829	0.234	mg/kg
B-6 (7-8)	L1941309-12	BARIUM, TOTAL	9/16/2019	66.2	Y	Y				0.829	0.144	mg/kg
B-6 (7-8)	L1941309-12	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.66	0.261	mg/kg
B-6 (7-8)	L1941309-12	ALUMINUM, TOTAL	9/16/2019	8690	Y	Y				8.29	2.24	mg/kg

SDG: L1941309

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (7-8)	L1941309-12	ARSENIC, TOTAL	9/16/2019	0.978	Y	Y				0.829	0.172	mg/kg
B-7 (1-2)	L1941309-03	CHROMIUM, TOTAL	9/16/2019	164	Y	Y		J	J	0.924	0.089	mg/kg
B-7 (1-2)	L1941309-03	ANTIMONY, TOTAL	9/16/2019		Y	N	J	U	U	4.62	0.351	mg/kg
B-7 (1-2)	L1941309-03	SELENIUM, TOTAL	9/16/2019		Y	N	J	U	U	1.85	0.238	mg/kg
B-7 (1-2)	L1941309-03	MANGANESE, TOTAL	9/16/2019	309	Y	Y		J	J	0.924	0.147	mg/kg
B-7 (1-2)	L1941309-03	MAGNESIUM, TOTAL	9/16/2019	6530	Y	Y		J	J	9.24	1.42	mg/kg
B-7 (1-2)	L1941309-03	IRON, TOTAL	9/16/2019	30500	Y	Y		J	J	4.62	0.835	mg/kg
B-7 (1-2)	L1941309-03	POTASSIUM, TOTAL	9/16/2019	6250	Y	Y				231	13.3	mg/kg
B-7 (1-2)	L1941309-03	ARSENIC, TOTAL	9/16/2019	3.06	Y	Y				0.924	0.192	mg/kg
B-7 (1-2)	L1941309-03	BARIUM, TOTAL	9/16/2019	174	Y	Y				0.924	0.161	mg/kg
B-7 (1-2)	L1941309-03	CALCIUM, TOTAL	9/16/2019	796	Y	Y				9.24	3.24	mg/kg
B-7 (1-2)	L1941309-03	COBALT, TOTAL	9/16/2019	21.2	Y	Y				1.85	0.153	mg/kg
B-7 (1-2)	L1941309-03	COPPER, TOTAL	9/16/2019	230	Y	Y				0.924	0.238	mg/kg
B-7 (1-2)	L1941309-03	ALUMINUM, TOTAL	9/16/2019	17900	Y	Y				9.24	2.50	mg/kg
B-7 (1-2)	L1941309-03	NICKEL, TOTAL	9/16/2019	320	Y	Y				2.31	0.224	mg/kg
B-7 (1-2)	L1941309-03	VANADIUM, TOTAL	9/16/2019	54.2	Y	Y				0.924	0.188	mg/kg
B-7 (1-2)	L1941309-03	SODIUM, TOTAL	9/16/2019	2610	Y	Y				185	2.91	mg/kg
B-7 (1-2)	L1941309-03	ZINC, TOTAL	9/16/2019	62.9	Y	Y				4.62	0.271	mg/kg
B-7 (1-2)	L1941309-03	CADMIUM, TOTAL	9/16/2019		Y	N	U		U	0.924	0.091	mg/kg
B-7 (1-2)	L1941309-03	SILVER, TOTAL	9/16/2019		Y	N	U		U	0.924	0.262	mg/kg
B-7 (1-2)	L1941309-03	THALLIUM, TOTAL	9/16/2019		Y	N	U		U	1.85	0.291	mg/kg
B-7 (1-2)	L1941309-03	BERYLLIUM, TOTAL	9/16/2019	0.065	Y	Y	J		J	0.462	0.031	mg/kg
B-7 (1-2)	L1941309-03	LEAD, TOTAL	9/16/2019	122	Y	Y				4.62	0.248	mg/kg

Analytical Method A2540G

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (10-11)	L1941309-08	SOLIDS, TOTAL	9/11/2019	95.4	Y	Y				0.100	0.100	percent
B-1 (2-3)	L1941309-06	SOLIDS, TOTAL	9/11/2019	91.8	Y	Y				0.100	0.100	percent
B-1 (5-6)	L1941309-07	SOLIDS, TOTAL	9/11/2019	94.4	Y	Y				0.100	0.100	percent
B-10 (11-12)	L1941309-16	SOLIDS, TOTAL	9/11/2019	92.2	Y	Y				0.100	0.100	percent
B-10 (2-3)	L1941309-14	SOLIDS, TOTAL	9/11/2019	89.9	Y	Y				0.100	0.100	percent
B-10 (7-8)	L1941309-15	SOLIDS, TOTAL	9/11/2019	87.9	Y	Y				0.100	0.100	percent
B-11 (0-1)	L1941309-10	SOLIDS, TOTAL	9/11/2019	81.4	Y	Y				0.100	0.100	percent
B-11 (6-7)	L1941309-09	SOLIDS, TOTAL	9/11/2019	90.2	Y	Y				0.100	0.100	percent
B-15 (3-4)	L1941309-17	SOLIDS, TOTAL	9/11/2019	90.4	Y	Y				0.100	0.100	percent
B-15 (6-7)	L1941309-18	SOLIDS, TOTAL	9/11/2019	89.3	Y	Y				0.100	0.100	percent
B-16 (3-4)	L1941309-04	SOLIDS, TOTAL	9/11/2019	94.1	Y	Y				0.100	0.100	percent
B-16 (7-8)	L1941309-05	SOLIDS, TOTAL	9/11/2019	91.6	Y	Y				0.100	0.100	percent
B-2 (3-4)	L1941309-01	SOLIDS, TOTAL	9/11/2019	95.6	Y	Y				0.100	0.100	percent
B-2 (6-7)	L1941309-02	SOLIDS, TOTAL	9/11/2019	89.7	Y	Y				0.100	0.100	percent
B-6 (10-11)	L1941309-11	SOLIDS, TOTAL	9/11/2019	90.9	Y	Y				0.100	0.100	percent
B-6 (1-2)	L1941309-13	SOLIDS, TOTAL	9/11/2019	88.6	Y	Y				0.100	0.100	percent
B-6 (7-8)	L1941309-12	SOLIDS, TOTAL	9/11/2019	91.2	Y	Y				0.100	0.100	percent
B-7 (1-2)	L1941309-03	SOLIDS, TOTAL	9/11/2019	82.5	Y	Y				0.100	0.100	percent

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (10-11)	L1941309-08	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	0.982	0.045	ug/kg
B-1 (10-11)	L1941309-08	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U	UJ	UJ	0.982	0.134	ug/kg
B-1 (10-11)	L1941309-08	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019		Y	N	U	UJ	UJ	0.982	0.096	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (10-11)	L1941309-08	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	0.982	0.176	ug/kg
B-1 (10-11)	L1941309-08	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U		U	0.982	0.198	ug/kg
B-1 (10-11)	L1941309-08	PFOA/PFOS, TOTAL	9/30/2019		Y	N	U		U	0.982	0.041	ug/kg
B-1 (10-11)	L1941309-08	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	0.982	0.038	ug/kg
B-1 (10-11)	L1941309-08	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	0.982	0.022	ug/kg
B-1 (10-11)	L1941309-08	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	0.982	0.150	ug/kg
B-1 (10-11)	L1941309-08	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	0.982	0.201	ug/kg
B-1 (10-11)	L1941309-08	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	0.982	0.069	ug/kg
B-1 (10-11)	L1941309-08	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	0.982	0.046	ug/kg
B-1 (10-11)	L1941309-08	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	0.982	0.044	ug/kg
B-1 (10-11)	L1941309-08	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U	UJ	UJ	0.982	0.059	ug/kg
B-1 (10-11)	L1941309-08	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	0.982	0.074	ug/kg
B-1 (10-11)	L1941309-08	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019		Y	N	U		U	0.982	0.128	ug/kg
B-1 (10-11)	L1941309-08	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019		Y	N	U		U	0.982	0.041	ug/kg
B-1 (10-11)	L1941309-08	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019		Y	N	U		U	0.982	0.083	ug/kg
B-1 (10-11)	L1941309-08	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	0.982	0.053	ug/kg
B-1 (10-11)	L1941309-08	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	0.982	0.066	ug/kg
B-1 (10-11)	L1941309-08	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	0.982	0.282	ug/kg

SDG: L1941309

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (10-11)	L1941309-08	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	U		U	0.982	0.052	ug/kg
B-1 (2-3)	L1941309-06	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	1.00	0.067	ug/kg
B-1 (2-3)	L1941309-06	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U	UJ	UJ	1.00	0.202	ug/kg
B-1 (2-3)	L1941309-06	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	1.00	0.047	ug/kg
B-1 (2-3)	L1941309-06	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	1.00	0.046	ug/kg
B-1 (2-3)	L1941309-06	PFOA/PFOS, TOTAL	9/30/2019		Y	N	U		U	1.00	0.042	ug/kg
B-1 (2-3)	L1941309-06	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	1.00	0.039	ug/kg
B-1 (2-3)	L1941309-06	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019		Y	N	U	UJ	UJ	1.00	0.085	ug/kg
B-1 (2-3)	L1941309-06	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	1.00	0.180	ug/kg
B-1 (2-3)	L1941309-06	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	1.00	0.023	ug/kg
B-1 (2-3)	L1941309-06	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	1.00	0.154	ug/kg
B-1 (2-3)	L1941309-06	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	1.00	0.070	ug/kg
B-1 (2-3)	L1941309-06	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	J	U	U	1.00	0.053	ug/kg
B-1 (2-3)	L1941309-06	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U	UJ	UJ	1.00	0.137	ug/kg
B-1 (2-3)	L1941309-06	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	1.00	0.075	ug/kg
B-1 (2-3)	L1941309-06	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019		Y	N	U		U	1.00	0.042	ug/kg
B-1 (2-3)	L1941309-06	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019		Y	N	U		U	1.00	0.130	ug/kg
B-1 (2-3)	L1941309-06	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	1.00	0.288	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (2-3)	L1941309-06	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	1.00	0.054	ug/kg
B-1 (2-3)	L1941309-06	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	1.00	0.045	ug/kg
B-1 (2-3)	L1941309-06	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U	UJ	UJ	1.00	0.061	ug/kg
B-1 (2-3)	L1941309-06	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	1.00	0.205	ug/kg
B-1 (2-3)	L1941309-06	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019		Y	N	U	UJ	UJ	1.00	0.098	ug/kg
B-1 (5-6)	L1941309-07	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U	UJ	UJ	0.942	0.057	ug/kg
B-1 (5-6)	L1941309-07	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U	UJ	U	0.942	0.043	ug/kg
B-1 (5-6)	L1941309-07	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U	UJ	UJ	0.942	0.128	ug/kg
B-1 (5-6)	L1941309-07	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	0.942	0.066	ug/kg
B-1 (5-6)	L1941309-07	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	0.942	0.063	ug/kg
B-1 (5-6)	L1941309-07	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	0.942	0.037	ug/kg
B-1 (5-6)	L1941309-07	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	0.942	0.144	ug/kg
B-1 (5-6)	L1941309-07	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U	UJ	U	0.942	0.021	ug/kg
B-1 (5-6)	L1941309-07	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	0.942	0.051	ug/kg
B-1 (5-6)	L1941309-07	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	0.942	0.169	ug/kg
B-1 (5-6)	L1941309-07	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	0.942	0.071	ug/kg
B-1 (5-6)	L1941309-07	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019		Y	N	U	UJ	U	0.942	0.080	ug/kg
B-1 (5-6)	L1941309-07	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U	UJ	U	0.942	0.190	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (5-6)	L1941309-07	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	0.942	0.270	ug/kg
B-1 (5-6)	L1941309-07	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U	UJ	U	0.942	0.043	ug/kg
B-1 (5-6)	L1941309-07	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U	R	R	0.942	0.192	ug/kg
B-1 (5-6)	L1941309-07	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	0.942	0.044	ug/kg
B-1 (5-6)	L1941309-07	PFOA/PFOS, TOTAL	9/30/2019	0.436	Y	Y	J		J	0.942	0.039	ug/kg
B-1 (5-6)	L1941309-07	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019		Y	N	U		U	0.942	0.039	ug/kg
B-1 (5-6)	L1941309-07	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019		Y	N	U	UJ	UJ	9.42	0.092	ug/kg
B-1 (5-6)	L1941309-07	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019	0.436	Y	Y	J		J	0.942	0.122	ug/kg
B-1 (5-6)	L1941309-07	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	J	UJ	U	0.942	0.049	ug/kg
B-10 (11-12)	L1941309-16	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019		Y	N	U	UJ	UJ	1.04	0.102	ug/kg
B-10 (11-12)	L1941309-16	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	J	U	U	1.04	0.055	ug/kg
B-10 (11-12)	L1941309-16	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	1.04	0.041	ug/kg
B-10 (11-12)	L1941309-16	PFOA/PFOS, TOTAL	9/30/2019		Y	N	U		U	1.04	0.044	ug/kg
B-10 (11-12)	L1941309-16	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U	UJ	UJ	1.04	0.143	ug/kg
B-10 (11-12)	L1941309-16	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U		U	1.04	0.211	ug/kg
B-10 (11-12)	L1941309-16	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U	UJ	UJ	1.04	0.063	ug/kg
B-10 (11-12)	L1941309-16	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	1.04	0.300	ug/kg
B-10 (11-12)	L1941309-16	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	1.04	0.073	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (11-12)	L1941309-16	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	1.04	0.188	ug/kg
B-10 (11-12)	L1941309-16	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019		Y	N	U		U	1.04	0.088	ug/kg
B-10 (11-12)	L1941309-16	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	1.04	0.048	ug/kg
B-10 (11-12)	L1941309-16	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	1.04	0.214	ug/kg
B-10 (11-12)	L1941309-16	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	1.04	0.056	ug/kg
B-10 (11-12)	L1941309-16	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	1.04	0.070	ug/kg
B-10 (11-12)	L1941309-16	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	1.04	0.078	ug/kg
B-10 (11-12)	L1941309-16	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	1.04	0.049	ug/kg
B-10 (11-12)	L1941309-16	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019		Y	N	U		U	1.04	0.044	ug/kg
B-10 (11-12)	L1941309-16	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019		Y	N	U		U	1.04	0.136	ug/kg
B-10 (11-12)	L1941309-16	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	1.04	0.160	ug/kg
B-10 (11-12)	L1941309-16	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	1.04	0.024	ug/kg
B-10 (11-12)	L1941309-16	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	1.04	0.047	ug/kg
B-10 (2-3)	L1941309-14	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019		Y	N	U	UJ	UJ	0.993	0.097	ug/kg
B-10 (2-3)	L1941309-14	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019	0.878	Y	Y	J		J	0.993	0.129	ug/kg
B-10 (2-3)	L1941309-14	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	J	U	U	0.993	0.052	ug/kg
B-10 (2-3)	L1941309-14	PFOA/PFOS, TOTAL	9/30/2019	0.878	Y	Y	J		J	0.993	0.042	ug/kg
B-10 (2-3)	L1941309-14	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	0.993	0.178	ug/kg
B-10 (2-3)	L1941309-14	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	0.993	0.047	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (2-3)	L1941309-14	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	0.993	0.054	ug/kg
B-10 (2-3)	L1941309-14	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	0.993	0.070	ug/kg
B-10 (2-3)	L1941309-14	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	0.993	0.203	ug/kg
B-10 (2-3)	L1941309-14	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019		Y	N	U		U	0.993	0.084	ug/kg
B-10 (2-3)	L1941309-14	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	0.993	0.046	ug/kg
B-10 (2-3)	L1941309-14	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U	UJ	UJ	0.993	0.136	ug/kg
B-10 (2-3)	L1941309-14	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	0.993	0.285	ug/kg
B-10 (2-3)	L1941309-14	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	0.993	0.045	ug/kg
B-10 (2-3)	L1941309-14	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U		U	0.993	0.200	ug/kg
B-10 (2-3)	L1941309-14	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	0.993	0.039	ug/kg
B-10 (2-3)	L1941309-14	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U	UJ	UJ	0.993	0.060	ug/kg
B-10 (2-3)	L1941309-14	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	0.993	0.067	ug/kg
B-10 (2-3)	L1941309-14	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019		Y	N	U		U	0.993	0.042	ug/kg
B-10 (2-3)	L1941309-14	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	0.993	0.152	ug/kg
B-10 (2-3)	L1941309-14	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	0.993	0.023	ug/kg
B-10 (2-3)	L1941309-14	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	0.993	0.075	ug/kg
B-10 (7-8)	L1941309-15	PFOA/PFOS, TOTAL	9/30/2019	0.364	Y	Y	J		J	1.02	0.043	ug/kg
B-10 (7-8)	L1941309-15	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019	0.364	Y	Y	J		J	1.02	0.133	ug/kg
B-10 (7-8)	L1941309-15	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019		Y	N	U	UJ	UJ	1.02	0.100	ug/kg

SDG: L1941309

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (7-8)	L1941309-15	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	J	U	U	1.02	0.054	ug/kg
B-10 (7-8)	L1941309-15	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	1.02	0.023	ug/kg
B-10 (7-8)	L1941309-15	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	1.02	0.048	ug/kg
B-10 (7-8)	L1941309-15	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019		Y	N	U		U	1.02	0.043	ug/kg
B-10 (7-8)	L1941309-15	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U	UJ	UJ	1.02	0.140	ug/kg
B-10 (7-8)	L1941309-15	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U		U	1.02	0.206	ug/kg
B-10 (7-8)	L1941309-15	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019		Y	N	U		U	1.02	0.086	ug/kg
B-10 (7-8)	L1941309-15	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	1.02	0.046	ug/kg
B-10 (7-8)	L1941309-15	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	1.02	0.293	ug/kg
B-10 (7-8)	L1941309-15	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	1.02	0.069	ug/kg
B-10 (7-8)	L1941309-15	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	1.02	0.040	ug/kg
B-10 (7-8)	L1941309-15	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	1.02	0.209	ug/kg
B-10 (7-8)	L1941309-15	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	1.02	0.156	ug/kg
B-10 (7-8)	L1941309-15	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	1.02	0.072	ug/kg
B-10 (7-8)	L1941309-15	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	1.02	0.184	ug/kg
B-10 (7-8)	L1941309-15	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U	UJ	UJ	1.02	0.062	ug/kg
B-10 (7-8)	L1941309-15	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	1.02	0.055	ug/kg
B-10 (7-8)	L1941309-15	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	1.02	0.047	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (7-8)	L1941309-15	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	1.02	0.077	ug/kg
B-11 (0-1)	L1941309-10	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U	UJ	UJ	1.10	0.222	ug/kg
B-11 (0-1)	L1941309-10	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	1.10	0.226	ug/kg
B-11 (0-1)	L1941309-10	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	1.10	0.198	ug/kg
B-11 (0-1)	L1941309-10	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	1.10	0.317	ug/kg
B-11 (0-1)	L1941309-10	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	1.10	0.060	ug/kg
B-11 (0-1)	L1941309-10	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U	UJ	UJ	1.10	0.051	ug/kg
B-11 (0-1)	L1941309-10	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	U	UJ	UJ	1.10	0.058	ug/kg
B-11 (0-1)	L1941309-10	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U	UJ	UJ	1.10	0.074	ug/kg
B-11 (0-1)	L1941309-10	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U	UJ	UJ	1.10	0.025	ug/kg
B-11 (0-1)	L1941309-10	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	1.10	0.043	ug/kg
B-11 (0-1)	L1941309-10	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U	UJ	UJ	1.10	0.083	ug/kg
B-11 (0-1)	L1941309-10	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U	UJ	UJ	1.10	0.052	ug/kg
B-11 (0-1)	L1941309-10	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U	UJ	UJ	1.10	0.151	ug/kg
B-11 (0-1)	L1941309-10	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U	UJ	UJ	1.10	0.050	ug/kg
B-11 (0-1)	L1941309-10	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U	UJ	UJ	1.10	0.077	ug/kg
B-11 (0-1)	L1941309-10	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	1.10	0.169	ug/kg
B-11 (0-1)	L1941309-10	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U	UJ	UJ	1.10	0.067	ug/kg
B-11 (0-1)	L1941309-10	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019	0.363	Y	Y	J	J	J	1.10	0.108	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (0-1)	L1941309-10	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019	0.343	Y	Y	J	J	J	1.10	0.093	ug/kg
B-11 (0-1)	L1941309-10	PFOA/PFOS, TOTAL	9/30/2019	7.47	Y	Y	J		J	1.10	0.046	ug/kg
B-11 (0-1)	L1941309-10	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019	0.195	Y	Y	J	J	J	1.10	0.046	ug/kg
B-11 (0-1)	L1941309-10	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019	7.27	Y	Y				1.10	0.144	ug/kg
B-11 (6-7)	L1941309-09	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	1.04	0.057	ug/kg
B-11 (6-7)	L1941309-09	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019	0.324	Y	Y	J		J	1.04	0.044	ug/kg
B-11 (6-7)	L1941309-09	PFOA/PFOS, TOTAL	9/30/2019	3.97	Y	Y	J		J	1.04	0.044	ug/kg
B-11 (6-7)	L1941309-09	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	1.04	0.214	ug/kg
B-11 (6-7)	L1941309-09	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	1.04	0.048	ug/kg
B-11 (6-7)	L1941309-09	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	1.04	0.078	ug/kg
B-11 (6-7)	L1941309-09	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U	UJ	UJ	1.04	0.063	ug/kg
B-11 (6-7)	L1941309-09	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	1.04	0.160	ug/kg
B-11 (6-7)	L1941309-09	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	1.04	0.047	ug/kg
B-11 (6-7)	L1941309-09	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	1.04	0.300	ug/kg
B-11 (6-7)	L1941309-09	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U	UJ	UJ	1.04	0.143	ug/kg
B-11 (6-7)	L1941309-09	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	1.04	0.073	ug/kg
B-11 (6-7)	L1941309-09	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	1.04	0.070	ug/kg
B-11 (6-7)	L1941309-09	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	1.04	0.188	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (6-7)	L1941309-09	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U		U	1.04	0.211	ug/kg
B-11 (6-7)	L1941309-09	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	1.04	0.024	ug/kg
B-11 (6-7)	L1941309-09	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019	0.203	Y	Y	J		J	1.04	0.041	ug/kg
B-11 (6-7)	L1941309-09	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	1.04	0.049	ug/kg
B-11 (6-7)	L1941309-09	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019	2.85	Y	Y				1.04	0.088	ug/kg
B-11 (6-7)	L1941309-09	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019	2.38	Y	Y		J	J	1.04	0.102	ug/kg
B-11 (6-7)	L1941309-09	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019	3.65	Y	Y				1.04	0.136	ug/kg
B-11 (6-7)	L1941309-09	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	U		U	1.04	0.055	ug/kg
B-15 (3-4)	L1941309-17	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	J	U	U	1.08	0.057	ug/kg
B-15 (3-4)	L1941309-17	PFOA/PFOS, TOTAL	9/30/2019	1.93	Y	Y	J		J	1.08	0.045	ug/kg
B-15 (3-4)	L1941309-17	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019	0.152	Y	Y	J		J	1.08	0.045	ug/kg
B-15 (3-4)	L1941309-17	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019		Y	N	U		U	1.08	0.092	ug/kg
B-15 (3-4)	L1941309-17	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	1.08	0.311	ug/kg
B-15 (3-4)	L1941309-17	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019		Y	N	U	UJ	UJ	1.08	0.106	ug/kg
B-15 (3-4)	L1941309-17	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	1.08	0.195	ug/kg
B-15 (3-4)	L1941309-17	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	1.08	0.081	ug/kg
B-15 (3-4)	L1941309-17	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	1.08	0.076	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (3-4)	L1941309-17	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	1.08	0.166	ug/kg
B-15 (3-4)	L1941309-17	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	1.08	0.025	ug/kg
B-15 (3-4)	L1941309-17	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	1.08	0.049	ug/kg
B-15 (3-4)	L1941309-17	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	1.08	0.073	ug/kg
B-15 (3-4)	L1941309-17	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U	UJ	UJ	1.08	0.066	ug/kg
B-15 (3-4)	L1941309-17	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U	UJ	UJ	1.08	0.148	ug/kg
B-15 (3-4)	L1941309-17	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	1.08	0.050	ug/kg
B-15 (3-4)	L1941309-17	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	1.08	0.059	ug/kg
B-15 (3-4)	L1941309-17	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	1.08	0.222	ug/kg
B-15 (3-4)	L1941309-17	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	1.08	0.042	ug/kg
B-15 (3-4)	L1941309-17	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	1.08	0.051	ug/kg
B-15 (3-4)	L1941309-17	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U		U	1.08	0.218	ug/kg
B-15 (3-4)	L1941309-17	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019	1.78	Y	Y				1.08	0.141	ug/kg
B-15 (6-7)	L1941309-18	PFOA/PFOS, TOTAL	9/30/2019	0.338	Y	Y	J		J	1.04	0.043	ug/kg
B-15 (6-7)	L1941309-18	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019	0.338	Y	Y	J		J	1.04	0.135	ug/kg
B-15 (6-7)	L1941309-18	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	J	U	U	1.04	0.054	ug/kg
B-15 (6-7)	L1941309-18	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	1.04	0.298	ug/kg
B-15 (6-7)	L1941309-18	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	1.04	0.186	ug/kg

SDG: L1941309

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (6-7)	L1941309-18	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019		Y	N	U		U	1.04	0.088	ug/kg
B-15 (6-7)	L1941309-18	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U		U	1.04	0.209	ug/kg
B-15 (6-7)	L1941309-18	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	1.04	0.040	ug/kg
B-15 (6-7)	L1941309-18	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	1.04	0.024	ug/kg
B-15 (6-7)	L1941309-18	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	1.04	0.159	ug/kg
B-15 (6-7)	L1941309-18	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	1.04	0.047	ug/kg
B-15 (6-7)	L1941309-18	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	1.04	0.070	ug/kg
B-15 (6-7)	L1941309-18	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	1.04	0.078	ug/kg
B-15 (6-7)	L1941309-18	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	1.04	0.073	ug/kg
B-15 (6-7)	L1941309-18	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	1.04	0.049	ug/kg
B-15 (6-7)	L1941309-18	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U	UJ	UJ	1.04	0.142	ug/kg
B-15 (6-7)	L1941309-18	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	1.04	0.056	ug/kg
B-15 (6-7)	L1941309-18	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	1.04	0.048	ug/kg
B-15 (6-7)	L1941309-18	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019		Y	N	U		U	1.04	0.043	ug/kg
B-15 (6-7)	L1941309-18	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U	UJ	UJ	1.04	0.063	ug/kg
B-15 (6-7)	L1941309-18	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	1.04	0.212	ug/kg
B-15 (6-7)	L1941309-18	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019		Y	N	U	UJ	UJ	1.04	0.102	ug/kg
B-16 (3-4)	L1941309-04	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	0.996	0.067	ug/kg
B-16 (3-4)	L1941309-04	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019		Y	N	U		U	0.996	0.042	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (3-4)	L1941309-04	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	0.996	0.054	ug/kg
B-16 (3-4)	L1941309-04	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	0.996	0.046	ug/kg
B-16 (3-4)	L1941309-04	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U	UJ	UJ	0.996	0.060	ug/kg
B-16 (3-4)	L1941309-04	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019	0.071	Y	Y	J		J	0.996	0.039	ug/kg
B-16 (3-4)	L1941309-04	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019	0.438	Y	Y	J		J	0.996	0.084	ug/kg
B-16 (3-4)	L1941309-04	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019	0.112	Y	Y	J	J	J	0.996	0.098	ug/kg
B-16 (3-4)	L1941309-04	PERFLURONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	0.996	0.075	ug/kg
B-16 (3-4)	L1941309-04	PERFLURODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	0.996	0.152	ug/kg
B-16 (3-4)	L1941309-04	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U	UJ	UJ	0.996	0.136	ug/kg
B-16 (3-4)	L1941309-04	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	0.996	0.045	ug/kg
B-16 (3-4)	L1941309-04	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	0.996	0.070	ug/kg
B-16 (3-4)	L1941309-04	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	0.996	0.204	ug/kg
B-16 (3-4)	L1941309-04	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U		U	0.996	0.200	ug/kg
B-16 (3-4)	L1941309-04	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	0.996	0.179	ug/kg
B-16 (3-4)	L1941309-04	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	0.996	0.286	ug/kg
B-16 (3-4)	L1941309-04	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	0.996	0.047	ug/kg
B-16 (3-4)	L1941309-04	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	0.996	0.023	ug/kg
B-16 (3-4)	L1941309-04	PFOA/PFOS, TOTAL	9/30/2019	8.62	Y	Y				0.996	0.042	ug/kg

SDG: L1941309

Analytical Method	E537(M)										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (3-4)	L1941309-04	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	U		U	0.996	0.052	ug/kg
B-16 (3-4)	L1941309-04	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019	8.62	Y	Y				0.996	0.129	ug/kg
B-16 (7-8)	L1941309-05	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	1.05	0.074	ug/kg
B-16 (7-8)	L1941309-05	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U	UJ	UJ	1.05	0.144	ug/kg
B-16 (7-8)	L1941309-05	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	1.05	0.048	ug/kg
B-16 (7-8)	L1941309-05	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019		Y	N	U		U	1.05	0.044	ug/kg
B-16 (7-8)	L1941309-05	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U	UJ	UJ	1.05	0.064	ug/kg
B-16 (7-8)	L1941309-05	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	1.05	0.079	ug/kg
B-16 (7-8)	L1941309-05	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	1.05	0.071	ug/kg
B-16 (7-8)	L1941309-05	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	1.05	0.216	ug/kg
B-16 (7-8)	L1941309-05	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	1.05	0.057	ug/kg
B-16 (7-8)	L1941309-05	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	1.05	0.049	ug/kg
B-16 (7-8)	L1941309-05	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U		U	1.05	0.212	ug/kg
B-16 (7-8)	L1941309-05	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019		Y	N	U	UJ	UJ	1.05	0.103	ug/kg
B-16 (7-8)	L1941309-05	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	1.05	0.303	ug/kg
B-16 (7-8)	L1941309-05	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	1.05	0.189	ug/kg
B-16 (7-8)	L1941309-05	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019		Y	N	U		U	1.05	0.089	ug/kg
B-16 (7-8)	L1941309-05	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	1.05	0.161	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (7-8)	L1941309-05	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	1.05	0.041	ug/kg
B-16 (7-8)	L1941309-05	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	1.05	0.024	ug/kg
B-16 (7-8)	L1941309-05	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	1.05	0.049	ug/kg
B-16 (7-8)	L1941309-05	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	U		U	1.05	0.055	ug/kg
B-16 (7-8)	L1941309-05	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019	10.6	Y	Y				1.05	0.137	ug/kg
B-16 (7-8)	L1941309-05	PFOA/PFOS, TOTAL	9/30/2019	10.6	Y	Y				1.05	0.044	ug/kg
B-2 (3-4)	L1941309-01	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019		Y	N	U		U	1.04	0.044	ug/kg
B-2 (3-4)	L1941309-01	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	1.04	0.056	ug/kg
B-2 (3-4)	L1941309-01	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	1.04	0.078	ug/kg
B-2 (3-4)	L1941309-01	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	1.04	0.048	ug/kg
B-2 (3-4)	L1941309-01	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	1.04	0.047	ug/kg
B-2 (3-4)	L1941309-01	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	1.04	0.049	ug/kg
B-2 (3-4)	L1941309-01	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019		Y	N	U		U	1.04	0.135	ug/kg
B-2 (3-4)	L1941309-01	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U		U	1.04	0.063	ug/kg
B-2 (3-4)	L1941309-01	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U	UJ	UJ	1.04	0.210	ug/kg
B-2 (3-4)	L1941309-01	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U	R	R	1.04	0.213	ug/kg
B-2 (3-4)	L1941309-01	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U		U	1.04	0.142	ug/kg
B-2 (3-4)	L1941309-01	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	1.04	0.073	ug/kg
B-2 (3-4)	L1941309-01	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	1.04	0.070	ug/kg
B-2 (3-4)	L1941309-01	PFOA/PFOS, TOTAL	9/30/2019		Y	N	U		U	1.04	0.044	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-2 (3-4)	L1941309-01	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	1.04	0.041	ug/kg
B-2 (3-4)	L1941309-01	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	1.04	0.159	ug/kg
B-2 (3-4)	L1941309-01	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019		Y	N	U	UJ	UJ	1.04	0.088	ug/kg
B-2 (3-4)	L1941309-01	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	1.04	0.187	ug/kg
B-2 (3-4)	L1941309-01	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	1.04	0.299	ug/kg
B-2 (3-4)	L1941309-01	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019		Y	N	U	UJ	UJ	10.4	0.102	ug/kg
B-2 (3-4)	L1941309-01	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	U		U	1.04	0.055	ug/kg
B-2 (3-4)	L1941309-01	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	1.04	0.024	ug/kg
B-2 (6-7)	L1941309-02	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U		U	1.05	0.064	ug/kg
B-2 (6-7)	L1941309-02	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	1.05	0.048	ug/kg
B-2 (6-7)	L1941309-02	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	1.05	0.024	ug/kg
B-2 (6-7)	L1941309-02	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	1.05	0.049	ug/kg
B-2 (6-7)	L1941309-02	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	1.05	0.216	ug/kg
B-2 (6-7)	L1941309-02	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	1.05	0.057	ug/kg
B-2 (6-7)	L1941309-02	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	1.05	0.049	ug/kg
B-2 (6-7)	L1941309-02	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019		Y	N	U		U	1.05	0.044	ug/kg
B-2 (6-7)	L1941309-02	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019		Y	N	U		U	1.05	0.137	ug/kg
B-2 (6-7)	L1941309-02	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U		U	1.05	0.144	ug/kg
B-2 (6-7)	L1941309-02	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	1.05	0.079	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-2 (6-7)	L1941309-02	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	1.05	0.302	ug/kg
B-2 (6-7)	L1941309-02	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	1.05	0.074	ug/kg
B-2 (6-7)	L1941309-02	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	1.05	0.161	ug/kg
B-2 (6-7)	L1941309-02	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	1.05	0.041	ug/kg
B-2 (6-7)	L1941309-02	PFOA/PFOS, TOTAL	9/30/2019		Y	N	U		U	1.05	0.044	ug/kg
B-2 (6-7)	L1941309-02	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U		U	1.05	0.212	ug/kg
B-2 (6-7)	L1941309-02	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019		Y	N	U		U	1.05	0.089	ug/kg
B-2 (6-7)	L1941309-02	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	1.05	0.189	ug/kg
B-2 (6-7)	L1941309-02	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019		Y	N	U	UJ	UJ	1.05	0.103	ug/kg
B-2 (6-7)	L1941309-02	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	1.05	0.071	ug/kg
B-2 (6-7)	L1941309-02	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	U		U	1.05	0.055	ug/kg
B-6 (10-11)	L1941309-11	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019	0.105	Y	Y	J	J	J	0.984	0.097	ug/kg
B-6 (10-11)	L1941309-11	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	0.984	0.044	ug/kg
B-6 (10-11)	L1941309-11	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	0.984	0.074	ug/kg
B-6 (10-11)	L1941309-11	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	U		U	0.984	0.052	ug/kg
B-6 (10-11)	L1941309-11	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	0.984	0.201	ug/kg
B-6 (10-11)	L1941309-11	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	0.984	0.045	ug/kg
B-6 (10-11)	L1941309-11	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	0.984	0.282	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (10-11)	L1941309-11	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019		Y	N	U		U	0.984	0.083	ug/kg
B-6 (10-11)	L1941309-11	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	0.984	0.066	ug/kg
B-6 (10-11)	L1941309-11	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U		U	0.984	0.198	ug/kg
B-6 (10-11)	L1941309-11	PFOA/PFOS, TOTAL	9/30/2019		Y	N	U		U	0.984	0.041	ug/kg
B-6 (10-11)	L1941309-11	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	0.984	0.053	ug/kg
B-6 (10-11)	L1941309-11	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019		Y	N	U		U	0.984	0.041	ug/kg
B-6 (10-11)	L1941309-11	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U	UJ	UJ	0.984	0.060	ug/kg
B-6 (10-11)	L1941309-11	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	0.984	0.069	ug/kg
B-6 (10-11)	L1941309-11	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U	UJ	UJ	0.984	0.134	ug/kg
B-6 (10-11)	L1941309-11	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019		Y	N	U		U	0.984	0.128	ug/kg
B-6 (10-11)	L1941309-11	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	0.984	0.022	ug/kg
B-6 (10-11)	L1941309-11	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	0.984	0.038	ug/kg
B-6 (10-11)	L1941309-11	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	0.984	0.151	ug/kg
B-6 (10-11)	L1941309-11	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	0.984	0.046	ug/kg
B-6 (10-11)	L1941309-11	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	0.984	0.177	ug/kg
B-6 (1-2)	L1941309-13	PFOA/PFOS, TOTAL	9/30/2019	0.680	Y	Y	J		J	1.04	0.044	ug/kg
B-6 (1-2)	L1941309-13	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019	0.680	Y	Y	J		J	1.04	0.135	ug/kg
B-6 (1-2)	L1941309-13	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	1.04	0.056	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (1-2)	L1941309-13	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	1.04	0.073	ug/kg
B-6 (1-2)	L1941309-13	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U	UJ	UJ	1.04	0.142	ug/kg
B-6 (1-2)	L1941309-13	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U	UJ	UJ	1.04	0.063	ug/kg
B-6 (1-2)	L1941309-13	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	1.04	0.213	ug/kg
B-6 (1-2)	L1941309-13	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019		Y	N	U		U	1.04	0.044	ug/kg
B-6 (1-2)	L1941309-13	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019		Y	N	U	UJ	UJ	1.04	0.102	ug/kg
B-6 (1-2)	L1941309-13	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	U		U	1.04	0.055	ug/kg
B-6 (1-2)	L1941309-13	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	1.04	0.048	ug/kg
B-6 (1-2)	L1941309-13	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	1.04	0.078	ug/kg
B-6 (1-2)	L1941309-13	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	1.04	0.049	ug/kg
B-6 (1-2)	L1941309-13	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	1.04	0.187	ug/kg
B-6 (1-2)	L1941309-13	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	1.04	0.047	ug/kg
B-6 (1-2)	L1941309-13	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	1.04	0.298	ug/kg
B-6 (1-2)	L1941309-13	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U	UJ	UJ	1.04	0.210	ug/kg
B-6 (1-2)	L1941309-13	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	1.04	0.041	ug/kg
B-6 (1-2)	L1941309-13	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019		Y	N	U	UJ	UJ	1.04	0.088	ug/kg
B-6 (1-2)	L1941309-13	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	1.04	0.024	ug/kg
B-6 (1-2)	L1941309-13	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	1.04	0.159	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (1-2)	L1941309-13	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	1.04	0.070	ug/kg
B-6 (7-8)	L1941309-12	PERFLUOROOCTANESULFONAMIDE (FOSA)	10/2/2019	0.129	Y	Y	J	J	J	1.04	0.102	ug/kg
B-6 (7-8)	L1941309-12	PERFLUOROHEXANOIC ACID (PFHXA)	10/2/2019		Y	N	J	U	U	1.04	0.055	ug/kg
B-6 (7-8)	L1941309-12	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	10/2/2019	0.420	Y	Y	J	J	J	1.04	0.088	ug/kg
B-6 (7-8)	L1941309-12	PFOA/PFOS, TOTAL	10/2/2019	2.03	Y	Y	J		J	1.04	0.044	ug/kg
B-6 (7-8)	L1941309-12	PERFLUOROBUTANESULFONIC ACID (PFBS)	10/2/2019	0.053	Y	Y	J		J	1.04	0.041	ug/kg
B-6 (7-8)	L1941309-12	PERFLUOROOCTANOIC ACID (PFOA)	10/2/2019	0.081	Y	Y	J		J	1.04	0.044	ug/kg
B-6 (7-8)	L1941309-12	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	10/2/2019		Y	N	U		U	1.04	0.142	ug/kg
B-6 (7-8)	L1941309-12	PERFLUOROTRIDECANOIC ACID (PFTRDA)	10/2/2019		Y	N	U		U	1.04	0.214	ug/kg
B-6 (7-8)	L1941309-12	PERFLUORODECANOIC ACID (PFDA)	10/2/2019		Y	N	U		U	1.04	0.070	ug/kg
B-6 (7-8)	L1941309-12	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	10/2/2019		Y	N	U		U	1.04	0.187	ug/kg
B-6 (7-8)	L1941309-12	PERFLUOROUNDECANOIC ACID (PFUNA)	10/2/2019		Y	N	U		U	1.04	0.049	ug/kg
B-6 (7-8)	L1941309-12	PERFLUORODODECANOIC ACID (PFDOA)	10/2/2019		Y	N	U		U	1.04	0.073	ug/kg
B-6 (7-8)	L1941309-12	PERFLUORODECANESULFONIC ACID (PFDS)	10/2/2019		Y	N	U		U	1.04	0.160	ug/kg
B-6 (7-8)	L1941309-12	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	10/2/2019		Y	N	U	UJ	UJ	1.04	0.210	ug/kg
B-6 (7-8)	L1941309-12	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	10/2/2019		Y	N	U		U	1.04	0.300	ug/kg
B-6 (7-8)	L1941309-12	PERFLUOROBUTANOIC ACID (PFBA)	10/2/2019		Y	N	U		U	1.04	0.024	ug/kg
B-6 (7-8)	L1941309-12	PERFLUOROOCTANESULFONIC ACID (PFOS)	10/2/2019	1.95	Y	Y				1.04	0.136	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (7-8)	L1941309-12	PERFLUOROHEPTANOIC ACID (PFHPA)	10/2/2019		Y	N	U		U	1.04	0.047	ug/kg
B-6 (7-8)	L1941309-12	PERFLUOROHEXANESULFONIC ACID (PFHXS)	10/2/2019		Y	N	U		U	1.04	0.063	ug/kg
B-6 (7-8)	L1941309-12	PERFLUORONONANOIC ACID (PFNA)	10/2/2019		Y	N	U		U	1.04	0.078	ug/kg
B-6 (7-8)	L1941309-12	PERFLUOROPENTANOIC ACID (PFPEA)	10/2/2019		Y	N	U		U	1.04	0.048	ug/kg
B-6 (7-8)	L1941309-12	PERFLUOROTETRADECANOIC ACID (PFTA)	10/2/2019		Y	N	U		U	1.04	0.056	ug/kg
B-7 (1-2)	L1941309-03	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	1.16	0.054	ug/kg
B-7 (1-2)	L1941309-03	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	1.16	0.237	ug/kg
B-7 (1-2)	L1941309-03	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	1.16	0.063	ug/kg
B-7 (1-2)	L1941309-03	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019		Y	N	U		U	1.16	0.049	ug/kg
B-7 (1-2)	L1941309-03	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	1.16	0.087	ug/kg
B-7 (1-2)	L1941309-03	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	1.16	0.026	ug/kg
B-7 (1-2)	L1941309-03	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	1.16	0.333	ug/kg
B-7 (1-2)	L1941309-03	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	1.16	0.208	ug/kg
B-7 (1-2)	L1941309-03	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U		U	1.16	0.234	ug/kg
B-7 (1-2)	L1941309-03	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	1.16	0.053	ug/kg
B-7 (1-2)	L1941309-03	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019	0.280	Y	Y	J	J	J	1.16	0.114	ug/kg
B-7 (1-2)	L1941309-03	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U		U	1.16	0.070	ug/kg
B-7 (1-2)	L1941309-03	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	1.16	0.177	ug/kg
B-7 (1-2)	L1941309-03	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	1.16	0.078	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-7 (1-2)	L1941309-03	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	1.16	0.081	ug/kg
B-7 (1-2)	L1941309-03	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019	0.128	Y	Y	J		J	1.16	0.098	ug/kg
B-7 (1-2)	L1941309-03	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U		U	1.16	0.158	ug/kg
B-7 (1-2)	L1941309-03	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	1.16	0.052	ug/kg
B-7 (1-2)	L1941309-03	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	1.16	0.045	ug/kg
B-7 (1-2)	L1941309-03	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019	1.73	Y	Y				1.16	0.151	ug/kg
B-7 (1-2)	L1941309-03	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	U		U	1.16	0.061	ug/kg
B-7 (1-2)	L1941309-03	PFOA/PFOS, TOTAL	9/30/2019	1.73	Y	Y				1.16	0.049	ug/kg
FB	L1941309-19	PERFLUOROHEXANOIC ACID (PFHXA)	9/25/2019		Y	N	J	U	U	2.07	0.340	ng/l
FB	L1941309-19	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/25/2019		Y	N	U		U	2.07	0.602	ng/l
FB	L1941309-19	PERFLUORODECANOIC ACID (PFDA)	9/25/2019		Y	N	U		U	2.07	0.315	ng/l
FB	L1941309-19	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/25/2019		Y	N	U		U	2.07	1.26	ng/l
FB	L1941309-19	PFOA/PFOS, TOTAL	9/25/2019		Y	N	U		U	2.07	0.245	ng/l
FB	L1941309-19	PERFLUOROUNDECANOIC ACID (PFUNA)	9/25/2019		Y	N	U		U	2.07	0.270	ng/l
FB	L1941309-19	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/25/2019		Y	N	U		U	2.07	0.339	ng/l
FB	L1941309-19	PERFLUOROTETRADECANOIC ACID (PFTA)	9/25/2019		Y	N	U		U	2.07	0.257	ng/l
FB	L1941309-19	PERFLUOROPENTANOIC ACID (PFPEA)	9/25/2019		Y	N	U		U	2.07	0.411	ng/l
FB	L1941309-19	PERFLUOROOCTANOIC ACID (PFOA)	9/25/2019		Y	N	U		U	2.07	0.245	ng/l
FB	L1941309-19	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/25/2019		Y	N	U		U	2.07	0.523	ng/l

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB	L1941309-19	PERFLUORONONANOIC ACID (PFNA)	9/25/2019		Y	N	U		U	2.07	0.324	ng/l
FB	L1941309-19	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/25/2019		Y	N	U	UJ	UJ	2.07	0.390	ng/l
FB	L1941309-19	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/25/2019		Y	N	U		U	2.07	0.714	ng/l
FB	L1941309-19	PERFLUORODODECANOIC ACID (PFDOA)	9/25/2019		Y	N	U		U	2.07	0.386	ng/l
FB	L1941309-19	PERFLUORODECANESULFONIC ACID (PFDS)	9/25/2019		Y	N	U		U	2.07	1.02	ng/l
FB	L1941309-19	PERFLUOROBUTANOIC ACID (PFBA)	9/25/2019		Y	N	U		U	2.07	0.423	ng/l
FB	L1941309-19	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/25/2019		Y	N	U		U	2.07	0.247	ng/l
FB	L1941309-19	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/25/2019		Y	N	U		U	2.07	0.672	ng/l
FB	L1941309-19	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/25/2019		Y	N	U		U	2.07	0.834	ng/l
FB	L1941309-19	PERFLUOROHEPTANOIC ACID (PFHPA)	9/25/2019		Y	N	U		U	2.07	0.234	ng/l
FB	L1941309-19	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/25/2019		Y	N	U		U	2.07	1.38	ng/l

Analytical Method SW7471B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (10-11)	L1941309-08	MERCURY, TOTAL	9/16/2019		Y	N	U	UJ	UJ	0.066	0.043	mg/kg
B-1 (2-3)	L1941309-06	MERCURY, TOTAL	9/16/2019		Y	N	U	UJ	UJ	0.068	0.045	mg/kg
B-1 (5-6)	L1941309-07	MERCURY, TOTAL	9/16/2019		Y	N	U	UJ	UJ	0.067	0.043	mg/kg
B-10 (11-12)	L1941309-16	MERCURY, TOTAL	9/16/2019		Y	N	U	UJ	UJ	0.068	0.045	mg/kg
B-10 (2-3)	L1941309-14	MERCURY, TOTAL	9/16/2019		Y	N	U	UJ	UJ	0.070	0.046	mg/kg
B-10 (7-8)	L1941309-15	MERCURY, TOTAL	9/16/2019		Y	N	U	UJ	UJ	0.071	0.047	mg/kg
B-11 (0-1)	L1941309-10	MERCURY, TOTAL	9/16/2019	0.052	Y	Y	J	J	J	0.078	0.051	mg/kg

Analytical Method	SW7471B											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
B-11 (6-7)	L1941309-09	MERCURY, TOTAL	9/16/2019		Y	N	U	UJ	UJ	0.070	0.046	mg/kg
B-15 (3-4)	L1941309-17	MERCURY, TOTAL	9/16/2019		Y	N	U	UJ	UJ	0.069	0.045	mg/kg
B-15 (6-7)	L1941309-18	MERCURY, TOTAL	9/16/2019		Y	N	U	UJ	UJ	0.070	0.046	mg/kg
B-16 (3-4)	L1941309-04	MERCURY, TOTAL	9/16/2019	2.54	Y	Y		J	J	0.068	0.044	mg/kg
B-16 (7-8)	L1941309-05	MERCURY, TOTAL	9/16/2019	0.076	Y	Y		J	J	0.069	0.045	mg/kg
B-2 (3-4)	L1941309-01	MERCURY, TOTAL	9/16/2019		Y	N	U	UJ	UJ	0.067	0.043	mg/kg
B-2 (6-7)	L1941309-02	MERCURY, TOTAL	9/16/2019		Y	N	U	UJ	UJ	0.071	0.046	mg/kg
B-6 (10-11)	L1941309-11	MERCURY, TOTAL	9/16/2019		Y	N	U	UJ	UJ	0.069	0.045	mg/kg
B-6 (1-2)	L1941309-13	MERCURY, TOTAL	9/16/2019		Y	N	U	UJ	UJ	0.071	0.047	mg/kg
B-6 (7-8)	L1941309-12	MERCURY, TOTAL	9/16/2019		Y	N	U	UJ	UJ	0.069	0.045	mg/kg
B-7 (1-2)	L1941309-03	MERCURY, TOTAL	9/16/2019		Y	N	U	UJ	UJ	0.077	0.050	mg/kg

Analytical Method	SW8081B											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
B-1 (10-11)	L1941309-08	DIELDRIN	9/16/2019		Y	N	U		U	1.01	0.504	ug/kg
B-1 (10-11)	L1941309-08	TRANS-CHLORDANE	9/16/2019		Y	N	U		U	2.01	0.532	ug/kg
B-1 (10-11)	L1941309-08	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.672	0.320	ug/kg
B-1 (10-11)	L1941309-08	DELTA-BHC	9/16/2019		Y	N	U		U	1.61	0.316	ug/kg
B-1 (10-11)	L1941309-08	LINDANE	9/16/2019		Y	N	U		U	0.672	0.300	ug/kg
B-1 (10-11)	L1941309-08	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.61	0.538	ug/kg
B-1 (10-11)	L1941309-08	ENDRIN	9/16/2019		Y	N	U		U	0.672	0.275	ug/kg
B-1 (10-11)	L1941309-08	HEPTACHLOR	9/16/2019		Y	N	U		U	0.806	0.361	ug/kg
B-1 (10-11)	L1941309-08	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.01	0.705	ug/kg
B-1 (10-11)	L1941309-08	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.61	0.381	ug/kg
B-1 (10-11)	L1941309-08	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.61	0.415	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (10-11)	L1941309-08	METHOXYCHLOR	9/16/2019		Y	N	U		U	3.02	0.940	ug/kg
B-1 (10-11)	L1941309-08	TOXAPHENE	9/16/2019		Y	N	U		U	30.2	8.46	ug/kg
B-1 (10-11)	L1941309-08	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.02	0.906	ug/kg
B-1 (10-11)	L1941309-08	ALPHA-BHC	9/16/2019		Y	N	U		U	0.672	0.191	ug/kg
B-1 (10-11)	L1941309-08	CHLORDANE	9/16/2019		Y	N	U		U	13.1	5.34	ug/kg
B-1 (10-11)	L1941309-08	4,4'-DDE	9/16/2019		Y	N	U		U	1.61	0.373	ug/kg
B-1 (10-11)	L1941309-08	BETA-BHC	9/16/2019		Y	N	U		U	1.61	0.611	ug/kg
B-1 (10-11)	L1941309-08	ALDRIN	9/16/2019		Y	N	U		U	1.61	0.567	ug/kg
B-1 (10-11)	L1941309-08	CIS-CHLORDANE	9/16/2019		Y	N	U		U	2.01	0.561	ug/kg
B-1 (10-11)	L1941309-08	4,4'-DDT	9/16/2019		Y	N	U		U	3.02	1.30	ug/kg
B-1 (10-11)	L1941309-08	4,4'-DDD	9/16/2019		Y	N	U		U	1.61	0.575	ug/kg
B-1 (2-3)	L1941309-06	TOXAPHENE	9/16/2019		Y	N	U		U	30.9	8.66	ug/kg
B-1 (2-3)	L1941309-06	HEPTACHLOR	9/16/2019		Y	N	U		U	0.825	0.370	ug/kg
B-1 (2-3)	L1941309-06	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.09	0.928	ug/kg
B-1 (2-3)	L1941309-06	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.65	0.390	ug/kg
B-1 (2-3)	L1941309-06	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.687	0.327	ug/kg
B-1 (2-3)	L1941309-06	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.65	0.551	ug/kg
B-1 (2-3)	L1941309-06	DIELDRIN	9/16/2019		Y	N	U		U	1.03	0.515	ug/kg
B-1 (2-3)	L1941309-06	TRANS-CHLORDANE	9/16/2019		Y	N	U		U	2.06	0.544	ug/kg
B-1 (2-3)	L1941309-06	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.65	0.425	ug/kg
B-1 (2-3)	L1941309-06	DELTA-BHC	9/16/2019		Y	N	U		U	1.65	0.323	ug/kg
B-1 (2-3)	L1941309-06	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.06	0.722	ug/kg
B-1 (2-3)	L1941309-06	LINDANE	9/16/2019		Y	N	U		U	0.687	0.307	ug/kg
B-1 (2-3)	L1941309-06	ENDRIN	9/16/2019		Y	N	U		U	0.687	0.282	ug/kg
B-1 (2-3)	L1941309-06	METHOXYCHLOR	9/16/2019		Y	N	U		U	3.09	0.962	ug/kg

SDG: L1941309

Analytical Method	SW8081B											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (2-3)	L1941309-06	CIS-CHLORDANE	9/16/2019		Y	N	U		U	2.06	0.574	ug/kg
B-1 (2-3)	L1941309-06	CHLORDANE	9/16/2019		Y	N	U		U	13.4	5.46	ug/kg
B-1 (2-3)	L1941309-06	ALPHA-BHC	9/16/2019		Y	N	U		U	0.687	0.195	ug/kg
B-1 (2-3)	L1941309-06	BETA-BHC	9/16/2019		Y	N	U		U	1.65	0.625	ug/kg
B-1 (2-3)	L1941309-06	ALDRIN	9/16/2019		Y	N	U		U	1.65	0.581	ug/kg
B-1 (2-3)	L1941309-06	4,4'-DDE	9/16/2019		Y	N	U		U	1.65	0.381	ug/kg
B-1 (2-3)	L1941309-06	4,4'-DDT	9/16/2019		Y	N	U		U	3.09	1.33	ug/kg
B-1 (2-3)	L1941309-06	4,4'-DDD	9/16/2019		Y	N	U		U	1.65	0.588	ug/kg
B-1 (5-6)	L1941309-07	DIELDRIN	9/16/2019		Y	N	U		U	1.01	0.505	ug/kg
B-1 (5-6)	L1941309-07	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.02	0.708	ug/kg
B-1 (5-6)	L1941309-07	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.62	0.540	ug/kg
B-1 (5-6)	L1941309-07	LINDANE	9/16/2019		Y	N	U		U	0.674	0.301	ug/kg
B-1 (5-6)	L1941309-07	TRANS-CHLORDANE	9/16/2019		Y	N	U		U	2.02	0.534	ug/kg
B-1 (5-6)	L1941309-07	HEPTACHLOR	9/16/2019		Y	N	U		U	0.809	0.362	ug/kg
B-1 (5-6)	L1941309-07	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.03	0.910	ug/kg
B-1 (5-6)	L1941309-07	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.674	0.321	ug/kg
B-1 (5-6)	L1941309-07	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.62	0.416	ug/kg
B-1 (5-6)	L1941309-07	DELTA-BHC	9/16/2019		Y	N	U		U	1.62	0.317	ug/kg
B-1 (5-6)	L1941309-07	TOXAPHENE	9/16/2019		Y	N	U		U	30.3	8.49	ug/kg
B-1 (5-6)	L1941309-07	METHOXYCHLOR	9/16/2019		Y	N	U		U	3.03	0.943	ug/kg
B-1 (5-6)	L1941309-07	ENDRIN	9/16/2019		Y	N	U		U	0.674	0.276	ug/kg
B-1 (5-6)	L1941309-07	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.62	0.382	ug/kg
B-1 (5-6)	L1941309-07	CIS-CHLORDANE	9/16/2019		Y	N	U		U	2.02	0.563	ug/kg
B-1 (5-6)	L1941309-07	ALDRIN	9/16/2019		Y	N	U		U	1.62	0.569	ug/kg
B-1 (5-6)	L1941309-07	4,4'-DDE	9/16/2019		Y	N	U		U	1.62	0.374	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (5-6)	L1941309-07	BETA-BHC	9/16/2019		Y	N	U		U	1.62	0.613	ug/kg
B-1 (5-6)	L1941309-07	4,4'-DDD	9/16/2019		Y	N	U		U	1.62	0.577	ug/kg
B-1 (5-6)	L1941309-07	CHLORDANE	9/16/2019		Y	N	U		U	13.1	5.36	ug/kg
B-1 (5-6)	L1941309-07	4,4'-DDT	9/16/2019		Y	N	U		U	3.03	1.30	ug/kg
B-1 (5-6)	L1941309-07	ALPHA-BHC	9/16/2019		Y	N	U		U	0.674	0.191	ug/kg
B-10 (11-12)	L1941309-16	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.65	0.389	ug/kg
B-10 (11-12)	L1941309-16	METHOXYCHLOR	9/16/2019		Y	N	U		U	3.09	0.962	ug/kg
B-10 (11-12)	L1941309-16	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.09	0.927	ug/kg
B-10 (11-12)	L1941309-16	HEPTACHLOR	9/16/2019		Y	N	U		U	0.824	0.370	ug/kg
B-10 (11-12)	L1941309-16	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.65	0.551	ug/kg
B-10 (11-12)	L1941309-16	TRANS-CHLORDANE	9/16/2019		Y	N	U		U	2.06	0.544	ug/kg
B-10 (11-12)	L1941309-16	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.687	0.327	ug/kg
B-10 (11-12)	L1941309-16	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.06	0.721	ug/kg
B-10 (11-12)	L1941309-16	LINDANE	9/16/2019		Y	N	U		U	0.687	0.307	ug/kg
B-10 (11-12)	L1941309-16	TOXAPHENE	9/16/2019		Y	N	U		U	30.9	8.65	ug/kg
B-10 (11-12)	L1941309-16	DIELDRIN	9/16/2019		Y	N	U		U	1.03	0.515	ug/kg
B-10 (11-12)	L1941309-16	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.65	0.424	ug/kg
B-10 (11-12)	L1941309-16	ENDRIN	9/16/2019		Y	N	U		U	0.687	0.282	ug/kg
B-10 (11-12)	L1941309-16	4,4'-DDT	9/16/2019		Y	N	U		U	3.09	1.32	ug/kg
B-10 (11-12)	L1941309-16	DELTA-BHC	9/16/2019		Y	N	U		U	1.65	0.323	ug/kg
B-10 (11-12)	L1941309-16	4,4'-DDD	9/16/2019		Y	N	U		U	1.65	0.588	ug/kg
B-10 (11-12)	L1941309-16	BETA-BHC	9/16/2019		Y	N	U		U	1.65	0.625	ug/kg
B-10 (11-12)	L1941309-16	CIS-CHLORDANE	9/16/2019		Y	N	U		U	2.06	0.574	ug/kg
B-10 (11-12)	L1941309-16	ALPHA-BHC	9/16/2019		Y	N	U		U	0.687	0.195	ug/kg
B-10 (11-12)	L1941309-16	CHLORDANE	9/16/2019		Y	N	U		U	13.4	5.46	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (11-12)	L1941309-16	ALDRIN	9/16/2019		Y	N	U		U	1.65	0.580	ug/kg
B-10 (11-12)	L1941309-16	4,4'-DDE	9/16/2019		Y	N	U		U	1.65	0.381	ug/kg
B-10 (2-3)	L1941309-14	TRANS-CHLORDANE	9/17/2019	3.46	Y	Y	IP	J	J	2.16	0.570	ug/kg
B-10 (2-3)	L1941309-14	HEPTACHLOR EPOXIDE	9/17/2019		Y	N	U		U	3.24	0.972	ug/kg
B-10 (2-3)	L1941309-14	HEPTACHLOR	9/17/2019		Y	N	U		U	0.864	0.388	ug/kg
B-10 (2-3)	L1941309-14	ENDOSULFAN II	9/17/2019		Y	N	U		U	1.73	0.578	ug/kg
B-10 (2-3)	L1941309-14	ENDRIN	9/17/2019		Y	N	U		U	0.720	0.295	ug/kg
B-10 (2-3)	L1941309-14	ENDOSULFAN I	9/17/2019		Y	N	U		U	1.73	0.408	ug/kg
B-10 (2-3)	L1941309-14	CHLORDANE	9/17/2019	39.2	Y	Y	P	J	J	14.0	5.73	ug/kg
B-10 (2-3)	L1941309-14	CIS-CHLORDANE	9/17/2019	3.23	Y	Y	IP	J	J	2.16	0.602	ug/kg
B-10 (2-3)	L1941309-14	DIELDRIN	9/17/2019	1.68	Y	Y	IP	J	J	1.08	0.540	ug/kg
B-10 (2-3)	L1941309-14	LINDANE	9/17/2019		Y	N	U		U	0.720	0.322	ug/kg
B-10 (2-3)	L1941309-14	ENDRIN ALDEHYDE	9/17/2019		Y	N	U		U	2.16	0.756	ug/kg
B-10 (2-3)	L1941309-14	TOXAPHENE	9/17/2019		Y	N	U		U	32.4	9.08	ug/kg
B-10 (2-3)	L1941309-14	METHOXYCHLOR	9/17/2019	2.11	Y	Y	JIP	J	J	3.24	1.01	ug/kg
B-10 (2-3)	L1941309-14	ENDOSULFAN SULFATE	9/17/2019		Y	N	U		U	0.720	0.343	ug/kg
B-10 (2-3)	L1941309-14	ENDRIN KETONE	9/17/2019		Y	N	U		U	1.73	0.445	ug/kg
B-10 (2-3)	L1941309-14	4,4'-DDE	9/17/2019	3.92	Y	Y				1.73	0.400	ug/kg
B-10 (2-3)	L1941309-14	ALPHA-BHC	9/17/2019		Y	N	U		U	0.720	0.205	ug/kg
B-10 (2-3)	L1941309-14	DELTA-BHC	9/17/2019		Y	N	U		U	1.73	0.339	ug/kg
B-10 (2-3)	L1941309-14	4,4'-DDT	9/17/2019	9.10	Y	Y				3.24	1.39	ug/kg
B-10 (2-3)	L1941309-14	ALDRIN	9/17/2019		Y	N	U		U	1.73	0.609	ug/kg
B-10 (2-3)	L1941309-14	BETA-BHC	9/17/2019		Y	N	U		U	1.73	0.656	ug/kg
B-10 (2-3)	L1941309-14	4,4'-DDD	9/17/2019	2.86	Y	Y				1.73	0.617	ug/kg
B-10 (7-8)	L1941309-15	TOXAPHENE	9/16/2019		Y	N	U		U	32.3	9.04	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (7-8)	L1941309-15	HEPTACHLOR	9/16/2019		Y	N	U		U	0.861	0.386	ug/kg
B-10 (7-8)	L1941309-15	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.72	0.576	ug/kg
B-10 (7-8)	L1941309-15	LINDANE	9/16/2019		Y	N	U		U	0.718	0.321	ug/kg
B-10 (7-8)	L1941309-15	ENDRIN	9/16/2019		Y	N	U		U	0.718	0.294	ug/kg
B-10 (7-8)	L1941309-15	DIELDRIN	9/16/2019	3.86	Y	Y	IP	J	J	1.08	0.538	ug/kg
B-10 (7-8)	L1941309-15	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.718	0.342	ug/kg
B-10 (7-8)	L1941309-15	TRANS-CHLORDANE	9/16/2019	3.94	Y	Y	IP	J	J	2.15	0.568	ug/kg
B-10 (7-8)	L1941309-15	METHOXYCHLOR	9/16/2019	4.65	Y	Y	IP	J	J	3.23	1.00	ug/kg
B-10 (7-8)	L1941309-15	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.23	0.969	ug/kg
B-10 (7-8)	L1941309-15	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.72	0.444	ug/kg
B-10 (7-8)	L1941309-15	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.15	0.754	ug/kg
B-10 (7-8)	L1941309-15	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.72	0.407	ug/kg
B-10 (7-8)	L1941309-15	ALPHA-BHC	9/16/2019		Y	N	U		U	0.718	0.204	ug/kg
B-10 (7-8)	L1941309-15	4,4'-DDD	9/16/2019	7.50	Y	Y				1.72	0.614	ug/kg
B-10 (7-8)	L1941309-15	ALDRIN	9/16/2019		Y	N	U		U	1.72	0.606	ug/kg
B-10 (7-8)	L1941309-15	4,4'-DDE	9/16/2019	9.62	Y	Y				1.72	0.398	ug/kg
B-10 (7-8)	L1941309-15	CIS-CHLORDANE	9/16/2019	5.37	Y	Y				2.15	0.600	ug/kg
B-10 (7-8)	L1941309-15	DELTA-BHC	9/16/2019		Y	N	U		U	1.72	0.337	ug/kg
B-10 (7-8)	L1941309-15	BETA-BHC	9/16/2019		Y	N	U		U	1.72	0.653	ug/kg
B-10 (7-8)	L1941309-15	4,4'-DDT	9/16/2019	30.7	Y	Y				3.23	1.38	ug/kg
B-10 (7-8)	L1941309-15	CHLORDANE	9/16/2019		Y	N	U		U	14.0	5.71	ug/kg
B-11 (0-1)	L1941309-10	DIELDRIN	9/16/2019		Y	N	U		U	1.18	0.588	ug/kg
B-11 (0-1)	L1941309-10	ENDRIN	9/16/2019		Y	N	U		U	0.784	0.321	ug/kg
B-11 (0-1)	L1941309-10	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.88	0.629	ug/kg
B-11 (0-1)	L1941309-10	LINDANE	9/16/2019		Y	N	U		U	0.784	0.350	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (0-1)	L1941309-10	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.88	0.444	ug/kg
B-11 (0-1)	L1941309-10	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.53	1.06	ug/kg
B-11 (0-1)	L1941309-10	METHOXYCHLOR	9/16/2019		Y	N	U		U	3.53	1.10	ug/kg
B-11 (0-1)	L1941309-10	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.784	0.373	ug/kg
B-11 (0-1)	L1941309-10	TRANS-CHLORDANE	9/16/2019		Y	N	U		U	2.35	0.621	ug/kg
B-11 (0-1)	L1941309-10	HEPTACHLOR	9/16/2019		Y	N	U		U	0.941	0.422	ug/kg
B-11 (0-1)	L1941309-10	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.88	0.484	ug/kg
B-11 (0-1)	L1941309-10	DELTA-BHC	9/16/2019		Y	N	U		U	1.88	0.368	ug/kg
B-11 (0-1)	L1941309-10	TOXAPHENE	9/16/2019		Y	N	U		U	35.3	9.88	ug/kg
B-11 (0-1)	L1941309-10	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.35	0.823	ug/kg
B-11 (0-1)	L1941309-10	4,4'-DDD	9/16/2019		Y	N	U		U	1.88	0.671	ug/kg
B-11 (0-1)	L1941309-10	ALDRIN	9/16/2019		Y	N	U		U	1.88	0.662	ug/kg
B-11 (0-1)	L1941309-10	4,4'-DDE	9/16/2019		Y	N	U		U	1.88	0.435	ug/kg
B-11 (0-1)	L1941309-10	CHLORDANE	9/16/2019		Y	N	U		U	15.3	6.23	ug/kg
B-11 (0-1)	L1941309-10	4,4'-DDT	9/16/2019		Y	N	U		U	3.53	1.51	ug/kg
B-11 (0-1)	L1941309-10	CIS-CHLORDANE	9/16/2019		Y	N	U		U	2.35	0.655	ug/kg
B-11 (0-1)	L1941309-10	ALPHA-BHC	9/16/2019		Y	N	U		U	0.784	0.223	ug/kg
B-11 (0-1)	L1941309-10	BETA-BHC	9/16/2019		Y	N	U		U	1.88	0.713	ug/kg
B-11 (6-7)	L1941309-09	HEPTACHLOR	9/16/2019		Y	N	U		U	0.836	0.375	ug/kg
B-11 (6-7)	L1941309-09	ENDRIN	9/16/2019		Y	N	U		U	0.696	0.286	ug/kg
B-11 (6-7)	L1941309-09	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.09	0.731	ug/kg
B-11 (6-7)	L1941309-09	DIELDRIN	9/16/2019		Y	N	U		U	1.04	0.522	ug/kg
B-11 (6-7)	L1941309-09	DELTA-BHC	9/16/2019		Y	N	U		U	1.67	0.327	ug/kg
B-11 (6-7)	L1941309-09	METHOXYCHLOR	9/16/2019		Y	N	U		U	3.13	0.975	ug/kg
B-11 (6-7)	L1941309-09	LINDANE	9/16/2019		Y	N	U		U	0.696	0.311	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (6-7)	L1941309-09	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.67	0.395	ug/kg
B-11 (6-7)	L1941309-09	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.696	0.331	ug/kg
B-11 (6-7)	L1941309-09	TRANS-CHLORDANE	9/16/2019		Y	N	U		U	2.09	0.552	ug/kg
B-11 (6-7)	L1941309-09	TOXAPHENE	9/16/2019		Y	N	U		U	31.3	8.77	ug/kg
B-11 (6-7)	L1941309-09	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.13	0.940	ug/kg
B-11 (6-7)	L1941309-09	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.67	0.558	ug/kg
B-11 (6-7)	L1941309-09	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.67	0.430	ug/kg
B-11 (6-7)	L1941309-09	ALPHA-BHC	9/16/2019		Y	N	U		U	0.696	0.198	ug/kg
B-11 (6-7)	L1941309-09	4,4'-DDE	9/16/2019		Y	N	U		U	1.67	0.386	ug/kg
B-11 (6-7)	L1941309-09	CHLORDANE	9/16/2019		Y	N	U		U	13.6	5.54	ug/kg
B-11 (6-7)	L1941309-09	CIS-CHLORDANE	9/16/2019		Y	N	U		U	2.09	0.582	ug/kg
B-11 (6-7)	L1941309-09	ALDRIN	9/16/2019		Y	N	U		U	1.67	0.588	ug/kg
B-11 (6-7)	L1941309-09	4,4'-DDT	9/16/2019		Y	N	U		U	3.13	1.34	ug/kg
B-11 (6-7)	L1941309-09	4,4'-DDD	9/16/2019		Y	N	U		U	1.67	0.596	ug/kg
B-11 (6-7)	L1941309-09	BETA-BHC	9/16/2019		Y	N	U		U	1.67	0.634	ug/kg
B-15 (3-4)	L1941309-17	DIELDRIN	9/16/2019	1.13	Y	Y	IP	J	J	1.06	0.529	ug/kg
B-15 (3-4)	L1941309-17	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.12	0.741	ug/kg
B-15 (3-4)	L1941309-17	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.69	0.400	ug/kg
B-15 (3-4)	L1941309-17	METHOXYCHLOR	9/16/2019	0.994	Y	Y	JIP	J	J	3.17	0.988	ug/kg
B-15 (3-4)	L1941309-17	TOXAPHENE	9/16/2019		Y	N	U		U	31.7	8.89	ug/kg
B-15 (3-4)	L1941309-17	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.69	0.436	ug/kg
B-15 (3-4)	L1941309-17	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.69	0.566	ug/kg
B-15 (3-4)	L1941309-17	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.17	0.952	ug/kg
B-15 (3-4)	L1941309-17	LINDANE	9/16/2019		Y	N	U		U	0.705	0.315	ug/kg
B-15 (3-4)	L1941309-17	TRANS-CHLORDANE	9/16/2019	25.7	Y	Y	IP	J	J	2.12	0.559	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (3-4)	L1941309-17	CIS-CHLORDANE	9/16/2019	22.8	Y	Y	IP	J	J	2.12	0.590	ug/kg
B-15 (3-4)	L1941309-17	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.705	0.336	ug/kg
B-15 (3-4)	L1941309-17	ENDRIN	9/16/2019		Y	N	U		U	0.705	0.289	ug/kg
B-15 (3-4)	L1941309-17	HEPTACHLOR	9/16/2019		Y	N	U		U	0.846	0.380	ug/kg
B-15 (3-4)	L1941309-17	DELTA-BHC	9/16/2019		Y	N	U		U	1.69	0.332	ug/kg
B-15 (3-4)	L1941309-17	ALDRIN	9/16/2019		Y	N	U		U	1.69	0.596	ug/kg
B-15 (3-4)	L1941309-17	ALPHA-BHC	9/16/2019		Y	N	U		U	0.705	0.200	ug/kg
B-15 (3-4)	L1941309-17	4,4'-DDD	9/16/2019	1.86	Y	Y				1.69	0.604	ug/kg
B-15 (3-4)	L1941309-17	BETA-BHC	9/16/2019		Y	N	U		U	1.69	0.642	ug/kg
B-15 (3-4)	L1941309-17	CHLORDANE	9/16/2019	249	Y	Y				13.8	5.61	ug/kg
B-15 (3-4)	L1941309-17	4,4'-DDE	9/16/2019	5.24	Y	Y				1.69	0.392	ug/kg
B-15 (3-4)	L1941309-17	4,4'-DDT	9/16/2019	5.50	Y	Y				3.17	1.36	ug/kg
B-15 (6-7)	L1941309-18	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.15	0.753	ug/kg
B-15 (6-7)	L1941309-18	TOXAPHENE	9/16/2019		Y	N	U		U	32.3	9.03	ug/kg
B-15 (6-7)	L1941309-18	TRANS-CHLORDANE	9/16/2019	5.15	Y	Y	IP	J	J	2.15	0.568	ug/kg
B-15 (6-7)	L1941309-18	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.717	0.341	ug/kg
B-15 (6-7)	L1941309-18	LINDANE	9/16/2019		Y	N	U		U	0.717	0.320	ug/kg
B-15 (6-7)	L1941309-18	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.23	0.968	ug/kg
B-15 (6-7)	L1941309-18	HEPTACHLOR	9/16/2019		Y	N	U		U	0.860	0.386	ug/kg
B-15 (6-7)	L1941309-18	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.72	0.575	ug/kg
B-15 (6-7)	L1941309-18	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.72	0.406	ug/kg
B-15 (6-7)	L1941309-18	ENDRIN	9/16/2019		Y	N	U		U	0.717	0.294	ug/kg
B-15 (6-7)	L1941309-18	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.72	0.443	ug/kg
B-15 (6-7)	L1941309-18	CIS-CHLORDANE	9/16/2019	7.65	Y	Y				2.15	0.599	ug/kg
B-15 (6-7)	L1941309-18	DIELDRIN	9/16/2019	12.2	Y	Y				1.08	0.538	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (6-7)	L1941309-18	CHLORDANE	9/16/2019	50.0	Y	Y				14.0	5.70	ug/kg
B-15 (6-7)	L1941309-18	ALPHA-BHC	9/16/2019		Y	N	U		U	0.717	0.204	ug/kg
B-15 (6-7)	L1941309-18	4,4'-DDD	9/16/2019	10.2	Y	Y				1.72	0.614	ug/kg
B-15 (6-7)	L1941309-18	4,4'-DDT	9/16/2019	32.7	Y	Y				3.23	1.38	ug/kg
B-15 (6-7)	L1941309-18	METHOXYCHLOR	9/16/2019	3.75	Y	Y				3.23	1.00	ug/kg
B-15 (6-7)	L1941309-18	ALDRIN	9/16/2019		Y	N	U		U	1.72	0.606	ug/kg
B-15 (6-7)	L1941309-18	4,4'-DDE	9/16/2019	16.2	Y	Y				1.72	0.398	ug/kg
B-15 (6-7)	L1941309-18	BETA-BHC	9/16/2019		Y	N	U		U	1.72	0.652	ug/kg
B-15 (6-7)	L1941309-18	DELTA-BHC	9/16/2019		Y	N	U		U	1.72	0.337	ug/kg
B-16 (3-4)	L1941309-04	METHOXYCHLOR	9/16/2019		Y	N	U		U	3.05	0.949	ug/kg
B-16 (3-4)	L1941309-04	TOXAPHENE	9/16/2019		Y	N	U		U	30.5	8.54	ug/kg
B-16 (3-4)	L1941309-04	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.05	0.915	ug/kg
B-16 (3-4)	L1941309-04	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.63	0.384	ug/kg
B-16 (3-4)	L1941309-04	DIELDRIN	9/16/2019		Y	N	U		U	1.02	0.508	ug/kg
B-16 (3-4)	L1941309-04	ENDRIN	9/16/2019		Y	N	U		U	0.678	0.278	ug/kg
B-16 (3-4)	L1941309-04	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.63	0.419	ug/kg
B-16 (3-4)	L1941309-04	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.03	0.712	ug/kg
B-16 (3-4)	L1941309-04	HEPTACHLOR	9/16/2019		Y	N	U		U	0.813	0.365	ug/kg
B-16 (3-4)	L1941309-04	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.678	0.323	ug/kg
B-16 (3-4)	L1941309-04	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.63	0.544	ug/kg
B-16 (3-4)	L1941309-04	TRANS-CHLORDANE	9/16/2019		Y	N	U		U	2.03	0.537	ug/kg
B-16 (3-4)	L1941309-04	LINDANE	9/16/2019		Y	N	U		U	0.678	0.303	ug/kg
B-16 (3-4)	L1941309-04	ALDRIN	9/16/2019		Y	N	U		U	1.63	0.573	ug/kg
B-16 (3-4)	L1941309-04	DELTA-BHC	9/16/2019		Y	N	U		U	1.63	0.318	ug/kg
B-16 (3-4)	L1941309-04	ALPHA-BHC	9/16/2019		Y	N	U		U	0.678	0.192	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (3-4)	L1941309-04	BETA-BHC	9/16/2019		Y	N	U		U	1.63	0.617	ug/kg
B-16 (3-4)	L1941309-04	4,4'-DDE	9/16/2019		Y	N	U		U	1.63	0.376	ug/kg
B-16 (3-4)	L1941309-04	4,4'-DDT	9/16/2019		Y	N	U		U	3.05	1.31	ug/kg
B-16 (3-4)	L1941309-04	CHLORDANE	9/16/2019		Y	N	U		U	13.2	5.39	ug/kg
B-16 (3-4)	L1941309-04	CIS-CHLORDANE	9/16/2019		Y	N	U		U	2.03	0.566	ug/kg
B-16 (3-4)	L1941309-04	4,4'-DDD	9/16/2019		Y	N	U		U	1.63	0.580	ug/kg
B-16 (7-8)	L1941309-05	ENDOSULFAN SULFATE	9/15/2019		Y	N	U		U	0.695	0.331	ug/kg
B-16 (7-8)	L1941309-05	ENDOSULFAN II	9/15/2019		Y	N	U		U	1.67	0.558	ug/kg
B-16 (7-8)	L1941309-05	DIELDRIN	9/15/2019		Y	N	U		U	1.04	0.522	ug/kg
B-16 (7-8)	L1941309-05	LINDANE	9/15/2019		Y	N	U		U	0.695	0.311	ug/kg
B-16 (7-8)	L1941309-05	ENDRIN ALDEHYDE	9/15/2019		Y	N	U		U	2.09	0.730	ug/kg
B-16 (7-8)	L1941309-05	ENDRIN KETONE	9/15/2019		Y	N	U		U	1.67	0.430	ug/kg
B-16 (7-8)	L1941309-05	HEPTACHLOR EPOXIDE	9/15/2019		Y	N	U		U	3.13	0.939	ug/kg
B-16 (7-8)	L1941309-05	METHOXYCHLOR	9/15/2019		Y	N	U	UJ	UJ	3.13	0.973	ug/kg
B-16 (7-8)	L1941309-05	ENDRIN	9/15/2019		Y	N	U		U	0.695	0.285	ug/kg
B-16 (7-8)	L1941309-05	ENDOSULFAN I	9/15/2019		Y	N	U		U	1.67	0.394	ug/kg
B-16 (7-8)	L1941309-05	TOXAPHENE	9/15/2019		Y	N	U		U	31.3	8.76	ug/kg
B-16 (7-8)	L1941309-05	HEPTACHLOR	9/15/2019		Y	N	U		U	0.834	0.374	ug/kg
B-16 (7-8)	L1941309-05	TRANS-CHLORDANE	9/15/2019		Y	N	U		U	2.09	0.551	ug/kg
B-16 (7-8)	L1941309-05	CIS-CHLORDANE	9/15/2019		Y	N	U		U	2.09	0.581	ug/kg
B-16 (7-8)	L1941309-05	4,4'-DDE	9/15/2019		Y	N	U		U	1.67	0.386	ug/kg
B-16 (7-8)	L1941309-05	4,4'-DDT	9/15/2019		Y	N	U		U	3.13	1.34	ug/kg
B-16 (7-8)	L1941309-05	BETA-BHC	9/15/2019		Y	N	U		U	1.67	0.633	ug/kg
B-16 (7-8)	L1941309-05	ALPHA-BHC	9/15/2019		Y	N	U		U	0.695	0.197	ug/kg
B-16 (7-8)	L1941309-05	DELTA-BHC	9/15/2019		Y	N	U		U	1.67	0.327	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (7-8)	L1941309-05	4,4'-DDD	9/15/2019		Y	N	U		U	1.67	0.595	ug/kg
B-16 (7-8)	L1941309-05	ALDRIN	9/15/2019		Y	N	U		U	1.67	0.588	ug/kg
B-16 (7-8)	L1941309-05	CHLORDANE	9/15/2019		Y	N	U		U	13.6	5.53	ug/kg
B-2 (3-4)	L1941309-01	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.62	0.382	ug/kg
B-2 (3-4)	L1941309-01	TRANS-CHLORDANE	9/16/2019		Y	N	U		U	2.02	0.534	ug/kg
B-2 (3-4)	L1941309-01	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.02	0.708	ug/kg
B-2 (3-4)	L1941309-01	TOXAPHENE	9/16/2019		Y	N	U		U	30.3	8.49	ug/kg
B-2 (3-4)	L1941309-01	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.674	0.321	ug/kg
B-2 (3-4)	L1941309-01	ENDRIN	9/16/2019		Y	N	U		U	0.674	0.276	ug/kg
B-2 (3-4)	L1941309-01	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.62	0.540	ug/kg
B-2 (3-4)	L1941309-01	HEPTACHLOR	9/16/2019		Y	N	U		U	0.809	0.363	ug/kg
B-2 (3-4)	L1941309-01	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.03	0.910	ug/kg
B-2 (3-4)	L1941309-01	DIELDRIN	9/16/2019		Y	N	U		U	1.01	0.505	ug/kg
B-2 (3-4)	L1941309-01	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.62	0.416	ug/kg
B-2 (3-4)	L1941309-01	METHOXYCHLOR	9/16/2019		Y	N	U		U	3.03	0.944	ug/kg
B-2 (3-4)	L1941309-01	LINDANE	9/16/2019		Y	N	U		U	0.674	0.301	ug/kg
B-2 (3-4)	L1941309-01	DELTA-BHC	9/16/2019		Y	N	U		U	1.62	0.317	ug/kg
B-2 (3-4)	L1941309-01	ALPHA-BHC	9/16/2019		Y	N	U		U	0.674	0.191	ug/kg
B-2 (3-4)	L1941309-01	CIS-CHLORDANE	9/16/2019		Y	N	U		U	2.02	0.563	ug/kg
B-2 (3-4)	L1941309-01	4,4'-DDD	9/16/2019		Y	N	U		U	1.62	0.577	ug/kg
B-2 (3-4)	L1941309-01	CHLORDANE	9/16/2019		Y	N	U		U	13.1	5.36	ug/kg
B-2 (3-4)	L1941309-01	4,4'-DDE	9/16/2019		Y	N	U		U	1.62	0.374	ug/kg
B-2 (3-4)	L1941309-01	BETA-BHC	9/16/2019		Y	N	U		U	1.62	0.613	ug/kg
B-2 (3-4)	L1941309-01	ALDRIN	9/16/2019		Y	N	U		U	1.62	0.570	ug/kg
B-2 (3-4)	L1941309-01	4,4'-DDT	9/16/2019		Y	N	U		U	3.03	1.30	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-2 (6-7)	L1941309-02	HEPTACHLOR	9/16/2019		Y	N	U		U	0.869	0.389	ug/kg
B-2 (6-7)	L1941309-02	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.74	0.410	ug/kg
B-2 (6-7)	L1941309-02	TOXAPHENE	9/16/2019		Y	N	U		U	32.6	9.12	ug/kg
B-2 (6-7)	L1941309-02	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.26	0.977	ug/kg
B-2 (6-7)	L1941309-02	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.17	0.760	ug/kg
B-2 (6-7)	L1941309-02	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.724	0.344	ug/kg
B-2 (6-7)	L1941309-02	LINDANE	9/16/2019		Y	N	U		U	0.724	0.324	ug/kg
B-2 (6-7)	L1941309-02	DIELDRIN	9/16/2019		Y	N	U		U	1.08	0.543	ug/kg
B-2 (6-7)	L1941309-02	METHOXYCHLOR	9/16/2019		Y	N	U		U	3.26	1.01	ug/kg
B-2 (6-7)	L1941309-02	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.74	0.580	ug/kg
B-2 (6-7)	L1941309-02	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.74	0.447	ug/kg
B-2 (6-7)	L1941309-02	TRANS-CHLORDANE	9/16/2019		Y	N	U		U	2.17	0.573	ug/kg
B-2 (6-7)	L1941309-02	ENDRIN	9/16/2019		Y	N	U		U	0.724	0.297	ug/kg
B-2 (6-7)	L1941309-02	ALPHA-BHC	9/16/2019		Y	N	U		U	0.724	0.206	ug/kg
B-2 (6-7)	L1941309-02	CIS-CHLORDANE	9/16/2019		Y	N	U		U	2.17	0.605	ug/kg
B-2 (6-7)	L1941309-02	ALDRIN	9/16/2019		Y	N	U		U	1.74	0.612	ug/kg
B-2 (6-7)	L1941309-02	4,4'-DDE	9/16/2019		Y	N	U		U	1.74	0.402	ug/kg
B-2 (6-7)	L1941309-02	CHLORDANE	9/16/2019		Y	N	U		U	14.1	5.76	ug/kg
B-2 (6-7)	L1941309-02	BETA-BHC	9/16/2019		Y	N	U		U	1.74	0.659	ug/kg
B-2 (6-7)	L1941309-02	4,4'-DDD	9/16/2019		Y	N	U		U	1.74	0.620	ug/kg
B-2 (6-7)	L1941309-02	4,4'-DDT	9/16/2019		Y	N	U		U	3.26	1.40	ug/kg
B-2 (6-7)	L1941309-02	DELTA-BHC	9/16/2019		Y	N	U		U	1.74	0.340	ug/kg
B-6 (10-11)	L1941309-11	DIELDRIN	9/16/2019		Y	N	U		U	1.06	0.530	ug/kg
B-6 (10-11)	L1941309-11	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.12	0.743	ug/kg
B-6 (10-11)	L1941309-11	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.70	0.437	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (10-11)	L1941309-11	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.70	0.567	ug/kg
B-6 (10-11)	L1941309-11	ENDRIN	9/16/2019		Y	N	U		U	0.707	0.290	ug/kg
B-6 (10-11)	L1941309-11	TOXAPHENE	9/16/2019		Y	N	U		U	31.8	8.91	ug/kg
B-6 (10-11)	L1941309-11	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.70	0.401	ug/kg
B-6 (10-11)	L1941309-11	HEPTACHLOR	9/16/2019		Y	N	U		U	0.849	0.381	ug/kg
B-6 (10-11)	L1941309-11	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.707	0.337	ug/kg
B-6 (10-11)	L1941309-11	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.18	0.955	ug/kg
B-6 (10-11)	L1941309-11	LINDANE	9/16/2019		Y	N	U		U	0.707	0.316	ug/kg
B-6 (10-11)	L1941309-11	DELTA-BHC	9/16/2019		Y	N	U		U	1.70	0.332	ug/kg
B-6 (10-11)	L1941309-11	METHOXYCHLOR	9/16/2019		Y	N	U		U	3.18	0.990	ug/kg
B-6 (10-11)	L1941309-11	TRANS-CHLORDANE	9/16/2019		Y	N	U		U	2.12	0.560	ug/kg
B-6 (10-11)	L1941309-11	CHLORDANE	9/16/2019		Y	N	U		U	13.8	5.62	ug/kg
B-6 (10-11)	L1941309-11	4,4'-DDD	9/16/2019		Y	N	U		U	1.70	0.606	ug/kg
B-6 (10-11)	L1941309-11	4,4'-DDE	9/16/2019		Y	N	U		U	1.70	0.393	ug/kg
B-6 (10-11)	L1941309-11	CIS-CHLORDANE	9/16/2019		Y	N	U		U	2.12	0.591	ug/kg
B-6 (10-11)	L1941309-11	ALDRIN	9/16/2019		Y	N	U		U	1.70	0.598	ug/kg
B-6 (10-11)	L1941309-11	ALPHA-BHC	9/16/2019		Y	N	U		U	0.707	0.201	ug/kg
B-6 (10-11)	L1941309-11	4,4'-DDT	9/16/2019		Y	N	U		U	3.18	1.36	ug/kg
B-6 (10-11)	L1941309-11	BETA-BHC	9/16/2019		Y	N	U		U	1.70	0.644	ug/kg
B-6 (1-2)	L1941309-13	LINDANE	9/16/2019		Y	N	U		U	0.713	0.319	ug/kg
B-6 (1-2)	L1941309-13	DIELDRIN	9/16/2019		Y	N	U		U	1.07	0.535	ug/kg
B-6 (1-2)	L1941309-13	ENDRIN	9/16/2019		Y	N	U		U	0.713	0.292	ug/kg
B-6 (1-2)	L1941309-13	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.713	0.339	ug/kg
B-6 (1-2)	L1941309-13	HEPTACHLOR	9/16/2019		Y	N	U		U	0.856	0.384	ug/kg
B-6 (1-2)	L1941309-13	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.21	0.962	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (1-2)	L1941309-13	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.71	0.441	ug/kg
B-6 (1-2)	L1941309-13	TRANS-CHLORDANE	9/16/2019		Y	N	U		U	2.14	0.565	ug/kg
B-6 (1-2)	L1941309-13	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.71	0.572	ug/kg
B-6 (1-2)	L1941309-13	TOXAPHENE	9/16/2019		Y	N	U		U	32.1	8.98	ug/kg
B-6 (1-2)	L1941309-13	METHOXYCHLOR	9/16/2019		Y	N	U		U	3.21	0.998	ug/kg
B-6 (1-2)	L1941309-13	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.14	0.749	ug/kg
B-6 (1-2)	L1941309-13	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.71	0.404	ug/kg
B-6 (1-2)	L1941309-13	4,4'-DDT	9/16/2019		Y	N	U		U	3.21	1.38	ug/kg
B-6 (1-2)	L1941309-13	4,4'-DDE	9/16/2019		Y	N	U		U	1.71	0.396	ug/kg
B-6 (1-2)	L1941309-13	ALPHA-BHC	9/16/2019		Y	N	U		U	0.713	0.202	ug/kg
B-6 (1-2)	L1941309-13	4,4'-DDD	9/16/2019		Y	N	U		U	1.71	0.610	ug/kg
B-6 (1-2)	L1941309-13	ALDRIN	9/16/2019		Y	N	U		U	1.71	0.602	ug/kg
B-6 (1-2)	L1941309-13	DELTA-BHC	9/16/2019		Y	N	U		U	1.71	0.335	ug/kg
B-6 (1-2)	L1941309-13	CIS-CHLORDANE	9/16/2019		Y	N	U		U	2.14	0.596	ug/kg
B-6 (1-2)	L1941309-13	BETA-BHC	9/16/2019		Y	N	U		U	1.71	0.649	ug/kg
B-6 (1-2)	L1941309-13	CHLORDANE	9/16/2019		Y	N	U		U	13.9	5.67	ug/kg
B-6 (7-8)	L1941309-12	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.69	0.565	ug/kg
B-6 (7-8)	L1941309-12	ENDRIN	9/16/2019		Y	N	U		U	0.704	0.289	ug/kg
B-6 (7-8)	L1941309-12	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.11	0.739	ug/kg
B-6 (7-8)	L1941309-12	METHOXYCHLOR	9/16/2019		Y	N	U		U	3.17	0.986	ug/kg
B-6 (7-8)	L1941309-12	LINDANE	9/16/2019		Y	N	U		U	0.704	0.315	ug/kg
B-6 (7-8)	L1941309-12	DELTA-BHC	9/16/2019		Y	N	U		U	1.69	0.331	ug/kg
B-6 (7-8)	L1941309-12	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.69	0.399	ug/kg
B-6 (7-8)	L1941309-12	DIELDRIN	9/16/2019		Y	N	U		U	1.06	0.528	ug/kg
B-6 (7-8)	L1941309-12	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.69	0.435	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (7-8)	L1941309-12	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.704	0.335	ug/kg
B-6 (7-8)	L1941309-12	HEPTACHLOR	9/16/2019		Y	N	U		U	0.845	0.379	ug/kg
B-6 (7-8)	L1941309-12	TOXAPHENE	9/16/2019		Y	N	U		U	31.7	8.87	ug/kg
B-6 (7-8)	L1941309-12	TRANS-CHLORDANE	9/16/2019		Y	N	U		U	2.11	0.558	ug/kg
B-6 (7-8)	L1941309-12	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.17	0.951	ug/kg
B-6 (7-8)	L1941309-12	CHLORDANE	9/16/2019		Y	N	U		U	13.7	5.60	ug/kg
B-6 (7-8)	L1941309-12	ALPHA-BHC	9/16/2019		Y	N	U		U	0.704	0.200	ug/kg
B-6 (7-8)	L1941309-12	4,4'-DDE	9/16/2019		Y	N	U		U	1.69	0.391	ug/kg
B-6 (7-8)	L1941309-12	CIS-CHLORDANE	9/16/2019		Y	N	U		U	2.11	0.589	ug/kg
B-6 (7-8)	L1941309-12	BETA-BHC	9/16/2019		Y	N	U		U	1.69	0.641	ug/kg
B-6 (7-8)	L1941309-12	4,4'-DDD	9/16/2019		Y	N	U		U	1.69	0.603	ug/kg
B-6 (7-8)	L1941309-12	4,4'-DDT	9/16/2019		Y	N	U		U	3.17	1.36	ug/kg
B-6 (7-8)	L1941309-12	ALDRIN	9/16/2019		Y	N	U		U	1.69	0.595	ug/kg
B-7 (1-2)	L1941309-03	HEPTACHLOR EPOXIDE	9/16/2019		Y	N	U		U	3.54	1.06	ug/kg
B-7 (1-2)	L1941309-03	ENDRIN	9/16/2019		Y	N	U		U	0.786	0.322	ug/kg
B-7 (1-2)	L1941309-03	ENDOSULFAN I	9/16/2019		Y	N	U		U	1.89	0.446	ug/kg
B-7 (1-2)	L1941309-03	ENDRIN ALDEHYDE	9/16/2019		Y	N	U		U	2.36	0.825	ug/kg
B-7 (1-2)	L1941309-03	ENDOSULFAN SULFATE	9/16/2019		Y	N	U		U	0.786	0.374	ug/kg
B-7 (1-2)	L1941309-03	LINDANE	9/16/2019		Y	N	U		U	0.786	0.351	ug/kg
B-7 (1-2)	L1941309-03	METHOXYCHLOR	9/16/2019		Y	N	U		U	3.54	1.10	ug/kg
B-7 (1-2)	L1941309-03	DIELDRIN	9/16/2019		Y	N	U		U	1.18	0.590	ug/kg
B-7 (1-2)	L1941309-03	ENDOSULFAN II	9/16/2019		Y	N	U		U	1.89	0.630	ug/kg
B-7 (1-2)	L1941309-03	TOXAPHENE	9/16/2019		Y	N	U		U	35.4	9.90	ug/kg
B-7 (1-2)	L1941309-03	ENDRIN KETONE	9/16/2019		Y	N	U		U	1.89	0.486	ug/kg
B-7 (1-2)	L1941309-03	TRANS-CHLORDANE	9/16/2019		Y	N	U		U	2.36	0.622	ug/kg

Analytical Method	SW8081B										
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
B-7 (1-2)	L1941309-03	HEPTACHLOR	9/16/2019		Y	N	U		U	0.943	0.423	ug/kg
B-7 (1-2)	L1941309-03	4,4'-DDT	9/16/2019		Y	N	U		U	3.54	1.52	ug/kg
B-7 (1-2)	L1941309-03	CHLORDANE	9/16/2019		Y	N	U		U	15.3	6.25	ug/kg
B-7 (1-2)	L1941309-03	4,4'-DDD	9/16/2019		Y	N	U		U	1.89	0.673	ug/kg
B-7 (1-2)	L1941309-03	DELTA-BHC	9/16/2019		Y	N	U		U	1.89	0.369	ug/kg
B-7 (1-2)	L1941309-03	BETA-BHC	9/16/2019		Y	N	U		U	1.89	0.715	ug/kg
B-7 (1-2)	L1941309-03	4,4'-DDE	9/16/2019		Y	N	U		U	1.89	0.436	ug/kg
B-7 (1-2)	L1941309-03	ALPHA-BHC	9/16/2019		Y	N	U		U	0.786	0.223	ug/kg
B-7 (1-2)	L1941309-03	ALDRIN	9/16/2019		Y	N	U		U	1.89	0.664	ug/kg
B-7 (1-2)	L1941309-03	CIS-CHLORDANE	9/16/2019		Y	N	U		U	2.36	0.657	ug/kg

Analytical Method	SW8082A										
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
B-1 (10-11)	L1941309-08	AROCLOR 1016	9/14/2019		Y	N	U		U	33.5	2.97	ug/kg
B-1 (10-11)	L1941309-08	AROCLOR 1221	9/14/2019		Y	N	U		U	33.5	3.36	ug/kg
B-1 (10-11)	L1941309-08	AROCLOR 1232	9/14/2019		Y	N	U		U	33.5	7.10	ug/kg
B-1 (10-11)	L1941309-08	AROCLOR 1242	9/14/2019		Y	N	U		U	33.5	4.51	ug/kg
B-1 (10-11)	L1941309-08	AROCLOR 1268	9/14/2019		Y	N	U		U	33.5	3.47	ug/kg
B-1 (10-11)	L1941309-08	AROCLOR 1248	9/14/2019		Y	N	U		U	33.5	5.02	ug/kg
B-1 (10-11)	L1941309-08	AROCLOR 1254	9/14/2019		Y	N	U		U	33.5	3.66	ug/kg
B-1 (10-11)	L1941309-08	PCBS, TOTAL	9/14/2019		Y	N	U		U	33.5	2.97	ug/kg
B-1 (10-11)	L1941309-08	AROCLOR 1262	9/14/2019		Y	N	U		U	33.5	4.25	ug/kg
B-1 (10-11)	L1941309-08	AROCLOR 1260	9/14/2019		Y	N	U		U	33.5	6.19	ug/kg
B-1 (2-3)	L1941309-06	PCBS, TOTAL	9/14/2019		Y	N	U		U	34.2	3.04	ug/kg
B-1 (2-3)	L1941309-06	AROCLOR 1016	9/14/2019		Y	N	U		U	34.2	3.04	ug/kg

SDG: L1941309

Analytical Method	SW8082A											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (2-3)	L1941309-06	AROCLOR 1242	9/14/2019		Y	N	U		U	34.2	4.61	ug/kg
B-1 (2-3)	L1941309-06	AROCLOR 1268	9/14/2019		Y	N	U		U	34.2	3.54	ug/kg
B-1 (2-3)	L1941309-06	AROCLOR 1232	9/14/2019		Y	N	U		U	34.2	7.25	ug/kg
B-1 (2-3)	L1941309-06	AROCLOR 1221	9/14/2019		Y	N	U		U	34.2	3.42	ug/kg
B-1 (2-3)	L1941309-06	AROCLOR 1262	9/14/2019		Y	N	U		U	34.2	4.34	ug/kg
B-1 (2-3)	L1941309-06	AROCLOR 1254	9/14/2019		Y	N	U		U	34.2	3.74	ug/kg
B-1 (2-3)	L1941309-06	AROCLOR 1248	9/14/2019		Y	N	U		U	34.2	5.13	ug/kg
B-1 (2-3)	L1941309-06	AROCLOR 1260	9/14/2019		Y	N	U		U	34.2	6.32	ug/kg
B-1 (5-6)	L1941309-07	AROCLOR 1232	9/14/2019		Y	N	U		U	34.0	7.20	ug/kg
B-1 (5-6)	L1941309-07	AROCLOR 1242	9/14/2019		Y	N	U		U	34.0	4.58	ug/kg
B-1 (5-6)	L1941309-07	AROCLOR 1248	9/14/2019		Y	N	U		U	34.0	5.09	ug/kg
B-1 (5-6)	L1941309-07	AROCLOR 1254	9/14/2019		Y	N	U		U	34.0	3.71	ug/kg
B-1 (5-6)	L1941309-07	AROCLOR 1260	9/14/2019		Y	N	U		U	34.0	6.27	ug/kg
B-1 (5-6)	L1941309-07	AROCLOR 1268	9/14/2019		Y	N	U		U	34.0	3.52	ug/kg
B-1 (5-6)	L1941309-07	PCBS, TOTAL	9/14/2019		Y	N	U		U	34.0	3.01	ug/kg
B-1 (5-6)	L1941309-07	AROCLOR 1221	9/14/2019		Y	N	U		U	34.0	3.40	ug/kg
B-1 (5-6)	L1941309-07	AROCLOR 1016	9/14/2019		Y	N	U		U	34.0	3.01	ug/kg
B-1 (5-6)	L1941309-07	AROCLOR 1262	9/14/2019		Y	N	U		U	34.0	4.31	ug/kg
B-10 (11-12)	L1941309-16	AROCLOR 1262	9/13/2019		Y	N	U		U	35.0	4.45	ug/kg
B-10 (11-12)	L1941309-16	AROCLOR 1268	9/13/2019		Y	N	U		U	35.0	3.63	ug/kg
B-10 (11-12)	L1941309-16	PCBS, TOTAL	9/13/2019		Y	N	U		U	35.0	3.11	ug/kg
B-10 (11-12)	L1941309-16	AROCLOR 1260	9/13/2019		Y	N	U		U	35.0	6.47	ug/kg
B-10 (11-12)	L1941309-16	AROCLOR 1254	9/13/2019		Y	N	U		U	35.0	3.83	ug/kg
B-10 (11-12)	L1941309-16	AROCLOR 1248	9/13/2019		Y	N	U		U	35.0	5.25	ug/kg
B-10 (11-12)	L1941309-16	AROCLOR 1242	9/13/2019		Y	N	U		U	35.0	4.72	ug/kg

SDG: L1941309

Analytical Method	SW8082A										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (11-12)	L1941309-16	AROCLOR 1232	9/13/2019		Y	N	U		U	35.0	7.43	ug/kg
B-10 (11-12)	L1941309-16	AROCLOR 1221	9/13/2019		Y	N	U		U	35.0	3.51	ug/kg
B-10 (11-12)	L1941309-16	AROCLOR 1016	9/13/2019		Y	N	U		U	35.0	3.11	ug/kg
B-10 (2-3)	L1941309-14	AROCLOR 1254	9/14/2019	13.9	Y	Y	J		J	35.8	3.92	ug/kg
B-10 (2-3)	L1941309-14	PCBS, TOTAL	9/14/2019	20.8	Y	Y	J		J	35.8	3.18	ug/kg
B-10 (2-3)	L1941309-14	AROCLOR 1260	9/14/2019	6.94	Y	Y	J		J	35.8	6.62	ug/kg
B-10 (2-3)	L1941309-14	AROCLOR 1221	9/14/2019		Y	N	U		U	35.8	3.59	ug/kg
B-10 (2-3)	L1941309-14	AROCLOR 1242	9/14/2019		Y	N	U		U	35.8	4.83	ug/kg
B-10 (2-3)	L1941309-14	AROCLOR 1248	9/14/2019		Y	N	U		U	35.8	5.37	ug/kg
B-10 (2-3)	L1941309-14	AROCLOR 1262	9/14/2019		Y	N	U		U	35.8	4.55	ug/kg
B-10 (2-3)	L1941309-14	AROCLOR 1268	9/14/2019		Y	N	U		U	35.8	3.71	ug/kg
B-10 (2-3)	L1941309-14	AROCLOR 1016	9/14/2019		Y	N	U		U	35.8	3.18	ug/kg
B-10 (2-3)	L1941309-14	AROCLOR 1232	9/14/2019		Y	N	U		U	35.8	7.59	ug/kg
B-10 (7-8)	L1941309-15	PCBS, TOTAL	9/13/2019	51.9	Y	Y	J		J	36.5	3.24	ug/kg
B-10 (7-8)	L1941309-15	AROCLOR 1268	9/13/2019	12.3	Y	Y	J		J	36.5	3.78	ug/kg
B-10 (7-8)	L1941309-15	AROCLOR 1260	9/13/2019	16.6	Y	Y	J		J	36.5	6.75	ug/kg
B-10 (7-8)	L1941309-15	AROCLOR 1254	9/13/2019	23.0	Y	Y	J		J	36.5	4.00	ug/kg
B-10 (7-8)	L1941309-15	AROCLOR 1248	9/13/2019		Y	N	U		U	36.5	5.48	ug/kg
B-10 (7-8)	L1941309-15	AROCLOR 1262	9/13/2019		Y	N	U		U	36.5	4.64	ug/kg
B-10 (7-8)	L1941309-15	AROCLOR 1232	9/13/2019		Y	N	U		U	36.5	7.74	ug/kg
B-10 (7-8)	L1941309-15	AROCLOR 1016	9/13/2019		Y	N	U		U	36.5	3.24	ug/kg
B-10 (7-8)	L1941309-15	AROCLOR 1221	9/13/2019		Y	N	U		U	36.5	3.66	ug/kg
B-10 (7-8)	L1941309-15	AROCLOR 1242	9/13/2019		Y	N	U		U	36.5	4.92	ug/kg
B-11 (0-1)	L1941309-10	AROCLOR 1016	9/14/2019		Y	N	U		U	39.6	3.51	ug/kg
B-11 (0-1)	L1941309-10	AROCLOR 1232	9/14/2019		Y	N	U		U	39.6	8.39	ug/kg

SDG: L1941309

Analytical Method	SW8082A										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (0-1)	L1941309-10	AROCLOR 1248	9/14/2019		Y	N	U		U	39.6	5.94	ug/kg
B-11 (0-1)	L1941309-10	AROCLOR 1254	9/14/2019		Y	N	U		U	39.6	4.33	ug/kg
B-11 (0-1)	L1941309-10	AROCLOR 1260	9/14/2019		Y	N	U		U	39.6	7.31	ug/kg
B-11 (0-1)	L1941309-10	AROCLOR 1268	9/14/2019		Y	N	U		U	39.6	4.10	ug/kg
B-11 (0-1)	L1941309-10	AROCLOR 1242	9/14/2019		Y	N	U		U	39.6	5.34	ug/kg
B-11 (0-1)	L1941309-10	AROCLOR 1221	9/14/2019		Y	N	U		U	39.6	3.96	ug/kg
B-11 (0-1)	L1941309-10	AROCLOR 1262	9/14/2019		Y	N	U		U	39.6	5.03	ug/kg
B-11 (0-1)	L1941309-10	PCBS, TOTAL	9/14/2019		Y	N	U		U	39.6	3.51	ug/kg
B-11 (6-7)	L1941309-09	AROCLOR 1248	9/15/2019		Y	N	U		U	35.6	5.34	ug/kg
B-11 (6-7)	L1941309-09	AROCLOR 1016	9/15/2019		Y	N	U		U	35.6	3.16	ug/kg
B-11 (6-7)	L1941309-09	AROCLOR 1221	9/15/2019		Y	N	U		U	35.6	3.56	ug/kg
B-11 (6-7)	L1941309-09	AROCLOR 1242	9/15/2019		Y	N	U		U	35.6	4.80	ug/kg
B-11 (6-7)	L1941309-09	AROCLOR 1254	9/15/2019		Y	N	U		U	35.6	3.89	ug/kg
B-11 (6-7)	L1941309-09	AROCLOR 1260	9/15/2019		Y	N	U		U	35.6	6.58	ug/kg
B-11 (6-7)	L1941309-09	AROCLOR 1262	9/15/2019		Y	N	U		U	35.6	4.52	ug/kg
B-11 (6-7)	L1941309-09	AROCLOR 1268	9/15/2019		Y	N	U		U	35.6	3.69	ug/kg
B-11 (6-7)	L1941309-09	PCBS, TOTAL	9/15/2019		Y	N	U		U	35.6	3.16	ug/kg
B-11 (6-7)	L1941309-09	AROCLOR 1232	9/15/2019		Y	N	U		U	35.6	7.54	ug/kg
B-15 (3-4)	L1941309-17	AROCLOR 1260	9/13/2019		Y	N	U		U	35.8	6.62	ug/kg
B-15 (3-4)	L1941309-17	AROCLOR 1242	9/13/2019		Y	N	U		U	35.8	4.83	ug/kg
B-15 (3-4)	L1941309-17	AROCLOR 1268	9/13/2019		Y	N	U		U	35.8	3.71	ug/kg
B-15 (3-4)	L1941309-17	PCBS, TOTAL	9/13/2019		Y	N	U		U	35.8	3.18	ug/kg
B-15 (3-4)	L1941309-17	AROCLOR 1262	9/13/2019		Y	N	U		U	35.8	4.55	ug/kg
B-15 (3-4)	L1941309-17	AROCLOR 1248	9/13/2019		Y	N	U		U	35.8	5.37	ug/kg
B-15 (3-4)	L1941309-17	AROCLOR 1232	9/13/2019		Y	N	U		U	35.8	7.59	ug/kg

SDG: L1941309

Analytical Method	SW8082A											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (3-4)	L1941309-17	AROCLOR 1221	9/13/2019		Y	N	U		U	35.8	3.59	ug/kg
B-15 (3-4)	L1941309-17	AROCLOR 1016	9/13/2019		Y	N	U		U	35.8	3.18	ug/kg
B-15 (3-4)	L1941309-17	AROCLOR 1254	9/13/2019		Y	N	U		U	35.8	3.92	ug/kg
B-15 (6-7)	L1941309-18	AROCLOR 1260	9/13/2019	7.37	Y	Y	J		J	35.8	6.62	ug/kg
B-15 (6-7)	L1941309-18	PCBS, TOTAL	9/13/2019	7.37	Y	Y	J		J	35.8	3.18	ug/kg
B-15 (6-7)	L1941309-18	AROCLOR 1268	9/13/2019		Y	N	U		U	35.8	3.71	ug/kg
B-15 (6-7)	L1941309-18	AROCLOR 1016	9/13/2019		Y	N	U		U	35.8	3.18	ug/kg
B-15 (6-7)	L1941309-18	AROCLOR 1221	9/13/2019		Y	N	U		U	35.8	3.59	ug/kg
B-15 (6-7)	L1941309-18	AROCLOR 1232	9/13/2019		Y	N	U		U	35.8	7.60	ug/kg
B-15 (6-7)	L1941309-18	AROCLOR 1242	9/13/2019		Y	N	U		U	35.8	4.83	ug/kg
B-15 (6-7)	L1941309-18	AROCLOR 1248	9/13/2019		Y	N	U		U	35.8	5.38	ug/kg
B-15 (6-7)	L1941309-18	AROCLOR 1262	9/13/2019		Y	N	U		U	35.8	4.55	ug/kg
B-15 (6-7)	L1941309-18	AROCLOR 1254	9/13/2019		Y	N	U		U	35.8	3.92	ug/kg
B-16 (3-4)	L1941309-04	AROCLOR 1254	9/14/2019		Y	N	U		U	34.4	3.77	ug/kg
B-16 (3-4)	L1941309-04	PCBS, TOTAL	9/14/2019		Y	N	U		U	34.4	3.06	ug/kg
B-16 (3-4)	L1941309-04	AROCLOR 1268	9/14/2019		Y	N	U		U	34.4	3.57	ug/kg
B-16 (3-4)	L1941309-04	AROCLOR 1260	9/14/2019		Y	N	U		U	34.4	6.36	ug/kg
B-16 (3-4)	L1941309-04	AROCLOR 1248	9/14/2019		Y	N	U		U	34.4	5.16	ug/kg
B-16 (3-4)	L1941309-04	AROCLOR 1242	9/14/2019		Y	N	U		U	34.4	4.64	ug/kg
B-16 (3-4)	L1941309-04	AROCLOR 1232	9/14/2019		Y	N	U		U	34.4	7.30	ug/kg
B-16 (3-4)	L1941309-04	AROCLOR 1221	9/14/2019		Y	N	U		U	34.4	3.45	ug/kg
B-16 (3-4)	L1941309-04	AROCLOR 1016	9/14/2019		Y	N	U		U	34.4	3.06	ug/kg
B-16 (3-4)	L1941309-04	AROCLOR 1262	9/14/2019		Y	N	U		U	34.4	4.37	ug/kg
B-16 (7-8)	L1941309-05	PCBS, TOTAL	9/14/2019		Y	N	U		U	35.0	3.10	ug/kg
B-16 (7-8)	L1941309-05	AROCLOR 1254	9/14/2019		Y	N	U		U	35.0	3.82	ug/kg

SDG: L1941309

Analytical Method	SW8082A											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (7-8)	L1941309-05	AROCLOR 1221	9/14/2019		Y	N	U		U	35.0	3.50	ug/kg
B-16 (7-8)	L1941309-05	AROCLOR 1268	9/14/2019		Y	N	U		U	35.0	3.62	ug/kg
B-16 (7-8)	L1941309-05	AROCLOR 1016	9/14/2019		Y	N	U		U	35.0	3.10	ug/kg
B-16 (7-8)	L1941309-05	AROCLOR 1260	9/14/2019		Y	N	U		U	35.0	6.46	ug/kg
B-16 (7-8)	L1941309-05	AROCLOR 1248	9/14/2019		Y	N	U		U	35.0	5.24	ug/kg
B-16 (7-8)	L1941309-05	AROCLOR 1242	9/14/2019		Y	N	U		U	35.0	4.71	ug/kg
B-16 (7-8)	L1941309-05	AROCLOR 1232	9/14/2019		Y	N	U		U	35.0	7.41	ug/kg
B-16 (7-8)	L1941309-05	AROCLOR 1262	9/14/2019		Y	N	U		U	35.0	4.44	ug/kg
B-2 (3-4)	L1941309-01	AROCLOR 1232	9/14/2019		Y	N	U		U	33.8	7.16	ug/kg
B-2 (3-4)	L1941309-01	AROCLOR 1268	9/14/2019		Y	N	U		U	33.8	3.50	ug/kg
B-2 (3-4)	L1941309-01	AROCLOR 1242	9/14/2019		Y	N	U		U	33.8	4.55	ug/kg
B-2 (3-4)	L1941309-01	AROCLOR 1260	9/14/2019		Y	N	U		U	33.8	6.24	ug/kg
B-2 (3-4)	L1941309-01	AROCLOR 1262	9/14/2019		Y	N	U		U	33.8	4.29	ug/kg
B-2 (3-4)	L1941309-01	PCBS, TOTAL	9/14/2019		Y	N	U		U	33.8	3.00	ug/kg
B-2 (3-4)	L1941309-01	AROCLOR 1221	9/14/2019		Y	N	U		U	33.8	3.38	ug/kg
B-2 (3-4)	L1941309-01	AROCLOR 1016	9/14/2019		Y	N	U		U	33.8	3.00	ug/kg
B-2 (3-4)	L1941309-01	AROCLOR 1248	9/14/2019		Y	N	U		U	33.8	5.06	ug/kg
B-2 (3-4)	L1941309-01	AROCLOR 1254	9/14/2019		Y	N	U		U	33.8	3.69	ug/kg
B-2 (6-7)	L1941309-02	AROCLOR 1248	9/14/2019		Y	N	U		U	35.6	5.35	ug/kg
B-2 (6-7)	L1941309-02	AROCLOR 1232	9/14/2019		Y	N	U		U	35.6	7.56	ug/kg
B-2 (6-7)	L1941309-02	AROCLOR 1221	9/14/2019		Y	N	U		U	35.6	3.57	ug/kg
B-2 (6-7)	L1941309-02	AROCLOR 1016	9/14/2019		Y	N	U		U	35.6	3.16	ug/kg
B-2 (6-7)	L1941309-02	AROCLOR 1242	9/14/2019		Y	N	U		U	35.6	4.80	ug/kg
B-2 (6-7)	L1941309-02	PCBS, TOTAL	9/14/2019		Y	N	U		U	35.6	3.16	ug/kg
B-2 (6-7)	L1941309-02	AROCLOR 1254	9/14/2019		Y	N	U		U	35.6	3.90	ug/kg

SDG: L1941309

Analytical Method	SW8082A											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-2 (6-7)	L1941309-02	AROCLOR 1260	9/14/2019		Y	N	U		U	35.6	6.59	ug/kg
B-2 (6-7)	L1941309-02	AROCLOR 1262	9/14/2019		Y	N	U		U	35.6	4.53	ug/kg
B-2 (6-7)	L1941309-02	AROCLOR 1268	9/14/2019		Y	N	U		U	35.6	3.69	ug/kg
B-6 (10-11)	L1941309-11	AROCLOR 1248	9/14/2019		Y	N	U		U	35.0	5.24	ug/kg
B-6 (10-11)	L1941309-11	AROCLOR 1254	9/14/2019		Y	N	U		U	35.0	3.82	ug/kg
B-6 (10-11)	L1941309-11	AROCLOR 1242	9/14/2019		Y	N	U		U	35.0	4.71	ug/kg
B-6 (10-11)	L1941309-11	AROCLOR 1260	9/14/2019		Y	N	U		U	35.0	6.46	ug/kg
B-6 (10-11)	L1941309-11	AROCLOR 1232	9/14/2019		Y	N	U		U	35.0	7.41	ug/kg
B-6 (10-11)	L1941309-11	PCBS, TOTAL	9/14/2019		Y	N	U		U	35.0	3.10	ug/kg
B-6 (10-11)	L1941309-11	AROCLOR 1262	9/14/2019		Y	N	U		U	35.0	4.44	ug/kg
B-6 (10-11)	L1941309-11	AROCLOR 1268	9/14/2019		Y	N	U		U	35.0	3.62	ug/kg
B-6 (10-11)	L1941309-11	AROCLOR 1016	9/14/2019		Y	N	U		U	35.0	3.10	ug/kg
B-6 (10-11)	L1941309-11	AROCLOR 1221	9/14/2019		Y	N	U		U	35.0	3.50	ug/kg
B-6 (1-2)	L1941309-13	AROCLOR 1260	9/14/2019		Y	N	U		U	36.0	6.65	ug/kg
B-6 (1-2)	L1941309-13	PCBS, TOTAL	9/14/2019		Y	N	U		U	36.0	3.19	ug/kg
B-6 (1-2)	L1941309-13	AROCLOR 1268	9/14/2019		Y	N	U		U	36.0	3.73	ug/kg
B-6 (1-2)	L1941309-13	AROCLOR 1262	9/14/2019		Y	N	U		U	36.0	4.57	ug/kg
B-6 (1-2)	L1941309-13	AROCLOR 1221	9/14/2019		Y	N	U		U	36.0	3.60	ug/kg
B-6 (1-2)	L1941309-13	AROCLOR 1248	9/14/2019		Y	N	U		U	36.0	5.40	ug/kg
B-6 (1-2)	L1941309-13	AROCLOR 1242	9/14/2019		Y	N	U		U	36.0	4.85	ug/kg
B-6 (1-2)	L1941309-13	AROCLOR 1232	9/14/2019		Y	N	U		U	36.0	7.62	ug/kg
B-6 (1-2)	L1941309-13	AROCLOR 1016	9/14/2019		Y	N	U		U	36.0	3.19	ug/kg
B-6 (1-2)	L1941309-13	AROCLOR 1254	9/14/2019		Y	N	U		U	36.0	3.93	ug/kg
B-6 (7-8)	L1941309-12	AROCLOR 1268	9/14/2019		Y	N	U		U	35.5	3.68	ug/kg
B-6 (7-8)	L1941309-12	AROCLOR 1248	9/14/2019		Y	N	U		U	35.5	5.33	ug/kg

Analytical Method	SW8082A											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
B-6 (7-8)	L1941309-12	AROCLOR 1260	9/14/2019		Y	N	U		U	35.5	6.57	ug/kg
B-6 (7-8)	L1941309-12	PCBS, TOTAL	9/14/2019		Y	N	U		U	35.5	3.16	ug/kg
B-6 (7-8)	L1941309-12	AROCLOR 1254	9/14/2019		Y	N	U		U	35.5	3.89	ug/kg
B-6 (7-8)	L1941309-12	AROCLOR 1262	9/14/2019		Y	N	U		U	35.5	4.51	ug/kg
B-6 (7-8)	L1941309-12	AROCLOR 1242	9/14/2019		Y	N	U		U	35.5	4.79	ug/kg
B-6 (7-8)	L1941309-12	AROCLOR 1232	9/14/2019		Y	N	U		U	35.5	7.53	ug/kg
B-6 (7-8)	L1941309-12	AROCLOR 1221	9/14/2019		Y	N	U		U	35.5	3.56	ug/kg
B-6 (7-8)	L1941309-12	AROCLOR 1016	9/14/2019		Y	N	U		U	35.5	3.16	ug/kg
B-7 (1-2)	L1941309-03	AROCLOR 1248	9/14/2019		Y	N	U		U	38.2	5.73	ug/kg
B-7 (1-2)	L1941309-03	AROCLOR 1016	9/14/2019		Y	N	U		U	38.2	3.39	ug/kg
B-7 (1-2)	L1941309-03	AROCLOR 1221	9/14/2019		Y	N	U		U	38.2	3.83	ug/kg
B-7 (1-2)	L1941309-03	AROCLOR 1232	9/14/2019		Y	N	U		U	38.2	8.10	ug/kg
B-7 (1-2)	L1941309-03	PCBS, TOTAL	9/14/2019	12.9	Y	Y	J		J	38.2	3.39	ug/kg
B-7 (1-2)	L1941309-03	AROCLOR 1242	9/14/2019		Y	N	U		U	38.2	5.15	ug/kg
B-7 (1-2)	L1941309-03	AROCLOR 1260	9/14/2019	12.9	Y	Y	J		J	38.2	7.06	ug/kg
B-7 (1-2)	L1941309-03	AROCLOR 1262	9/14/2019		Y	N	U		U	38.2	4.85	ug/kg
B-7 (1-2)	L1941309-03	AROCLOR 1268	9/14/2019		Y	N	U		U	38.2	3.96	ug/kg
B-7 (1-2)	L1941309-03	AROCLOR 1254	9/14/2019		Y	N	U		U	38.2	4.18	ug/kg

Analytical Method	SW8260C											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
B-1 (10-11)	L1941309-08	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.43	0.14	ug/kg
B-1 (10-11)	L1941309-08	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	1.7	0.11	ug/kg
B-1 (10-11)	L1941309-08	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.43	0.09	ug/kg
B-1 (10-11)	L1941309-08	CHLOROMETHANE	9/16/2019		Y	N	U	UJ	UJ	3.5	0.81	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (10-11)	L1941309-08	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.28	ug/kg
B-1 (10-11)	L1941309-08	ACRYLONITRILE	9/16/2019		Y	N	U		U	3.5	1.0	ug/kg
B-1 (10-11)	L1941309-08	UNKNOWN	9/16/2019	2.60	Y	Y	J		J			
B-1 (10-11)	L1941309-08	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.12	ug/kg
B-1 (10-11)	L1941309-08	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.7	0.18	ug/kg
B-1 (10-11)	L1941309-08	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.17	ug/kg
B-1 (10-11)	L1941309-08	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.7	0.14	ug/kg
B-1 (10-11)	L1941309-08	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.56	Y	Y	J		J	1.3	0.12	ug/kg
B-1 (10-11)	L1941309-08	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	69	30	ug/kg
B-1 (10-11)	L1941309-08	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.16	ug/kg
B-1 (10-11)	L1941309-08	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.43	0.11	ug/kg
B-1 (10-11)	L1941309-08	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.15	ug/kg
B-1 (10-11)	L1941309-08	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.87	0.22	ug/kg
B-1 (10-11)	L1941309-08	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.15	ug/kg
B-1 (10-11)	L1941309-08	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.56	Y	Y	J		J	0.87	0.12	ug/kg
B-1 (10-11)	L1941309-08	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.43	0.11	ug/kg
B-1 (10-11)	L1941309-08	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	0.87	0.11	ug/kg
B-1 (10-11)	L1941309-08	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.7	0.17	ug/kg
B-1 (10-11)	L1941309-08	2-BUTANONE	9/16/2019	3.5	Y	Y	J		J	8.7	1.9	ug/kg
B-1 (10-11)	L1941309-08	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.43	0.14	ug/kg
B-1 (10-11)	L1941309-08	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.87	0.23	ug/kg
B-1 (10-11)	L1941309-08	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.13	ug/kg
B-1 (10-11)	L1941309-08	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.29	ug/kg
B-1 (10-11)	L1941309-08	METHYL TERT BUTYL ETHER	9/16/2019	0.46	Y	Y	J		J	1.7	0.17	ug/kg
B-1 (10-11)	L1941309-08	BROMOMETHANE	9/16/2019		Y	N	U		U	1.7	0.50	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (10-11)	L1941309-08	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	0.87	0.24	ug/kg
B-1 (10-11)	L1941309-08	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	1.7	0.33	ug/kg
B-1 (10-11)	L1941309-08	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.43	0.14	ug/kg
B-1 (10-11)	L1941309-08	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	0.87	0.20	ug/kg
B-1 (10-11)	L1941309-08	BENZENE	9/16/2019		Y	N	U		U	0.43	0.14	ug/kg
B-1 (10-11)	L1941309-08	BROMOFORM	9/16/2019		Y	N	U		U	3.5	0.21	ug/kg
B-1 (10-11)	L1941309-08	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	8.7	1.1	ug/kg
B-1 (10-11)	L1941309-08	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	2.6	0.86	ug/kg
B-1 (10-11)	L1941309-08	CARBON DISULFIDE	9/16/2019		Y	N	U		U	8.7	3.9	ug/kg
B-1 (10-11)	L1941309-08	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.87	0.12	ug/kg
B-1 (10-11)	L1941309-08	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.43	0.14	ug/kg
B-1 (10-11)	L1941309-08	BROMOBENZENE	9/16/2019		Y	N	U		U	1.7	0.12	ug/kg
B-1 (10-11)	L1941309-08	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.87	0.15	ug/kg
B-1 (10-11)	L1941309-08	2-HEXANONE	9/16/2019		Y	N	U		U	8.7	1.0	ug/kg
B-1 (10-11)	L1941309-08	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.24	ug/kg
B-1 (10-11)	L1941309-08	CYCLOTRISILOXANE, HEXAMETHYL-	9/16/2019	4.31	Y	Y	NJ	U	J			
B-1 (10-11)	L1941309-08	TOTAL TIC COMPOUNDS	9/16/2019	6.91	Y	Y	J		J			
B-1 (10-11)	L1941309-08	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.87	0.21	ug/kg
B-1 (10-11)	L1941309-08	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.87	0.24	ug/kg
B-1 (10-11)	L1941309-08	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.43	0.14	ug/kg
B-1 (10-11)	L1941309-08	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	0.87	0.09	ug/kg
B-1 (10-11)	L1941309-08	ACETONE	9/16/2019	260	Y	Y		J	J	8.7	4.2	ug/kg
B-1 (10-11)	L1941309-08	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.7	0.09	ug/kg
B-1 (10-11)	L1941309-08	CHLOROETHANE	9/16/2019		Y	N	U		U	1.7	0.39	ug/kg
B-1 (10-11)	L1941309-08	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	3.5	0.60	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (10-11)	L1941309-08	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.87	0.14	ug/kg
B-1 (10-11)	L1941309-08	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	0.87	0.09	ug/kg
B-1 (10-11)	L1941309-08	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	0.87	0.15	ug/kg
B-1 (10-11)	L1941309-08	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	0.87	0.12	ug/kg
B-1 (10-11)	L1941309-08	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.7	0.16	ug/kg
B-1 (10-11)	L1941309-08	DIBROMOMETHANE	9/16/2019		Y	N	U		U	1.7	0.21	ug/kg
B-1 (10-11)	L1941309-08	TRICHLOROETHENE	9/16/2019	1.0	Y	Y				0.43	0.12	ug/kg
B-1 (10-11)	L1941309-08	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.87	0.13	ug/kg
B-1 (10-11)	L1941309-08	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.43	0.17	ug/kg
B-1 (10-11)	L1941309-08	STYRENE	9/16/2019		Y	N	U		U	0.87	0.17	ug/kg
B-1 (10-11)	L1941309-08	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	4.3	2.0	ug/kg
B-1 (10-11)	L1941309-08	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	8.7	0.79	ug/kg
B-1 (10-11)	L1941309-08	CHLOROFORM	9/16/2019		Y	N	U		U	1.3	0.12	ug/kg
B-1 (10-11)	L1941309-08	O-XYLENE	9/16/2019		Y	N	U		U	0.87	0.25	ug/kg
B-1 (10-11)	L1941309-08	NAPHTHALENE	9/16/2019		Y	N	U		U	3.5	0.56	ug/kg
B-1 (10-11)	L1941309-08	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.10	ug/kg
B-1 (10-11)	L1941309-08	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	4.3	1.2	ug/kg
B-1 (10-11)	L1941309-08	ETHYLBENZENE	9/16/2019		Y	N	U		U	0.87	0.12	ug/kg
B-1 (10-11)	L1941309-08	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	3.5	0.15	ug/kg
B-1 (10-11)	L1941309-08	VINYL ACETATE	9/16/2019		Y	N	U		U	8.7	1.9	ug/kg
B-1 (10-11)	L1941309-08	TOLUENE	9/16/2019		Y	N	U		U	0.87	0.47	ug/kg
B-1 (10-11)	L1941309-08	ETHYL ETHER	9/16/2019		Y	N	U		U	1.7	0.30	ug/kg
B-1 (10-11)	L1941309-08	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	0.87	0.25	ug/kg
B-1 (10-11)	L1941309-08	P/M-XYLENE	9/16/2019		Y	N	U		U	1.7	0.48	ug/kg
B-1 (10-11)	L1941309-08	VINYL CHLORIDE	9/16/2019		Y	N	U		U	0.87	0.29	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (2-3)	L1941309-06	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.95	0.14	ug/kg
B-1 (2-3)	L1941309-06	2-BUTANONE	9/16/2019	2.4	Y	Y	J		J	9.5	2.1	ug/kg
B-1 (2-3)	L1941309-06	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.95	0.17	ug/kg
B-1 (2-3)	L1941309-06	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.14	ug/kg
B-1 (2-3)	L1941309-06	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.16	ug/kg
B-1 (2-3)	L1941309-06	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.54	Y	Y	J		J	0.95	0.13	ug/kg
B-1 (2-3)	L1941309-06	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	76	33	ug/kg
B-1 (2-3)	L1941309-06	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.17	ug/kg
B-1 (2-3)	L1941309-06	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.47	0.12	ug/kg
B-1 (2-3)	L1941309-06	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.30	ug/kg
B-1 (2-3)	L1941309-06	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.47	0.10	ug/kg
B-1 (2-3)	L1941309-06	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.14	ug/kg
B-1 (2-3)	L1941309-06	BROMOBENZENE	9/16/2019		Y	N	U		U	1.9	0.14	ug/kg
B-1 (2-3)	L1941309-06	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.47	0.15	ug/kg
B-1 (2-3)	L1941309-06	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.95	0.22	ug/kg
B-1 (2-3)	L1941309-06	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.9	0.19	ug/kg
B-1 (2-3)	L1941309-06	1,1,1-TRICHLOROETHANE	9/16/2019	0.17	Y	Y	J		J	0.47	0.16	ug/kg
B-1 (2-3)	L1941309-06	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	0.95	0.22	ug/kg
B-1 (2-3)	L1941309-06	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.18	ug/kg
B-1 (2-3)	L1941309-06	UNKNOWN	9/16/2019	5.69	Y	Y	J		J			
B-1 (2-3)	L1941309-06	UNKNOWN	9/16/2019	2.58	Y	Y	J		J			
B-1 (2-3)	L1941309-06	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.26	ug/kg
B-1 (2-3)	L1941309-06	TOTAL TIC COMPOUNDS	9/16/2019	10.5	Y	Y	J		J			
B-1 (2-3)	L1941309-06	BROMOFORM	9/16/2019		Y	N	U		U	3.8	0.23	ug/kg
B-1 (2-3)	L1941309-06	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.32	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (2-3)	L1941309-06	ACRYLONITRILE	9/16/2019		Y	N	U		U	3.8	1.1	ug/kg
B-1 (2-3)	L1941309-06	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	2.8	0.95	ug/kg
B-1 (2-3)	L1941309-06	UNKNOWN	9/16/2019	2.23	Y	Y	J		J			
B-1 (2-3)	L1941309-06	BROMOMETHANE	9/16/2019		Y	N	U		U	1.9	0.55	ug/kg
B-1 (2-3)	L1941309-06	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	0.95	0.26	ug/kg
B-1 (2-3)	L1941309-06	CARBON DISULFIDE	9/16/2019		Y	N	U		U	9.5	4.3	ug/kg
B-1 (2-3)	L1941309-06	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	1.9	0.36	ug/kg
B-1 (2-3)	L1941309-06	CHLOROETHANE	9/16/2019		Y	N	U		U	1.9	0.43	ug/kg
B-1 (2-3)	L1941309-06	2-HEXANONE	9/16/2019		Y	N	U		U	9.5	1.1	ug/kg
B-1 (2-3)	L1941309-06	METHYL TERT BUTYL ETHER	9/16/2019	0.67	Y	Y	J		J	1.9	0.19	ug/kg
B-1 (2-3)	L1941309-06	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	9.5	1.2	ug/kg
B-1 (2-3)	L1941309-06	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	1.9	0.12	ug/kg
B-1 (2-3)	L1941309-06	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.18	ug/kg
B-1 (2-3)	L1941309-06	CHLOROMETHANE	9/16/2019		Y	N	U	UJ	UJ	3.8	0.88	ug/kg
B-1 (2-3)	L1941309-06	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.95	0.25	ug/kg
B-1 (2-3)	L1941309-06	BENZENE	9/16/2019		Y	N	U		U	0.47	0.16	ug/kg
B-1 (2-3)	L1941309-06	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.9	0.19	ug/kg
B-1 (2-3)	L1941309-06	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.9	0.16	ug/kg
B-1 (2-3)	L1941309-06	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	0.95	0.12	ug/kg
B-1 (2-3)	L1941309-06	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.95	0.24	ug/kg
B-1 (2-3)	L1941309-06	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.47	0.15	ug/kg
B-1 (2-3)	L1941309-06	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.47	0.12	ug/kg
B-1 (2-3)	L1941309-06	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.47	0.16	ug/kg
B-1 (2-3)	L1941309-06	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.54	Y	Y	J		J	1.4	0.13	ug/kg
B-1 (2-3)	L1941309-06	TOLUENE	9/16/2019		Y	N	U		U	0.95	0.52	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (2-3)	L1941309-06	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	0.95	0.16	ug/kg
B-1 (2-3)	L1941309-06	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.9	0.18	ug/kg
B-1 (2-3)	L1941309-06	VINYL ACETATE	9/16/2019		Y	N	U		U	9.5	2.0	ug/kg
B-1 (2-3)	L1941309-06	VINYL CHLORIDE	9/16/2019		Y	N	U		U	0.95	0.32	ug/kg
B-1 (2-3)	L1941309-06	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.47	0.18	ug/kg
B-1 (2-3)	L1941309-06	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.47	0.15	ug/kg
B-1 (2-3)	L1941309-06	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	0.95	0.13	ug/kg
B-1 (2-3)	L1941309-06	STYRENE	9/16/2019		Y	N	U		U	0.95	0.18	ug/kg
B-1 (2-3)	L1941309-06	TRICHLOROETHENE	9/16/2019	14	Y	Y				0.47	0.13	ug/kg
B-1 (2-3)	L1941309-06	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.95	0.16	ug/kg
B-1 (2-3)	L1941309-06	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	9.5	0.87	ug/kg
B-1 (2-3)	L1941309-06	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	0.95	0.10	ug/kg
B-1 (2-3)	L1941309-06	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	3.8	0.16	ug/kg
B-1 (2-3)	L1941309-06	P/M-XYLENE	9/16/2019		Y	N	U		U	1.9	0.53	ug/kg
B-1 (2-3)	L1941309-06	CHLOROFORM	9/16/2019		Y	N	U		U	1.4	0.13	ug/kg
B-1 (2-3)	L1941309-06	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	0.95	0.28	ug/kg
B-1 (2-3)	L1941309-06	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.95	0.14	ug/kg
B-1 (2-3)	L1941309-06	ETHYLBENZENE	9/16/2019		Y	N	U		U	0.95	0.13	ug/kg
B-1 (2-3)	L1941309-06	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.11	ug/kg
B-1 (2-3)	L1941309-06	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	4.7	2.2	ug/kg
B-1 (2-3)	L1941309-06	ETHYL ETHER	9/16/2019		Y	N	U		U	1.9	0.32	ug/kg
B-1 (2-3)	L1941309-06	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	0.95	0.10	ug/kg
B-1 (2-3)	L1941309-06	O-XYLENE	9/16/2019		Y	N	U		U	0.95	0.28	ug/kg
B-1 (2-3)	L1941309-06	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.9	0.10	ug/kg
B-1 (2-3)	L1941309-06	NAPHTHALENE	9/16/2019		Y	N	U		U	3.8	0.62	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (2-3)	L1941309-06	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	3.8	0.66	ug/kg
B-1 (2-3)	L1941309-06	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	4.7	1.3	ug/kg
B-1 (2-3)	L1941309-06	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.95	0.26	ug/kg
B-1 (2-3)	L1941309-06	DIBROMOMETHANE	9/16/2019		Y	N	U		U	1.9	0.22	ug/kg
B-1 (2-3)	L1941309-06	ACETONE	9/16/2019	160	Y	Y		J	J	9.5	4.6	ug/kg
B-1 (5-6)	L1941309-07	BROMOMETHANE	9/16/2019		Y	N	U		U	1.9	0.54	ug/kg
B-1 (5-6)	L1941309-07	CARBON DISULFIDE	9/16/2019		Y	N	U		U	9.3	4.2	ug/kg
B-1 (5-6)	L1941309-07	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.46	0.12	ug/kg
B-1 (5-6)	L1941309-07	ETHYL ACETATE	9/16/2019	50.7	Y	Y	NJ		J			
B-1 (5-6)	L1941309-07	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.46	0.12	ug/kg
B-1 (5-6)	L1941309-07	CYCLOTRISILOXANE, HEXAMETHYL-	9/16/2019	2.83	Y	Y	NJ	U	J			
B-1 (5-6)	L1941309-07	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
B-1 (5-6)	L1941309-07	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
B-1 (5-6)	L1941309-07	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.68	Y	Y	J		J	0.93	0.13	ug/kg
B-1 (5-6)	L1941309-07	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.9	0.19	ug/kg
B-1 (5-6)	L1941309-07	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	0.93	0.21	ug/kg
B-1 (5-6)	L1941309-07	BROMOFORM	9/16/2019		Y	N	U		U	3.7	0.23	ug/kg
B-1 (5-6)	L1941309-07	BROMOBENZENE	9/16/2019		Y	N	U		U	1.9	0.13	ug/kg
B-1 (5-6)	L1941309-07	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.68	Y	Y	J		J	1.4	0.13	ug/kg
B-1 (5-6)	L1941309-07	TOTAL TIC COMPOUNDS	9/16/2019	53.5	Y	Y	J		J			
B-1 (5-6)	L1941309-07	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.46	0.16	ug/kg
B-1 (5-6)	L1941309-07	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.93	0.25	ug/kg
B-1 (5-6)	L1941309-07	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.46	0.10	ug/kg
B-1 (5-6)	L1941309-07	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.9	0.16	ug/kg
B-1 (5-6)	L1941309-07	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.13	ug/kg

SDG: L1941309

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (5-6)	L1941309-07	METHYLENE CHLORIDE	9/16/2019	2.2	Y	Y	J		J	4.6	2.1	ug/kg
B-1 (5-6)	L1941309-07	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	0.93	0.26	ug/kg
B-1 (5-6)	L1941309-07	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	74	33	ug/kg
B-1 (5-6)	L1941309-07	2-HEXANONE	9/16/2019		Y	N	U		U	9.3	1.1	ug/kg
B-1 (5-6)	L1941309-07	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.14	ug/kg
B-1 (5-6)	L1941309-07	CHLOROETHANE	9/16/2019		Y	N	U		U	1.9	0.42	ug/kg
B-1 (5-6)	L1941309-07	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.18	ug/kg
B-1 (5-6)	L1941309-07	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	0.93	0.12	ug/kg
B-1 (5-6)	L1941309-07	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.93	0.24	ug/kg
B-1 (5-6)	L1941309-07	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.30	ug/kg
B-1 (5-6)	L1941309-07	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	1.9	0.12	ug/kg
B-1 (5-6)	L1941309-07	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.9	0.19	ug/kg
B-1 (5-6)	L1941309-07	BENZENE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
B-1 (5-6)	L1941309-07	CHLOROMETHANE	9/16/2019		Y	N	U	UJ	UJ	3.7	0.87	ug/kg
B-1 (5-6)	L1941309-07	ACRYLONITRILE	9/16/2019		Y	N	U		U	3.7	1.1	ug/kg
B-1 (5-6)	L1941309-07	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.18	ug/kg
B-1 (5-6)	L1941309-07	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.25	ug/kg
B-1 (5-6)	L1941309-07	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.31	ug/kg
B-1 (5-6)	L1941309-07	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	9.3	1.2	ug/kg
B-1 (5-6)	L1941309-07	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	2.8	0.93	ug/kg
B-1 (5-6)	L1941309-07	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	1.9	0.36	ug/kg
B-1 (5-6)	L1941309-07	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.93	0.16	ug/kg
B-1 (5-6)	L1941309-07	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.16	ug/kg
B-1 (5-6)	L1941309-07	2-BUTANONE	9/16/2019		Y	N	U		U	9.3	2.1	ug/kg
B-1 (5-6)	L1941309-07	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (5-6)	L1941309-07	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.16	ug/kg
B-1 (5-6)	L1941309-07	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.93	0.22	ug/kg
B-1 (5-6)	L1941309-07	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.93	0.13	ug/kg
B-1 (5-6)	L1941309-07	VINYL CHLORIDE	9/16/2019		Y	N	U		U	0.93	0.31	ug/kg
B-1 (5-6)	L1941309-07	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	0.93	0.10	ug/kg
B-1 (5-6)	L1941309-07	TOLUENE	9/16/2019		Y	N	U		U	0.93	0.50	ug/kg
B-1 (5-6)	L1941309-07	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.9	0.18	ug/kg
B-1 (5-6)	L1941309-07	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	3.7	0.16	ug/kg
B-1 (5-6)	L1941309-07	VINYL ACETATE	9/16/2019		Y	N	U		U	9.3	2.0	ug/kg
B-1 (5-6)	L1941309-07	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.93	0.25	ug/kg
B-1 (5-6)	L1941309-07	CHLOROFORM	9/16/2019		Y	N	U		U	1.4	0.13	ug/kg
B-1 (5-6)	L1941309-07	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.11	ug/kg
B-1 (5-6)	L1941309-07	METHYL TERT BUTYL ETHER	9/16/2019		Y	N	U		U	1.9	0.19	ug/kg
B-1 (5-6)	L1941309-07	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.93	0.14	ug/kg
B-1 (5-6)	L1941309-07	NAPHTHALENE	9/16/2019		Y	N	U		U	3.7	0.60	ug/kg
B-1 (5-6)	L1941309-07	ETHYLBENZENE	9/16/2019		Y	N	U		U	0.93	0.13	ug/kg
B-1 (5-6)	L1941309-07	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	4.6	1.3	ug/kg
B-1 (5-6)	L1941309-07	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	3.7	0.65	ug/kg
B-1 (5-6)	L1941309-07	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	0.93	0.10	ug/kg
B-1 (5-6)	L1941309-07	STYRENE	9/16/2019		Y	N	U		U	0.93	0.18	ug/kg
B-1 (5-6)	L1941309-07	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.9	0.10	ug/kg
B-1 (5-6)	L1941309-07	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.46	0.18	ug/kg
B-1 (5-6)	L1941309-07	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.93	0.16	ug/kg
B-1 (5-6)	L1941309-07	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	9.3	0.85	ug/kg
B-1 (5-6)	L1941309-07	P/M-XYLENE	9/16/2019		Y	N	U		U	1.9	0.52	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (5-6)	L1941309-07	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
B-1 (5-6)	L1941309-07	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	0.93	0.13	ug/kg
B-1 (5-6)	L1941309-07	ETHYL ETHER	9/16/2019		Y	N	U		U	1.9	0.32	ug/kg
B-1 (5-6)	L1941309-07	ACETONE	9/16/2019	180	Y	Y		J	J	9.3	4.5	ug/kg
B-1 (5-6)	L1941309-07	DIBROMOMETHANE	9/16/2019		Y	N	U		U	1.9	0.22	ug/kg
B-1 (5-6)	L1941309-07	TRICHLOROETHENE	9/16/2019	4.4	Y	Y				0.46	0.13	ug/kg
B-1 (5-6)	L1941309-07	O-XYLENE	9/16/2019		Y	N	U		U	0.93	0.27	ug/kg
B-1 (5-6)	L1941309-07	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	0.93	0.27	ug/kg
B-1 (5-6)	L1941309-07	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	0.93	0.16	ug/kg
B-10 (11-12)	L1941309-16	BROMOMETHANE	9/16/2019		Y	N	U		U	2.0	0.57	ug/kg
B-10 (11-12)	L1941309-16	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.0	0.19	ug/kg
B-10 (11-12)	L1941309-16	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.0	0.16	ug/kg
B-10 (11-12)	L1941309-16	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	2.9	0.98	ug/kg
B-10 (11-12)	L1941309-16	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.24	Y	Y	J		J	1.5	0.13	ug/kg
B-10 (11-12)	L1941309-16	BENZENE	9/16/2019		Y	N	U		U	0.49	0.16	ug/kg
B-10 (11-12)	L1941309-16	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.0	0.17	ug/kg
B-10 (11-12)	L1941309-16	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.0	0.31	ug/kg
B-10 (11-12)	L1941309-16	ACRYLONITRILE	9/16/2019		Y	N	U		U	3.9	1.1	ug/kg
B-10 (11-12)	L1941309-16	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.49	0.16	ug/kg
B-10 (11-12)	L1941309-16	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.98	0.26	ug/kg
B-10 (11-12)	L1941309-16	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.49	0.15	ug/kg
B-10 (11-12)	L1941309-16	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	2.0	0.19	ug/kg
B-10 (11-12)	L1941309-16	TOTAL TIC COMPOUNDS	9/16/2019	45.9	Y	Y	J		J			
B-10 (11-12)	L1941309-16	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	2.0	0.38	ug/kg
B-10 (11-12)	L1941309-16	CHLOROMETHANE	9/16/2019		Y	N	U		U	3.9	0.91	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (11-12)	L1941309-16	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	9.8	1.2	ug/kg
B-10 (11-12)	L1941309-16	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.49	0.11	ug/kg
B-10 (11-12)	L1941309-16	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.0	0.26	ug/kg
B-10 (11-12)	L1941309-16	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.49	0.12	ug/kg
B-10 (11-12)	L1941309-16	BROMOFORM	9/16/2019		Y	N	U		U	3.9	0.24	ug/kg
B-10 (11-12)	L1941309-16	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	2.0	0.12	ug/kg
B-10 (11-12)	L1941309-16	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.49	0.16	ug/kg
B-10 (11-12)	L1941309-16	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.49	0.16	ug/kg
B-10 (11-12)	L1941309-16	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	2.0	0.20	ug/kg
B-10 (11-12)	L1941309-16	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.0	0.14	ug/kg
B-10 (11-12)	L1941309-16	2-BUTANONE	9/16/2019		Y	N	U		U	9.8	2.2	ug/kg
B-10 (11-12)	L1941309-16	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	0.98	0.22	ug/kg
B-10 (11-12)	L1941309-16	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.98	0.23	ug/kg
B-10 (11-12)	L1941309-16	2-HEXANONE	9/16/2019		Y	N	U		U	9.8	1.2	ug/kg
B-10 (11-12)	L1941309-16	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.24	Y	Y	J		J	0.98	0.13	ug/kg
B-10 (11-12)	L1941309-16	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	78	34	ug/kg
B-10 (11-12)	L1941309-16	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	0.98	0.12	ug/kg
B-10 (11-12)	L1941309-16	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.98	0.14	ug/kg
B-10 (11-12)	L1941309-16	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	0.98	0.27	ug/kg
B-10 (11-12)	L1941309-16	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	2.0	0.17	ug/kg
B-10 (11-12)	L1941309-16	BROMOBENZENE	9/16/2019		Y	N	U		U	2.0	0.14	ug/kg
B-10 (11-12)	L1941309-16	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.0	0.20	ug/kg
B-10 (11-12)	L1941309-16	ETHYL ACETATE	9/16/2019	42.7	Y	Y	NJ		J			
B-10 (11-12)	L1941309-16	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.49	0.13	ug/kg
B-10 (11-12)	L1941309-16	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.98	0.25	ug/kg

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (11-12)	L1941309-16	CARBON DISULFIDE	9/16/2019		Y	N	U		U	9.8	4.4	ug/kg
B-10 (11-12)	L1941309-16	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.0	0.33	ug/kg
B-10 (11-12)	L1941309-16	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.0	0.14	ug/kg
B-10 (11-12)	L1941309-16	CYCLOTRISILOXANE, HEXAMETHYL-	9/16/2019	3.18	Y	Y	NJ	U	J			
B-10 (11-12)	L1941309-16	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	2.0	0.12	ug/kg
B-10 (11-12)	L1941309-16	TRICHLOROETHENE	9/16/2019		Y	N	U		U	0.49	0.13	ug/kg
B-10 (11-12)	L1941309-16	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	0.98	0.11	ug/kg
B-10 (11-12)	L1941309-16	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	4.9	1.4	ug/kg
B-10 (11-12)	L1941309-16	ETHYLBENZENE	9/16/2019		Y	N	U		U	0.98	0.14	ug/kg
B-10 (11-12)	L1941309-16	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.98	0.27	ug/kg
B-10 (11-12)	L1941309-16	ETHYL ETHER	9/16/2019		Y	N	U		U	2.0	0.33	ug/kg
B-10 (11-12)	L1941309-16	CHLOROETHANE	9/16/2019		Y	N	U		U	2.0	0.44	ug/kg
B-10 (11-12)	L1941309-16	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.98	0.17	ug/kg
B-10 (11-12)	L1941309-16	METHYL TERT BUTYL ETHER	9/16/2019		Y	N	U		U	2.0	0.20	ug/kg
B-10 (11-12)	L1941309-16	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.49	0.15	ug/kg
B-10 (11-12)	L1941309-16	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.98	0.16	ug/kg
B-10 (11-12)	L1941309-16	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	4.9	2.2	ug/kg
B-10 (11-12)	L1941309-16	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	9.8	0.89	ug/kg
B-10 (11-12)	L1941309-16	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.0	0.19	ug/kg
B-10 (11-12)	L1941309-16	DIBROMOMETHANE	9/16/2019		Y	N	U		U	2.0	0.23	ug/kg
B-10 (11-12)	L1941309-16	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.49	0.19	ug/kg
B-10 (11-12)	L1941309-16	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	0.98	0.14	ug/kg
B-10 (11-12)	L1941309-16	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	3.9	0.68	ug/kg
B-10 (11-12)	L1941309-16	TOLUENE	9/16/2019		Y	N	U		U	0.98	0.53	ug/kg
B-10 (11-12)	L1941309-16	NAPHTHALENE	9/16/2019		Y	N	U		U	3.9	0.64	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (11-12)	L1941309-16	VINYL CHLORIDE	9/16/2019		Y	N	U		U	0.98	0.33	ug/kg
B-10 (11-12)	L1941309-16	VINYL ACETATE	9/16/2019		Y	N	U		U	9.8	2.1	ug/kg
B-10 (11-12)	L1941309-16	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	3.9	0.16	ug/kg
B-10 (11-12)	L1941309-16	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	0.98	0.11	ug/kg
B-10 (11-12)	L1941309-16	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	0.98	0.28	ug/kg
B-10 (11-12)	L1941309-16	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.0	0.10	ug/kg
B-10 (11-12)	L1941309-16	STYRENE	9/16/2019		Y	N	U		U	0.98	0.19	ug/kg
B-10 (11-12)	L1941309-16	O-XYLENE	9/16/2019		Y	N	U		U	0.98	0.28	ug/kg
B-10 (11-12)	L1941309-16	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	0.98	0.17	ug/kg
B-10 (11-12)	L1941309-16	CHLOROFORM	9/16/2019		Y	N	U		U	1.5	0.14	ug/kg
B-10 (11-12)	L1941309-16	P/M-XYLENE	9/16/2019		Y	N	U		U	2.0	0.55	ug/kg
B-10 (11-12)	L1941309-16	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.98	0.14	ug/kg
B-10 (11-12)	L1941309-16	ACETONE	9/16/2019	130	Y	Y		J	J	9.8	4.7	ug/kg
B-10 (2-3)	L1941309-14	ETHYLBENZENE	9/16/2019	0.19	Y	Y	J		J	1.1	0.15	ug/kg
B-10 (2-3)	L1941309-14	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	3.3	1.1	ug/kg
B-10 (2-3)	L1941309-14	ETHYL ACETATE	9/16/2019	7.55	Y	Y	NJ		J			
B-10 (2-3)	L1941309-14	CYCLOTRISILOXANE, HEXAMETHYL-	9/16/2019	2.97	Y	Y	NJ	U	J			
B-10 (2-3)	L1941309-14	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	1.1	0.31	ug/kg
B-10 (2-3)	L1941309-14	2-BUTANONE	9/16/2019	2.9	Y	Y	J		J	11	2.4	ug/kg
B-10 (2-3)	L1941309-14	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.55	0.14	ug/kg
B-10 (2-3)	L1941309-14	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.1	0.16	ug/kg
B-10 (2-3)	L1941309-14	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	1.1	0.26	ug/kg
B-10 (2-3)	L1941309-14	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.55	0.17	ug/kg
B-10 (2-3)	L1941309-14	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.2	0.16	ug/kg
B-10 (2-3)	L1941309-14	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.40	Y	Y	J		J	1.1	0.15	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (2-3)	L1941309-14	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.2	0.21	ug/kg
B-10 (2-3)	L1941309-14	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.55	0.18	ug/kg
B-10 (2-3)	L1941309-14	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.1	0.14	ug/kg
B-10 (2-3)	L1941309-14	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.2	0.35	ug/kg
B-10 (2-3)	L1941309-14	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.1	0.28	ug/kg
B-10 (2-3)	L1941309-14	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.2	0.37	ug/kg
B-10 (2-3)	L1941309-14	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.2	0.16	ug/kg
B-10 (2-3)	L1941309-14	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	1.1	0.29	ug/kg
B-10 (2-3)	L1941309-14	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	2.2	0.14	ug/kg
B-10 (2-3)	L1941309-14	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.40	Y	Y	J		J	1.6	0.15	ug/kg
B-10 (2-3)	L1941309-14	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.2	0.18	ug/kg
B-10 (2-3)	L1941309-14	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	2.2	0.21	ug/kg
B-10 (2-3)	L1941309-14	TOTAL TIC COMPOUNDS	9/16/2019	10.5	Y	Y	J		J			
B-10 (2-3)	L1941309-14	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.2	0.30	ug/kg
B-10 (2-3)	L1941309-14	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.55	0.18	ug/kg
B-10 (2-3)	L1941309-14	BENZENE	9/16/2019		Y	N	U		U	0.55	0.18	ug/kg
B-10 (2-3)	L1941309-14	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	88	38	ug/kg
B-10 (2-3)	L1941309-14	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.2	0.22	ug/kg
B-10 (2-3)	L1941309-14	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	2.2	0.42	ug/kg
B-10 (2-3)	L1941309-14	BROMOFORM	9/16/2019		Y	N	U		U	4.4	0.27	ug/kg
B-10 (2-3)	L1941309-14	BROMOMETHANE	9/16/2019		Y	N	U		U	2.2	0.64	ug/kg
B-10 (2-3)	L1941309-14	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	1.1	0.25	ug/kg
B-10 (2-3)	L1941309-14	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.55	0.17	ug/kg
B-10 (2-3)	L1941309-14	BROMOBENZENE	9/16/2019		Y	N	U		U	2.2	0.16	ug/kg
B-10 (2-3)	L1941309-14	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.55	0.14	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (2-3)	L1941309-14	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.55	0.12	ug/kg
B-10 (2-3)	L1941309-14	2-HEXANONE	9/16/2019		Y	N	U		U	11	1.3	ug/kg
B-10 (2-3)	L1941309-14	CHLOROMETHANE	9/16/2019		Y	N	U		U	4.4	1.0	ug/kg
B-10 (2-3)	L1941309-14	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.2	0.19	ug/kg
B-10 (2-3)	L1941309-14	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	2.2	0.22	ug/kg
B-10 (2-3)	L1941309-14	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	11	1.4	ug/kg
B-10 (2-3)	L1941309-14	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	2.2	0.19	ug/kg
B-10 (2-3)	L1941309-14	CARBON DISULFIDE	9/16/2019		Y	N	U		U	11	5.0	ug/kg
B-10 (2-3)	L1941309-14	ACRYLONITRILE	9/16/2019		Y	N	U		U	4.4	1.3	ug/kg
B-10 (2-3)	L1941309-14	CHLOROFORM	9/16/2019		Y	N	U		U	1.6	0.15	ug/kg
B-10 (2-3)	L1941309-14	P/M-XYLENE	9/16/2019		Y	N	U		U	2.2	0.61	ug/kg
B-10 (2-3)	L1941309-14	DIBROMOMETHANE	9/16/2019		Y	N	U		U	2.2	0.26	ug/kg
B-10 (2-3)	L1941309-14	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	5.5	1.6	ug/kg
B-10 (2-3)	L1941309-14	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	5.5	2.5	ug/kg
B-10 (2-3)	L1941309-14	ACETONE	9/16/2019	100	Y	Y		J	J	11	5.3	ug/kg
B-10 (2-3)	L1941309-14	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.55	0.22	ug/kg
B-10 (2-3)	L1941309-14	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.2	0.12	ug/kg
B-10 (2-3)	L1941309-14	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.18	ug/kg
B-10 (2-3)	L1941309-14	METHYL TERT BUTYL ETHER	9/16/2019		Y	N	U		U	2.2	0.22	ug/kg
B-10 (2-3)	L1941309-14	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.19	ug/kg
B-10 (2-3)	L1941309-14	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	1.1	0.12	ug/kg
B-10 (2-3)	L1941309-14	O-XYLENE	9/16/2019		Y	N	U		U	1.1	0.32	ug/kg
B-10 (2-3)	L1941309-14	TOLUENE	9/16/2019		Y	N	U		U	1.1	0.60	ug/kg
B-10 (2-3)	L1941309-14	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	1.1	0.32	ug/kg
B-10 (2-3)	L1941309-14	ETHYL ETHER	9/16/2019		Y	N	U		U	2.2	0.37	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (2-3)	L1941309-14	TRICHLOROETHENE	9/16/2019		Y	N	U		U	0.55	0.15	ug/kg
B-10 (2-3)	L1941309-14	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.12	ug/kg
B-10 (2-3)	L1941309-14	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.1	0.15	ug/kg
B-10 (2-3)	L1941309-14	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.55	0.17	ug/kg
B-10 (2-3)	L1941309-14	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	4.4	0.76	ug/kg
B-10 (2-3)	L1941309-14	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	1.1	0.30	ug/kg
B-10 (2-3)	L1941309-14	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	4.4	0.18	ug/kg
B-10 (2-3)	L1941309-14	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.2	0.21	ug/kg
B-10 (2-3)	L1941309-14	VINYL ACETATE	9/16/2019		Y	N	U		U	11	2.4	ug/kg
B-10 (2-3)	L1941309-14	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.16	ug/kg
B-10 (2-3)	L1941309-14	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	11	1.0	ug/kg
B-10 (2-3)	L1941309-14	VINYL CHLORIDE	9/16/2019		Y	N	U		U	1.1	0.37	ug/kg
B-10 (2-3)	L1941309-14	CHLOROETHANE	9/16/2019		Y	N	U		U	2.2	0.50	ug/kg
B-10 (2-3)	L1941309-14	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	2.2	0.13	ug/kg
B-10 (2-3)	L1941309-14	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	1.1	0.19	ug/kg
B-10 (2-3)	L1941309-14	NAPHTHALENE	9/16/2019		Y	N	U		U	4.4	0.71	ug/kg
B-10 (2-3)	L1941309-14	STYRENE	9/16/2019		Y	N	U		U	1.1	0.22	ug/kg
B-10 (7-8)	L1941309-15	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	74	32	ug/kg
B-10 (7-8)	L1941309-15	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
B-10 (7-8)	L1941309-15	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.92	0.25	ug/kg
B-10 (7-8)	L1941309-15	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.16	ug/kg
B-10 (7-8)	L1941309-15	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.25	Y	Y	J		J	0.92	0.13	ug/kg
B-10 (7-8)	L1941309-15	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	0.92	0.12	ug/kg
B-10 (7-8)	L1941309-15	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	2.8	0.92	ug/kg
B-10 (7-8)	L1941309-15	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.92	0.13	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (7-8)	L1941309-15	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
B-10 (7-8)	L1941309-15	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.46	0.14	ug/kg
B-10 (7-8)	L1941309-15	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.25	ug/kg
B-10 (7-8)	L1941309-15	BROMOFORM	9/16/2019		Y	N	U		U	3.7	0.23	ug/kg
B-10 (7-8)	L1941309-15	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	9.2	1.2	ug/kg
B-10 (7-8)	L1941309-15	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.25	Y	Y	J		J	1.4	0.13	ug/kg
B-10 (7-8)	L1941309-15	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.16	ug/kg
B-10 (7-8)	L1941309-15	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	0.92	0.26	ug/kg
B-10 (7-8)	L1941309-15	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.46	0.10	ug/kg
B-10 (7-8)	L1941309-15	CYCLOTRISILOXANE, HEXAMETHYL-	9/16/2019	3.00	Y	Y	NJ	U	J			
B-10 (7-8)	L1941309-15	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
B-10 (7-8)	L1941309-15	CARBON DISULFIDE	9/16/2019		Y	N	U		U	9.2	4.2	ug/kg
B-10 (7-8)	L1941309-15	ACRYLONITRILE	9/16/2019		Y	N	U		U	3.7	1.1	ug/kg
B-10 (7-8)	L1941309-15	TOTAL TIC COMPOUNDS	9/16/2019	4.99	Y	Y	J		J			
B-10 (7-8)	L1941309-15	UNKNOWN	9/16/2019	1.99	Y	Y	J		J			
B-10 (7-8)	L1941309-15	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.31	ug/kg
B-10 (7-8)	L1941309-15	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.46	0.12	ug/kg
B-10 (7-8)	L1941309-15	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.92	0.22	ug/kg
B-10 (7-8)	L1941309-15	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.15	ug/kg
B-10 (7-8)	L1941309-15	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.14	ug/kg
B-10 (7-8)	L1941309-15	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
B-10 (7-8)	L1941309-15	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.8	0.19	ug/kg
B-10 (7-8)	L1941309-15	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	1.8	0.35	ug/kg
B-10 (7-8)	L1941309-15	CHLOROMETHANE	9/16/2019		Y	N	U		U	3.7	0.86	ug/kg
B-10 (7-8)	L1941309-15	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.19	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (7-8)	L1941309-15	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
B-10 (7-8)	L1941309-15	BROMOMETHANE	9/16/2019		Y	N	U		U	1.8	0.54	ug/kg
B-10 (7-8)	L1941309-15	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.46	0.12	ug/kg
B-10 (7-8)	L1941309-15	BROMOBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
B-10 (7-8)	L1941309-15	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.30	ug/kg
B-10 (7-8)	L1941309-15	2-BUTANONE	9/16/2019		Y	N	U		U	9.2	2.0	ug/kg
B-10 (7-8)	L1941309-15	BENZENE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
B-10 (7-8)	L1941309-15	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.12	ug/kg
B-10 (7-8)	L1941309-15	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.92	0.24	ug/kg
B-10 (7-8)	L1941309-15	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
B-10 (7-8)	L1941309-15	ACETONE	9/16/2019		Y	N	U	UJ	UJ	9.2	4.4	ug/kg
B-10 (7-8)	L1941309-15	2-HEXANONE	9/16/2019		Y	N	U		U	9.2	1.1	ug/kg
B-10 (7-8)	L1941309-15	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	0.92	0.21	ug/kg
B-10 (7-8)	L1941309-15	TRICHLOROETHENE	9/16/2019		Y	N	U		U	0.46	0.13	ug/kg
B-10 (7-8)	L1941309-15	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	9.2	0.84	ug/kg
B-10 (7-8)	L1941309-15	CHLOROFORM	9/16/2019		Y	N	U		U	1.4	0.13	ug/kg
B-10 (7-8)	L1941309-15	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.92	0.15	ug/kg
B-10 (7-8)	L1941309-15	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	0.92	0.16	ug/kg
B-10 (7-8)	L1941309-15	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	0.92	0.27	ug/kg
B-10 (7-8)	L1941309-15	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	4.6	1.3	ug/kg
B-10 (7-8)	L1941309-15	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	4.6	2.1	ug/kg
B-10 (7-8)	L1941309-15	ETHYL ETHER	9/16/2019		Y	N	U		U	1.8	0.31	ug/kg
B-10 (7-8)	L1941309-15	VINYL CHLORIDE	9/16/2019		Y	N	U		U	0.92	0.31	ug/kg
B-10 (7-8)	L1941309-15	NAPHTHALENE	9/16/2019		Y	N	U		U	3.7	0.60	ug/kg
B-10 (7-8)	L1941309-15	DIBROMOMETHANE	9/16/2019		Y	N	U		U	1.8	0.22	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (7-8)	L1941309-15	O-XYLENE	9/16/2019		Y	N	U		U	0.92	0.27	ug/kg
B-10 (7-8)	L1941309-15	VINYL ACETATE	9/16/2019		Y	N	U		U	9.2	2.0	ug/kg
B-10 (7-8)	L1941309-15	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	0.92	0.10	ug/kg
B-10 (7-8)	L1941309-15	STYRENE	9/16/2019		Y	N	U		U	0.92	0.18	ug/kg
B-10 (7-8)	L1941309-15	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.8	0.10	ug/kg
B-10 (7-8)	L1941309-15	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.92	0.25	ug/kg
B-10 (7-8)	L1941309-15	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	0.92	0.10	ug/kg
B-10 (7-8)	L1941309-15	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	3.7	0.16	ug/kg
B-10 (7-8)	L1941309-15	ETHYLBENZENE	9/16/2019		Y	N	U		U	0.92	0.13	ug/kg
B-10 (7-8)	L1941309-15	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.92	0.13	ug/kg
B-10 (7-8)	L1941309-15	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.92	0.16	ug/kg
B-10 (7-8)	L1941309-15	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.11	ug/kg
B-10 (7-8)	L1941309-15	P/M-XYLENE	9/16/2019		Y	N	U		U	1.8	0.52	ug/kg
B-10 (7-8)	L1941309-15	TOLUENE	9/16/2019		Y	N	U		U	0.92	0.50	ug/kg
B-10 (7-8)	L1941309-15	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
B-10 (7-8)	L1941309-15	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	0.92	0.13	ug/kg
B-10 (7-8)	L1941309-15	METHYL TERT BUTYL ETHER	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
B-10 (7-8)	L1941309-15	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.46	0.18	ug/kg
B-10 (7-8)	L1941309-15	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.46	0.14	ug/kg
B-10 (7-8)	L1941309-15	CHLOROETHANE	9/16/2019		Y	N	U		U	1.8	0.42	ug/kg
B-10 (7-8)	L1941309-15	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	3.7	0.64	ug/kg
B-11 (0-1)	L1941309-10	TOTAL TIC COMPOUNDS	9/16/2019	2.78	Y	Y	J		J			
B-11 (0-1)	L1941309-10	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.20	ug/kg
B-11 (0-1)	L1941309-10	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.34	ug/kg
B-11 (0-1)	L1941309-10	CHLOROFORM	9/16/2019	0.41	Y	Y	J		J	1.6	0.14	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (0-1)	L1941309-10	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.52	0.16	ug/kg
B-11 (0-1)	L1941309-10	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.15	ug/kg
B-11 (0-1)	L1941309-10	BROMOBENZENE	9/16/2019		Y	N	U		U	2.1	0.15	ug/kg
B-11 (0-1)	L1941309-10	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	2.1	0.21	ug/kg
B-11 (0-1)	L1941309-10	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.28	ug/kg
B-11 (0-1)	L1941309-10	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.18	Y	Y	J		J	1.6	0.14	ug/kg
B-11 (0-1)	L1941309-10	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	2.1	0.40	ug/kg
B-11 (0-1)	L1941309-10	2-BUTANONE	9/16/2019	2.6	Y	Y	J		J	10	2.3	ug/kg
B-11 (0-1)	L1941309-10	CARBON DISULFIDE	9/16/2019		Y	N	U		U	10	4.7	ug/kg
B-11 (0-1)	L1941309-10	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.18	ug/kg
B-11 (0-1)	L1941309-10	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.18	ug/kg
B-11 (0-1)	L1941309-10	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	1.0	0.24	ug/kg
B-11 (0-1)	L1941309-10	BROMOFORM	9/16/2019		Y	N	U		U	4.1	0.25	ug/kg
B-11 (0-1)	L1941309-10	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	1.0	0.29	ug/kg
B-11 (0-1)	L1941309-10	2-HEXANONE	9/16/2019		Y	N	U		U	10	1.2	ug/kg
B-11 (0-1)	L1941309-10	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	2.1	0.13	ug/kg
B-11 (0-1)	L1941309-10	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	10	1.3	ug/kg
B-11 (0-1)	L1941309-10	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.0	0.15	ug/kg
B-11 (0-1)	L1941309-10	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.52	0.17	ug/kg
B-11 (0-1)	L1941309-10	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.0	0.13	ug/kg
B-11 (0-1)	L1941309-10	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.20	ug/kg
B-11 (0-1)	L1941309-10	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.1	0.17	ug/kg
B-11 (0-1)	L1941309-10	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.1	0.21	ug/kg
B-11 (0-1)	L1941309-10	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	1.0	0.18	ug/kg
B-11 (0-1)	L1941309-10	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	1.0	0.28	ug/kg

SDG: L1941309

Analytical Method	SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (0-1)	L1941309-10	BENZENE	9/16/2019		Y	N	U		U	0.52	0.17	ug/kg
B-11 (0-1)	L1941309-10	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.18	Y	Y	J		J	1.0	0.14	ug/kg
B-11 (0-1)	L1941309-10	1,1,1-TRICHLOROETHANE	9/16/2019	0.51	Y	Y	J		J	0.52	0.17	ug/kg
B-11 (0-1)	L1941309-10	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	3.1	1.0	ug/kg
B-11 (0-1)	L1941309-10	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.33	ug/kg
B-11 (0-1)	L1941309-10	CYCLOTRISILOXANE, HEXAMETHYL-	9/16/2019	2.78	Y	Y	NJ	U	J			
B-11 (0-1)	L1941309-10	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.52	0.13	ug/kg
B-11 (0-1)	L1941309-10	CHLOROMETHANE	9/16/2019		Y	N	U		U	4.1	0.96	ug/kg
B-11 (0-1)	L1941309-10	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.52	0.11	ug/kg
B-11 (0-1)	L1941309-10	ACRYLONITRILE	9/16/2019		Y	N	U		U	4.1	1.2	ug/kg
B-11 (0-1)	L1941309-10	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	1.0	0.25	ug/kg
B-11 (0-1)	L1941309-10	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.0	0.27	ug/kg
B-11 (0-1)	L1941309-10	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	83	36	ug/kg
B-11 (0-1)	L1941309-10	BROMOMETHANE	9/16/2019		Y	N	U		U	2.1	0.60	ug/kg
B-11 (0-1)	L1941309-10	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.52	0.14	ug/kg
B-11 (0-1)	L1941309-10	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.15	ug/kg
B-11 (0-1)	L1941309-10	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.52	0.16	ug/kg
B-11 (0-1)	L1941309-10	TRICHLOROETHENE	9/16/2019	0.80	Y	Y				0.52	0.14	ug/kg
B-11 (0-1)	L1941309-10	O-XYLENE	9/16/2019		Y	N	U		U	1.0	0.30	ug/kg
B-11 (0-1)	L1941309-10	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.18	ug/kg
B-11 (0-1)	L1941309-10	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	1.0	0.11	ug/kg
B-11 (0-1)	L1941309-10	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	1.0	0.30	ug/kg
B-11 (0-1)	L1941309-10	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.1	0.11	ug/kg
B-11 (0-1)	L1941309-10	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	10	0.95	ug/kg
B-11 (0-1)	L1941309-10	ACETONE	9/16/2019	45	Y	Y		J	J	10	5.0	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (0-1)	L1941309-10	TETRACHLOROETHENE	9/16/2019	15	Y	Y				0.52	0.20	ug/kg
B-11 (0-1)	L1941309-10	NAPHTHALENE	9/16/2019		Y	N	U		U	4.1	0.67	ug/kg
B-11 (0-1)	L1941309-10	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	4.1	0.18	ug/kg
B-11 (0-1)	L1941309-10	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	5.2	2.4	ug/kg
B-11 (0-1)	L1941309-10	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	1.0	0.28	ug/kg
B-11 (0-1)	L1941309-10	DIBROMOMETHANE	9/16/2019		Y	N	U		U	2.1	0.25	ug/kg
B-11 (0-1)	L1941309-10	TOLUENE	9/16/2019		Y	N	U		U	1.0	0.56	ug/kg
B-11 (0-1)	L1941309-10	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	5.2	1.5	ug/kg
B-11 (0-1)	L1941309-10	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.52	0.16	ug/kg
B-11 (0-1)	L1941309-10	METHYL TERT BUTYL ETHER	9/16/2019		Y	N	U		U	2.1	0.21	ug/kg
B-11 (0-1)	L1941309-10	ETHYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.15	ug/kg
B-11 (0-1)	L1941309-10	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.15	ug/kg
B-11 (0-1)	L1941309-10	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.11	ug/kg
B-11 (0-1)	L1941309-10	CHLOROETHANE	9/16/2019		Y	N	U		U	2.1	0.47	ug/kg
B-11 (0-1)	L1941309-10	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.0	0.14	ug/kg
B-11 (0-1)	L1941309-10	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.12	ug/kg
B-11 (0-1)	L1941309-10	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	4.1	0.72	ug/kg
B-11 (0-1)	L1941309-10	STYRENE	9/16/2019		Y	N	U		U	1.0	0.20	ug/kg
B-11 (0-1)	L1941309-10	P/M-XYLENE	9/16/2019		Y	N	U		U	2.1	0.58	ug/kg
B-11 (0-1)	L1941309-10	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.17	ug/kg
B-11 (0-1)	L1941309-10	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.1	0.20	ug/kg
B-11 (0-1)	L1941309-10	VINYL ACETATE	9/16/2019		Y	N	U		U	10	2.2	ug/kg
B-11 (0-1)	L1941309-10	VINYL CHLORIDE	9/16/2019		Y	N	U		U	1.0	0.35	ug/kg
B-11 (0-1)	L1941309-10	ETHYL ETHER	9/16/2019		Y	N	U		U	2.1	0.35	ug/kg
B-11 (6-7)	L1941309-09	CHLOROFORM	9/16/2019	0.31	Y	Y	J		J	1.2	0.12	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (6-7)	L1941309-09	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	2.5	0.83	ug/kg
B-11 (6-7)	L1941309-09	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.28	ug/kg
B-11 (6-7)	L1941309-09	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.27	ug/kg
B-11 (6-7)	L1941309-09	BROMOMETHANE	9/16/2019		Y	N	U		U	1.7	0.48	ug/kg
B-11 (6-7)	L1941309-09	CARBON DISULFIDE	9/16/2019		Y	N	U		U	8.3	3.8	ug/kg
B-11 (6-7)	L1941309-09	BROMOFORM	9/16/2019		Y	N	U		U	3.3	0.20	ug/kg
B-11 (6-7)	L1941309-09	ETHYL ACETATE	9/16/2019	33.4	Y	Y	NJ		J			
B-11 (6-7)	L1941309-09	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.52	Y	Y	J		J	1.2	0.11	ug/kg
B-11 (6-7)	L1941309-09	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	1.7	0.10	ug/kg
B-11 (6-7)	L1941309-09	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	1.7	0.32	ug/kg
B-11 (6-7)	L1941309-09	CYCLOTRISILOXANE, HEXAMETHYL-	9/16/2019	1.86	Y	Y	NJ	U	J			
B-11 (6-7)	L1941309-09	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.15	ug/kg
B-11 (6-7)	L1941309-09	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.83	0.22	ug/kg
B-11 (6-7)	L1941309-09	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.7	0.17	ug/kg
B-11 (6-7)	L1941309-09	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.42	0.14	ug/kg
B-11 (6-7)	L1941309-09	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.16	ug/kg
B-11 (6-7)	L1941309-09	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	0.83	0.23	ug/kg
B-11 (6-7)	L1941309-09	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	66	29	ug/kg
B-11 (6-7)	L1941309-09	CHLOROMETHANE	9/16/2019		Y	N	U		U	3.3	0.78	ug/kg
B-11 (6-7)	L1941309-09	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.12	ug/kg
B-11 (6-7)	L1941309-09	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.42	0.14	ug/kg
B-11 (6-7)	L1941309-09	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.42	0.13	ug/kg
B-11 (6-7)	L1941309-09	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.7	0.14	ug/kg
B-11 (6-7)	L1941309-09	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	0.83	0.19	ug/kg
B-11 (6-7)	L1941309-09	BENZENE	9/16/2019		Y	N	U		U	0.42	0.14	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (6-7)	L1941309-09	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.42	0.10	ug/kg
B-11 (6-7)	L1941309-09	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.83	0.21	ug/kg
B-11 (6-7)	L1941309-09	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.7	0.17	ug/kg
B-11 (6-7)	L1941309-09	BROMOBENZENE	9/16/2019		Y	N	U		U	1.7	0.12	ug/kg
B-11 (6-7)	L1941309-09	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.16	ug/kg
B-11 (6-7)	L1941309-09	ACRYLONITRILE	9/16/2019		Y	N	U		U	3.3	0.96	ug/kg
B-11 (6-7)	L1941309-09	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	0.83	0.10	ug/kg
B-11 (6-7)	L1941309-09	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.12	ug/kg
B-11 (6-7)	L1941309-09	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.23	ug/kg
B-11 (6-7)	L1941309-09	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.42	0.09	ug/kg
B-11 (6-7)	L1941309-09	2-HEXANONE	9/16/2019		Y	N	U		U	8.3	0.98	ug/kg
B-11 (6-7)	L1941309-09	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	8.3	1.1	ug/kg
B-11 (6-7)	L1941309-09	2-BUTANONE	9/16/2019		Y	N	U		U	8.3	1.8	ug/kg
B-11 (6-7)	L1941309-09	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.83	0.20	ug/kg
B-11 (6-7)	L1941309-09	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.42	0.13	ug/kg
B-11 (6-7)	L1941309-09	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.83	0.12	ug/kg
B-11 (6-7)	L1941309-09	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.52	Y	Y	J		J	0.83	0.11	ug/kg
B-11 (6-7)	L1941309-09	TOTAL TIC COMPOUNDS	9/16/2019	35.3	Y	Y	J		J			
B-11 (6-7)	L1941309-09	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.42	0.11	ug/kg
B-11 (6-7)	L1941309-09	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.14	ug/kg
B-11 (6-7)	L1941309-09	TRICHLOROETHENE	9/16/2019		Y	N	U		U	0.42	0.11	ug/kg
B-11 (6-7)	L1941309-09	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	4.2	1.9	ug/kg
B-11 (6-7)	L1941309-09	NAPHTHALENE	9/16/2019		Y	N	U		U	3.3	0.54	ug/kg
B-11 (6-7)	L1941309-09	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	4.2	1.2	ug/kg
B-11 (6-7)	L1941309-09	VINYL ACETATE	9/16/2019		Y	N	U		U	8.3	1.8	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (6-7)	L1941309-09	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	8.3	0.76	ug/kg
B-11 (6-7)	L1941309-09	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.83	0.14	ug/kg
B-11 (6-7)	L1941309-09	STYRENE	9/16/2019		Y	N	U		U	0.83	0.16	ug/kg
B-11 (6-7)	L1941309-09	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.83	0.12	ug/kg
B-11 (6-7)	L1941309-09	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	0.83	0.24	ug/kg
B-11 (6-7)	L1941309-09	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	0.83	0.09	ug/kg
B-11 (6-7)	L1941309-09	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.10	ug/kg
B-11 (6-7)	L1941309-09	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	0.83	0.09	ug/kg
B-11 (6-7)	L1941309-09	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.83	0.23	ug/kg
B-11 (6-7)	L1941309-09	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	3.3	0.14	ug/kg
B-11 (6-7)	L1941309-09	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.7	0.16	ug/kg
B-11 (6-7)	L1941309-09	ETHYLBENZENE	9/16/2019		Y	N	U		U	0.83	0.12	ug/kg
B-11 (6-7)	L1941309-09	TOLUENE	9/16/2019		Y	N	U		U	0.83	0.45	ug/kg
B-11 (6-7)	L1941309-09	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	0.83	0.12	ug/kg
B-11 (6-7)	L1941309-09	ETHYL ETHER	9/16/2019		Y	N	U		U	1.7	0.28	ug/kg
B-11 (6-7)	L1941309-09	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.42	0.16	ug/kg
B-11 (6-7)	L1941309-09	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	3.3	0.58	ug/kg
B-11 (6-7)	L1941309-09	CHLOROETHANE	9/16/2019		Y	N	U		U	1.7	0.38	ug/kg
B-11 (6-7)	L1941309-09	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.42	0.13	ug/kg
B-11 (6-7)	L1941309-09	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.83	0.14	ug/kg
B-11 (6-7)	L1941309-09	METHYL TERT BUTYL ETHER	9/16/2019		Y	N	U		U	1.7	0.17	ug/kg
B-11 (6-7)	L1941309-09	DIBROMOMETHANE	9/16/2019		Y	N	U		U	1.7	0.20	ug/kg
B-11 (6-7)	L1941309-09	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.7	0.09	ug/kg
B-11 (6-7)	L1941309-09	ACETONE	9/16/2019	100	Y	Y		J	J	8.3	4.0	ug/kg
B-11 (6-7)	L1941309-09	O-XYLENE	9/16/2019		Y	N	U		U	0.83	0.24	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (6-7)	L1941309-09	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	0.83	0.14	ug/kg
B-11 (6-7)	L1941309-09	P/M-XYLENE	9/16/2019		Y	N	U		U	1.7	0.47	ug/kg
B-11 (6-7)	L1941309-09	VINYL CHLORIDE	9/16/2019		Y	N	U		U	0.83	0.28	ug/kg
B-15 (3-4)	L1941309-17	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
B-15 (3-4)	L1941309-17	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.15	ug/kg
B-15 (3-4)	L1941309-17	ACRYLONITRILE	9/16/2019		Y	N	U		U	3.6	1.0	ug/kg
B-15 (3-4)	L1941309-17	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.15	ug/kg
B-15 (3-4)	L1941309-17	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg
B-15 (3-4)	L1941309-17	BENZENE	9/16/2019		Y	N	U		U	0.44	0.15	ug/kg
B-15 (3-4)	L1941309-17	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.17	ug/kg
B-15 (3-4)	L1941309-17	TOTAL TIC COMPOUNDS	9/16/2019	6.15	Y	Y	J		J			
B-15 (3-4)	L1941309-17	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	1.8	0.34	ug/kg
B-15 (3-4)	L1941309-17	UNKNOWN	9/16/2019	2.88	Y	Y	J		J			
B-15 (3-4)	L1941309-17	2-HEXANONE	9/16/2019		Y	N	U		U	8.9	1.0	ug/kg
B-15 (3-4)	L1941309-17	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.44	0.15	ug/kg
B-15 (3-4)	L1941309-17	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.30	Y	Y	J		J	1.3	0.12	ug/kg
B-15 (3-4)	L1941309-17	METHYL TERT BUTYL ETHER	9/16/2019	1.0	Y	Y	J		J	1.8	0.18	ug/kg
B-15 (3-4)	L1941309-17	CHLOROFORM	9/16/2019	0.12	Y	Y	J		J	1.3	0.12	ug/kg
B-15 (3-4)	L1941309-17	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	8.9	1.1	ug/kg
B-15 (3-4)	L1941309-17	2-BUTANONE	9/16/2019	4.0	Y	Y	J		J	8.9	2.0	ug/kg
B-15 (3-4)	L1941309-17	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.44	0.12	ug/kg
B-15 (3-4)	L1941309-17	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.11	ug/kg
B-15 (3-4)	L1941309-17	CYCLOTRISILOXANE, HEXAMETHYL-	9/16/2019	3.27	Y	Y	NJ	U	J			
B-15 (3-4)	L1941309-17	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg
B-15 (3-4)	L1941309-17	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.17	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (3-4)	L1941309-17	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	71	31	ug/kg
B-15 (3-4)	L1941309-17	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.24	ug/kg
B-15 (3-4)	L1941309-17	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.30	ug/kg
B-15 (3-4)	L1941309-17	ACETONE	9/16/2019	370	Y	Y	E	J	J	8.9	4.3	ug/kg
B-15 (3-4)	L1941309-17	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.89	0.21	ug/kg
B-15 (3-4)	L1941309-17	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.44	0.15	ug/kg
B-15 (3-4)	L1941309-17	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	0.89	0.25	ug/kg
B-15 (3-4)	L1941309-17	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.30	Y	Y	J		J	0.89	0.12	ug/kg
B-15 (3-4)	L1941309-17	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.89	0.24	ug/kg
B-15 (3-4)	L1941309-17	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
B-15 (3-4)	L1941309-17	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.89	0.23	ug/kg
B-15 (3-4)	L1941309-17	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	0.89	0.11	ug/kg
B-15 (3-4)	L1941309-17	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.89	0.13	ug/kg
B-15 (3-4)	L1941309-17	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
B-15 (3-4)	L1941309-17	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.16	ug/kg
B-15 (3-4)	L1941309-17	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	2.7	0.89	ug/kg
B-15 (3-4)	L1941309-17	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.29	ug/kg
B-15 (3-4)	L1941309-17	BROMOBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
B-15 (3-4)	L1941309-17	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
B-15 (3-4)	L1941309-17	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.44	0.10	ug/kg
B-15 (3-4)	L1941309-17	CHLOROETHANE	9/16/2019		Y	N	U		U	1.8	0.40	ug/kg
B-15 (3-4)	L1941309-17	DIBROMOMETHANE	9/16/2019		Y	N	U		U	1.8	0.21	ug/kg
B-15 (3-4)	L1941309-17	O-XYLENE	9/16/2019		Y	N	U		U	0.89	0.26	ug/kg
B-15 (3-4)	L1941309-17	TOLUENE	9/16/2019		Y	N	U		U	0.89	0.48	ug/kg
B-15 (3-4)	L1941309-17	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.10	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (3-4)	L1941309-17	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	4.4	2.0	ug/kg
B-15 (3-4)	L1941309-17	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	0.89	0.26	ug/kg
B-15 (3-4)	L1941309-17	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.44	0.11	ug/kg
B-15 (3-4)	L1941309-17	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	0.89	0.20	ug/kg
B-15 (3-4)	L1941309-17	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.89	0.24	ug/kg
B-15 (3-4)	L1941309-17	ETHYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.12	ug/kg
B-15 (3-4)	L1941309-17	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg
B-15 (3-4)	L1941309-17	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.15	ug/kg
B-15 (3-4)	L1941309-17	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.15	ug/kg
B-15 (3-4)	L1941309-17	BROMOFORM	9/16/2019		Y	N	U		U	3.6	0.22	ug/kg
B-15 (3-4)	L1941309-17	CARBON DISULFIDE	9/16/2019		Y	N	U		U	8.9	4.0	ug/kg
B-15 (3-4)	L1941309-17	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.13	ug/kg
B-15 (3-4)	L1941309-17	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	0.89	0.12	ug/kg
B-15 (3-4)	L1941309-17	NAPHTHALENE	9/16/2019		Y	N	U		U	3.6	0.58	ug/kg
B-15 (3-4)	L1941309-17	P/M-XYLENE	9/16/2019		Y	N	U		U	1.8	0.50	ug/kg
B-15 (3-4)	L1941309-17	BROMOMETHANE	9/16/2019		Y	N	U		U	1.8	0.52	ug/kg
B-15 (3-4)	L1941309-17	ETHYL ETHER	9/16/2019		Y	N	U		U	1.8	0.30	ug/kg
B-15 (3-4)	L1941309-17	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	8.9	0.81	ug/kg
B-15 (3-4)	L1941309-17	STYRENE	9/16/2019		Y	N	U		U	0.89	0.17	ug/kg
B-15 (3-4)	L1941309-17	CHLOROMETHANE	9/16/2019		Y	N	U		U	3.6	0.83	ug/kg
B-15 (3-4)	L1941309-17	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.44	0.17	ug/kg
B-15 (3-4)	L1941309-17	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.8	0.10	ug/kg
B-15 (3-4)	L1941309-17	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.8	0.17	ug/kg
B-15 (3-4)	L1941309-17	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	0.89	0.10	ug/kg
B-15 (3-4)	L1941309-17	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.10	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (3-4)	L1941309-17	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	4.4	1.3	ug/kg
B-15 (3-4)	L1941309-17	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.89	0.16	ug/kg
B-15 (3-4)	L1941309-17	VINYL ACETATE	9/16/2019		Y	N	U		U	8.9	1.9	ug/kg
B-15 (3-4)	L1941309-17	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	3.6	0.62	ug/kg
B-15 (3-4)	L1941309-17	VINYL CHLORIDE	9/16/2019		Y	N	U		U	0.89	0.30	ug/kg
B-15 (3-4)	L1941309-17	TRICHLOROETHENE	9/16/2019		Y	N	U		U	0.44	0.12	ug/kg
B-15 (3-4)	L1941309-17	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	3.6	0.15	ug/kg
B-15 (3-4)	L1941309-17	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	94	7.0	ug/kg
B-15 (3-4)	L1941309-17	BENZENE	9/16/2019		Y	N	U		U	24	7.8	ug/kg
B-15 (3-4)	L1941309-17	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	470	60	ug/kg
B-15 (3-4)	L1941309-17	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	94	9.0	ug/kg
B-15 (3-4)	L1941309-17	2-BUTANONE	9/16/2019		Y	N	U		U	470	100	ug/kg
B-15 (3-4)	L1941309-17	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	94	9.7	ug/kg
B-15 (3-4)	L1941309-17	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	94	8.4	ug/kg
B-15 (3-4)	L1941309-17	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	47	5.9	ug/kg
B-15 (3-4)	L1941309-17	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	94	13	ug/kg
B-15 (3-4)	L1941309-17	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	24	7.5	ug/kg
B-15 (3-4)	L1941309-17	2-HEXANONE	9/16/2019		Y	N	U		U	470	56	ug/kg
B-15 (3-4)	L1941309-17	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	140	47	ug/kg
B-15 (3-4)	L1941309-17	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	94	9.1	ug/kg
B-15 (3-4)	L1941309-17	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	47	11	ug/kg
B-15 (3-4)	L1941309-17	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	94	16	ug/kg
B-15 (3-4)	L1941309-17	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	47	13	ug/kg
B-15 (3-4)	L1941309-17	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	24	6.2	ug/kg
B-15 (3-4)	L1941309-17	1,4-DIOXANE	9/16/2019		Y	N	U		U	3800	1600	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (3-4)	L1941309-17	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	24	5.1	ug/kg
B-15 (3-4)	L1941309-17	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	94	18	ug/kg
B-15 (3-4)	L1941309-17	ACRYLONITRILE	9/16/2019		Y	N	U		U	190	54	ug/kg
B-15 (3-4)	L1941309-17	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	94	15	ug/kg
B-15 (3-4)	L1941309-17	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	47	12	ug/kg
B-15 (3-4)	L1941309-17	BROMOBENZENE	9/16/2019		Y	N	U		U	94	6.8	ug/kg
B-15 (3-4)	L1941309-17	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	94	9.5	ug/kg
B-15 (3-4)	L1941309-17	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	47	6.8	ug/kg
B-15 (3-4)	L1941309-17	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	94	7.9	ug/kg
B-15 (3-4)	L1941309-17	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	94	6.8	ug/kg
B-15 (3-4)	L1941309-17	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	24	7.9	ug/kg
B-15 (3-4)	L1941309-17	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	94	6.0	ug/kg
B-15 (3-4)	L1941309-17	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	24	7.8	ug/kg
B-15 (3-4)	L1941309-17	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	94	8.1	ug/kg
B-15 (3-4)	L1941309-17	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	47	13	ug/kg
B-15 (3-4)	L1941309-17	1,2-DICHLOROETHENE (TOTAL)	9/16/2019		Y	N	U		U	47	6.5	ug/kg
B-15 (3-4)	L1941309-17	ACETONE	9/16/2019		Y	N	U		U	470	230	ug/kg
B-15 (3-4)	L1941309-17	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	24	7.4	ug/kg
B-15 (3-4)	L1941309-17	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	190	33	ug/kg
B-15 (3-4)	L1941309-17	VINYL ACETATE	9/16/2019		Y	N	U		U	470	100	ug/kg
B-15 (3-4)	L1941309-17	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	24	7.4	ug/kg
B-15 (3-4)	L1941309-17	TRICHLOROETHENE	9/16/2019		Y	N	U		U	24	6.5	ug/kg
B-15 (3-4)	L1941309-17	CHLOROETHANE	9/16/2019		Y	N	U		U	94	21	ug/kg
B-15 (3-4)	L1941309-17	CHLOROMETHANE	9/16/2019		Y	N	U		U	190	44	ug/kg
B-15 (3-4)	L1941309-17	CHLOROBENZENE	9/16/2019		Y	N	U		U	24	6.0	ug/kg

SDG: L1941309

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (3-4)	L1941309-17	DIBROMOMETHANE	9/16/2019		Y	N	U		U	94	11	ug/kg
B-15 (3-4)	L1941309-17	CHLOROFORM	9/16/2019	9.5	Y	Y	J		J	71	6.6	ug/kg
B-15 (3-4)	L1941309-17	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	47	11	ug/kg
B-15 (3-4)	L1941309-17	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	470	43	ug/kg
B-15 (3-4)	L1941309-17	NAPHTHALENE	9/16/2019		Y	N	U		U	190	31	ug/kg
B-15 (3-4)	L1941309-17	ETHYL ETHER	9/16/2019		Y	N	U		U	94	16	ug/kg
B-15 (3-4)	L1941309-17	ETHYLBENZENE	9/16/2019		Y	N	U		U	47	6.6	ug/kg
B-15 (3-4)	L1941309-17	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	240	67	ug/kg
B-15 (3-4)	L1941309-17	BROMOMETHANE	9/16/2019		Y	N	U		U	94	27	ug/kg
B-15 (3-4)	L1941309-17	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	47	13	ug/kg
B-15 (3-4)	L1941309-17	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	190	8.0	ug/kg
B-15 (3-4)	L1941309-17	TRANS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	71	6.5	ug/kg
B-15 (3-4)	L1941309-17	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	47	5.1	ug/kg
B-15 (3-4)	L1941309-17	BROMOFORM	9/16/2019		Y	N	U		U	190	12	ug/kg
B-15 (3-4)	L1941309-17	METHYL TERT BUTYL ETHER	9/16/2019		Y	N	U		U	94	9.5	ug/kg
B-15 (3-4)	L1941309-17	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	240	110	ug/kg
B-15 (3-4)	L1941309-17	CARBON DISULFIDE	9/16/2019		Y	N	U		U	470	210	ug/kg
B-15 (3-4)	L1941309-17	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	47	8.3	ug/kg
B-15 (3-4)	L1941309-17	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	94	5.1	ug/kg
B-15 (3-4)	L1941309-17	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	94	9.0	ug/kg
B-15 (3-4)	L1941309-17	O-XYLENE	9/16/2019		Y	N	U		U	47	14	ug/kg
B-15 (3-4)	L1941309-17	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	47	7.9	ug/kg
B-15 (3-4)	L1941309-17	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	47	8.1	ug/kg
B-15 (3-4)	L1941309-17	P/M-XYLENE	9/16/2019		Y	N	U		U	94	26	ug/kg
B-15 (3-4)	L1941309-17	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	47	5.1	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (3-4)	L1941309-17	TOLUENE	9/16/2019		Y	N	U		U	47	26	ug/kg
B-15 (3-4)	L1941309-17	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	24	9.2	ug/kg
B-15 (3-4)	L1941309-17	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	47	6.9	ug/kg
B-15 (3-4)	L1941309-17	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	94	5.6	ug/kg
B-15 (3-4)	L1941309-17	VINYL CHLORIDE	9/16/2019		Y	N	U		U	47	16	ug/kg
B-15 (3-4)	L1941309-17	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	47	14	ug/kg
B-15 (3-4)	L1941309-17	STYRENE	9/16/2019		Y	N	U		U	47	9.2	ug/kg
B-15 (3-4)	L1941309-17	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	47	6.6	ug/kg
B-15 (6-7)	L1941309-18	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.16	ug/kg
B-15 (6-7)	L1941309-18	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.46	0.14	ug/kg
B-15 (6-7)	L1941309-18	UNKNOWN	9/16/2019	2.55	Y	Y	J		J			
B-15 (6-7)	L1941309-18	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.29	ug/kg
B-15 (6-7)	L1941309-18	ACETONE	9/16/2019	510	Y	Y	E	J	J	9.1	4.4	ug/kg
B-15 (6-7)	L1941309-18	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.30	ug/kg
B-15 (6-7)	L1941309-18	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.91	0.22	ug/kg
B-15 (6-7)	L1941309-18	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	2.7	0.91	ug/kg
B-15 (6-7)	L1941309-18	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
B-15 (6-7)	L1941309-18	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	0.91	0.11	ug/kg
B-15 (6-7)	L1941309-18	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.91	0.13	ug/kg
B-15 (6-7)	L1941309-18	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.46	0.12	ug/kg
B-15 (6-7)	L1941309-18	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.91	0.24	ug/kg
B-15 (6-7)	L1941309-18	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.25	ug/kg
B-15 (6-7)	L1941309-18	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.17	ug/kg
B-15 (6-7)	L1941309-18	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.12	ug/kg
B-15 (6-7)	L1941309-18	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	0.91	0.26	ug/kg

SDG: L1941309

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (6-7)	L1941309-18	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.16	ug/kg
B-15 (6-7)	L1941309-18	2-BUTANONE	9/16/2019	6.6	Y	Y	J		J	9.1	2.0	ug/kg
B-15 (6-7)	L1941309-18	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.46	0.10	ug/kg
B-15 (6-7)	L1941309-18	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
B-15 (6-7)	L1941309-18	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
B-15 (6-7)	L1941309-18	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.26	Y	Y	J		J	0.91	0.12	ug/kg
B-15 (6-7)	L1941309-18	CYCLOTRISILOXANE, HEXAMETHYL-	9/16/2019	3.27	Y	Y	NJ	U	J			
B-15 (6-7)	L1941309-18	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.26	Y	Y	J		J	1.4	0.12	ug/kg
B-15 (6-7)	L1941309-18	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.46	0.14	ug/kg
B-15 (6-7)	L1941309-18	METHYL TERT BUTYL ETHER	9/16/2019	1.0	Y	Y	J		J	1.8	0.18	ug/kg
B-15 (6-7)	L1941309-18	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.8	0.19	ug/kg
B-15 (6-7)	L1941309-18	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.15	ug/kg
B-15 (6-7)	L1941309-18	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
B-15 (6-7)	L1941309-18	2-HEXANONE	9/16/2019		Y	N	U		U	9.1	1.1	ug/kg
B-15 (6-7)	L1941309-18	ISO-PROPYL ALCOHOL	9/16/2019	3.45	Y	Y	NJ		J			
B-15 (6-7)	L1941309-18	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.14	ug/kg
B-15 (6-7)	L1941309-18	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	1.8	0.35	ug/kg
B-15 (6-7)	L1941309-18	BENZENE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
B-15 (6-7)	L1941309-18	TOTAL TIC COMPOUNDS	9/16/2019	14.3	Y	Y	J		J			
B-15 (6-7)	L1941309-18	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	73	32	ug/kg
B-15 (6-7)	L1941309-18	SILANOL, TRIMETHYL-	9/16/2019	5.05	Y	Y	NJ		J			
B-15 (6-7)	L1941309-18	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.91	0.24	ug/kg
B-15 (6-7)	L1941309-18	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
B-15 (6-7)	L1941309-18	BROMOBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
B-15 (6-7)	L1941309-18	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	9.1	1.2	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (6-7)	L1941309-18	ACRYLONITRILE	9/16/2019		Y	N	U		U	3.6	1.0	ug/kg
B-15 (6-7)	L1941309-18	ETHYLBENZENE	9/16/2019		Y	N	U		U	0.91	0.13	ug/kg
B-15 (6-7)	L1941309-18	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.46	0.18	ug/kg
B-15 (6-7)	L1941309-18	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.46	0.12	ug/kg
B-15 (6-7)	L1941309-18	BROMOFORM	9/16/2019		Y	N	U		U	3.6	0.22	ug/kg
B-15 (6-7)	L1941309-18	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	0.91	0.27	ug/kg
B-15 (6-7)	L1941309-18	CHLOROETHANE	9/16/2019		Y	N	U		U	1.8	0.41	ug/kg
B-15 (6-7)	L1941309-18	CHLOROFORM	9/16/2019		Y	N	U		U	1.4	0.13	ug/kg
B-15 (6-7)	L1941309-18	VINYL CHLORIDE	9/16/2019		Y	N	U		U	0.91	0.31	ug/kg
B-15 (6-7)	L1941309-18	VINYL ACETATE	9/16/2019		Y	N	U		U	9.1	2.0	ug/kg
B-15 (6-7)	L1941309-18	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	4.6	1.3	ug/kg
B-15 (6-7)	L1941309-18	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	3.6	0.15	ug/kg
B-15 (6-7)	L1941309-18	CHLOROMETHANE	9/16/2019		Y	N	U		U	3.6	0.85	ug/kg
B-15 (6-7)	L1941309-18	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.91	0.16	ug/kg
B-15 (6-7)	L1941309-18	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.8	0.10	ug/kg
B-15 (6-7)	L1941309-18	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.11	ug/kg
B-15 (6-7)	L1941309-18	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	0.91	0.10	ug/kg
B-15 (6-7)	L1941309-18	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	3.6	0.64	ug/kg
B-15 (6-7)	L1941309-18	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	0.91	0.10	ug/kg
B-15 (6-7)	L1941309-18	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.8	0.17	ug/kg
B-15 (6-7)	L1941309-18	DIBROMOMETHANE	9/16/2019		Y	N	U		U	1.8	0.22	ug/kg
B-15 (6-7)	L1941309-18	P/M-XYLENE	9/16/2019		Y	N	U		U	1.8	0.51	ug/kg
B-15 (6-7)	L1941309-18	TRICHLOROETHENE	9/16/2019		Y	N	U		U	0.46	0.12	ug/kg
B-15 (6-7)	L1941309-18	NAPHTHALENE	9/16/2019		Y	N	U		U	3.6	0.59	ug/kg
B-15 (6-7)	L1941309-18	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	9.1	0.84	ug/kg

SDG: L1941309

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (6-7)	L1941309-18	STYRENE	9/16/2019		Y	N	U		U	0.91	0.18	ug/kg
B-15 (6-7)	L1941309-18	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.91	0.13	ug/kg
B-15 (6-7)	L1941309-18	BROMOMETHANE	9/16/2019		Y	N	U		U	1.8	0.53	ug/kg
B-15 (6-7)	L1941309-18	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	0.91	0.13	ug/kg
B-15 (6-7)	L1941309-18	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	4.6	2.1	ug/kg
B-15 (6-7)	L1941309-18	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	0.91	0.21	ug/kg
B-15 (6-7)	L1941309-18	TOLUENE	9/16/2019		Y	N	U		U	0.91	0.50	ug/kg
B-15 (6-7)	L1941309-18	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.46	0.14	ug/kg
B-15 (6-7)	L1941309-18	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.91	0.15	ug/kg
B-15 (6-7)	L1941309-18	CARBON DISULFIDE	9/16/2019		Y	N	U		U	9.1	4.2	ug/kg
B-15 (6-7)	L1941309-18	ETHYL ETHER	9/16/2019		Y	N	U		U	1.8	0.31	ug/kg
B-15 (6-7)	L1941309-18	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	0.91	0.16	ug/kg
B-15 (6-7)	L1941309-18	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.91	0.25	ug/kg
B-15 (6-7)	L1941309-18	O-XYLENE	9/16/2019		Y	N	U		U	0.91	0.27	ug/kg
B-15 (6-7)	L1941309-18	ACETONE	9/16/2019		Y	N	U		U	530	260	ug/kg
B-15 (6-7)	L1941309-18	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	110	9.1	ug/kg
B-15 (6-7)	L1941309-18	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	27	8.4	ug/kg
B-15 (6-7)	L1941309-18	BENZENE	9/16/2019		Y	N	U		U	27	8.8	ug/kg
B-15 (6-7)	L1941309-18	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	53	7.7	ug/kg
B-15 (6-7)	L1941309-18	2-HEXANONE	9/16/2019		Y	N	U		U	530	63	ug/kg
B-15 (6-7)	L1941309-18	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	53	14	ug/kg
B-15 (6-7)	L1941309-18	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	110	17	ug/kg
B-15 (6-7)	L1941309-18	ACRYLONITRILE	9/16/2019		Y	N	U		U	210	61	ug/kg
B-15 (6-7)	L1941309-18	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	110	11	ug/kg
B-15 (6-7)	L1941309-18	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	53	15	ug/kg

SDG: L1941309

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (6-7)	L1941309-18	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	110	7.7	ug/kg
B-15 (6-7)	L1941309-18	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	27	8.8	ug/kg
B-15 (6-7)	L1941309-18	2-BUTANONE	9/16/2019		Y	N	U		U	530	120	ug/kg
B-15 (6-7)	L1941309-18	TOTAL TIC COMPOUNDS	9/16/2019	232	Y	Y	J		J			
B-15 (6-7)	L1941309-18	BROMOBENZENE	9/16/2019		Y	N	U		U	110	7.7	ug/kg
B-15 (6-7)	L1941309-18	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	110	14	ug/kg
B-15 (6-7)	L1941309-18	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	110	10	ug/kg
B-15 (6-7)	L1941309-18	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	27	5.8	ug/kg
B-15 (6-7)	L1941309-18	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	110	18	ug/kg
B-15 (6-7)	L1941309-18	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	27	7.0	ug/kg
B-15 (6-7)	L1941309-18	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	110	9.4	ug/kg
B-15 (6-7)	L1941309-18	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	110	11	ug/kg
B-15 (6-7)	L1941309-18	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	53	14	ug/kg
B-15 (6-7)	L1941309-18	1,4-DIOXANE	9/16/2019		Y	N	U		U	4200	1900	ug/kg
B-15 (6-7)	L1941309-18	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	110	7.9	ug/kg
B-15 (6-7)	L1941309-18	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	27	8.9	ug/kg
B-15 (6-7)	L1941309-18	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	53	6.6	ug/kg
B-15 (6-7)	L1941309-18	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	160	53	ug/kg
B-15 (6-7)	L1941309-18	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	110	6.8	ug/kg
B-15 (6-7)	L1941309-18	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	27	8.4	ug/kg
B-15 (6-7)	L1941309-18	1,2-DICHLOROETHENE (TOTAL)	9/16/2019		Y	N	U		U	53	7.3	ug/kg
B-15 (6-7)	L1941309-18	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	530	68	ug/kg
B-15 (6-7)	L1941309-18	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	110	20	ug/kg
B-15 (6-7)	L1941309-18	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	110	8.9	ug/kg
B-15 (6-7)	L1941309-18	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	53	13	ug/kg

SDG: L1941309

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (6-7)	L1941309-18	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	110	10	ug/kg
B-15 (6-7)	L1941309-18	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	53	14	ug/kg
B-15 (6-7)	L1941309-18	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	53	5.8	ug/kg
B-15 (6-7)	L1941309-18	DIBROMOMETHANE	9/16/2019		Y	N	U		U	110	13	ug/kg
B-15 (6-7)	L1941309-18	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	110	10	ug/kg
B-15 (6-7)	L1941309-18	UNKNOWN	9/16/2019	232	Y	Y	J		J			
B-15 (6-7)	L1941309-18	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	53	7.4	ug/kg
B-15 (6-7)	L1941309-18	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	53	9.1	ug/kg
B-15 (6-7)	L1941309-18	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	53	15	ug/kg
B-15 (6-7)	L1941309-18	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	27	8.4	ug/kg
B-15 (6-7)	L1941309-18	TRANS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	80	7.3	ug/kg
B-15 (6-7)	L1941309-18	VINYL CHLORIDE	9/16/2019		Y	N	U		U	53	18	ug/kg
B-15 (6-7)	L1941309-18	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	53	9.3	ug/kg
B-15 (6-7)	L1941309-18	VINYL ACETATE	9/16/2019		Y	N	U		U	530	110	ug/kg
B-15 (6-7)	L1941309-18	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	53	7.8	ug/kg
B-15 (6-7)	L1941309-18	ETHYLBENZENE	9/16/2019		Y	N	U		U	53	7.5	ug/kg
B-15 (6-7)	L1941309-18	TRICHLOROETHENE	9/16/2019		Y	N	U		U	27	7.3	ug/kg
B-15 (6-7)	L1941309-18	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	110	5.7	ug/kg
B-15 (6-7)	L1941309-18	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	210	37	ug/kg
B-15 (6-7)	L1941309-18	ETHYL ETHER	9/16/2019		Y	N	U		U	110	18	ug/kg
B-15 (6-7)	L1941309-18	NAPHTHALENE	9/16/2019		Y	N	U		U	210	34	ug/kg
B-15 (6-7)	L1941309-18	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	270	120	ug/kg
B-15 (6-7)	L1941309-18	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	270	76	ug/kg
B-15 (6-7)	L1941309-18	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	53	8.9	ug/kg
B-15 (6-7)	L1941309-18	O-XYLENE	9/16/2019		Y	N	U		U	53	15	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (6-7)	L1941309-18	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	210	9.0	ug/kg
B-15 (6-7)	L1941309-18	P/M-XYLENE	9/16/2019		Y	N	U		U	110	30	ug/kg
B-15 (6-7)	L1941309-18	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	53	5.8	ug/kg
B-15 (6-7)	L1941309-18	METHYL TERT BUTYL ETHER	9/16/2019		Y	N	U		U	110	11	ug/kg
B-15 (6-7)	L1941309-18	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	530	49	ug/kg
B-15 (6-7)	L1941309-18	CHLOROBENZENE	9/16/2019		Y	N	U		U	27	6.8	ug/kg
B-15 (6-7)	L1941309-18	CARBON DISULFIDE	9/16/2019		Y	N	U		U	530	240	ug/kg
B-15 (6-7)	L1941309-18	BROMOMETHANE	9/16/2019		Y	N	U		U	110	31	ug/kg
B-15 (6-7)	L1941309-18	TOLUENE	9/16/2019		Y	N	U		U	53	29	ug/kg
B-15 (6-7)	L1941309-18	STYRENE	9/16/2019		Y	N	U		U	53	10	ug/kg
B-15 (6-7)	L1941309-18	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	110	6.3	ug/kg
B-15 (6-7)	L1941309-18	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	53	12	ug/kg
B-15 (6-7)	L1941309-18	CHLOROETHANE	9/16/2019		Y	N	U		U	110	24	ug/kg
B-15 (6-7)	L1941309-18	CHLOROFORM	9/16/2019	8.7	Y	Y	J		J	80	7.4	ug/kg
B-15 (6-7)	L1941309-18	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	27	10	ug/kg
B-15 (6-7)	L1941309-18	BROMOFORM	9/16/2019		Y	N	U		U	210	13	ug/kg
B-15 (6-7)	L1941309-18	CHLOROMETHANE	9/16/2019		Y	N	U		U	210	50	ug/kg
B-16 (3-4)	L1941309-04	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	93	9.5	ug/kg
B-16 (3-4)	L1941309-04	BENZENE	9/16/2019		Y	N	U		U	23	7.7	ug/kg
B-16 (3-4)	L1941309-04	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	93	7.9	ug/kg
B-16 (3-4)	L1941309-04	BROMOMETHANE	9/16/2019		Y	N	U		U	93	27	ug/kg
B-16 (3-4)	L1941309-04	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	93	6.7	ug/kg
B-16 (3-4)	L1941309-04	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	23	7.7	ug/kg
B-16 (3-4)	L1941309-04	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	46	13	ug/kg
B-16 (3-4)	L1941309-04	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	93	5.9	ug/kg

SDG: L1941309

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (3-4)	L1941309-04	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	23	6.1	ug/kg
B-16 (3-4)	L1941309-04	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	93	9.4	ug/kg
B-16 (3-4)	L1941309-04	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	93	13	ug/kg
B-16 (3-4)	L1941309-04	ACRYLONITRILE	9/16/2019		Y	N	U		U	180	53	ug/kg
B-16 (3-4)	L1941309-04	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	23	7.4	ug/kg
B-16 (3-4)	L1941309-04	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	93	9.0	ug/kg
B-16 (3-4)	L1941309-04	CARBON DISULFIDE	9/16/2019		Y	N	U		U	460	210	ug/kg
B-16 (3-4)	L1941309-04	BROMOFORM	9/16/2019		Y	N	U		U	180	11	ug/kg
B-16 (3-4)	L1941309-04	BROMOBENZENE	9/16/2019		Y	N	U		U	93	6.7	ug/kg
B-16 (3-4)	L1941309-04	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	93	15	ug/kg
B-16 (3-4)	L1941309-04	2-BUTANONE	9/16/2019		Y	N	U		U	460	100	ug/kg
B-16 (3-4)	L1941309-04	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	93	8.2	ug/kg
B-16 (3-4)	L1941309-04	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	46	12	ug/kg
B-16 (3-4)	L1941309-04	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	93	8.9	ug/kg
B-16 (3-4)	L1941309-04	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	23	7.3	ug/kg
B-16 (3-4)	L1941309-04	2-HEXANONE	9/16/2019		Y	N	U		U	460	55	ug/kg
B-16 (3-4)	L1941309-04	TOTAL TIC COMPOUNDS	9/16/2019	117	Y	Y	J		J			
B-16 (3-4)	L1941309-04	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	46	6.7	ug/kg
B-16 (3-4)	L1941309-04	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	3700	1600	ug/kg
B-16 (3-4)	L1941309-04	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	93	15	ug/kg
B-16 (3-4)	L1941309-04	CHLOROFORM	9/16/2019		Y	N	U		U	70	6.5	ug/kg
B-16 (3-4)	L1941309-04	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	46	11	ug/kg
B-16 (3-4)	L1941309-04	ACETONE	9/16/2019		Y	N	U	UJ	UJ	460	220	ug/kg
B-16 (3-4)	L1941309-04	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	23	5.0	ug/kg
B-16 (3-4)	L1941309-04	1,2-DICHLOROETHENE (TOTAL)	9/16/2019		Y	N	U		U	46	6.4	ug/kg

SDG: L1941309

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (3-4)	L1941309-04	CHLOROMETHANE	9/16/2019		Y	N	U		U	180	43	ug/kg
B-16 (3-4)	L1941309-04	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	46	11	ug/kg
B-16 (3-4)	L1941309-04	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	140	46	ug/kg
B-16 (3-4)	L1941309-04	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	460	59	ug/kg
B-16 (3-4)	L1941309-04	CHLOROBENZENE	9/16/2019		Y	N	U		U	23	5.9	ug/kg
B-16 (3-4)	L1941309-04	CYCLOTRISILOXANE, HEXAMETHYL-	9/16/2019	117	Y	Y	NJ	U	J			
B-16 (3-4)	L1941309-04	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	93	18	ug/kg
B-16 (3-4)	L1941309-04	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	93	6.9	ug/kg
B-16 (3-4)	L1941309-04	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	46	5.8	ug/kg
B-16 (3-4)	L1941309-04	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	46	12	ug/kg
B-16 (3-4)	L1941309-04	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	93	7.7	ug/kg
B-16 (3-4)	L1941309-04	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	46	6.5	ug/kg
B-16 (3-4)	L1941309-04	TOLUENE	9/16/2019		Y	N	U		U	46	25	ug/kg
B-16 (3-4)	L1941309-04	METHYL TERT BUTYL ETHER	9/16/2019		Y	N	U		U	93	9.3	ug/kg
B-16 (3-4)	L1941309-04	TRANS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	70	6.4	ug/kg
B-16 (3-4)	L1941309-04	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	460	42	ug/kg
B-16 (3-4)	L1941309-04	CHLOROETHANE	9/16/2019		Y	N	U		U	93	21	ug/kg
B-16 (3-4)	L1941309-04	O-XYLENE	9/16/2019		Y	N	U		U	46	14	ug/kg
B-16 (3-4)	L1941309-04	NAPHTHALENE	9/16/2019		Y	N	U		U	180	30	ug/kg
B-16 (3-4)	L1941309-04	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	46	7.9	ug/kg
B-16 (3-4)	L1941309-04	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	23	9.1	ug/kg
B-16 (3-4)	L1941309-04	ETHYL ETHER	9/16/2019		Y	N	U		U	93	16	ug/kg
B-16 (3-4)	L1941309-04	VINYL ACETATE	9/16/2019		Y	N	U		U	460	100	ug/kg
B-16 (3-4)	L1941309-04	P/M-XYLENE	9/16/2019		Y	N	U		U	93	26	ug/kg
B-16 (3-4)	L1941309-04	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	46	7.7	ug/kg

SDG: L1941309

Analytical Method	SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (3-4)	L1941309-04	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	180	7.8	ug/kg
B-16 (3-4)	L1941309-04	1,1,1-TRICHLOROETHANE	9/16/2019	81	Y	Y				23	7.7	ug/kg
B-16 (3-4)	L1941309-04	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	93	5.5	ug/kg
B-16 (3-4)	L1941309-04	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	46	13	ug/kg
B-16 (3-4)	L1941309-04	ETHYLBENZENE	9/16/2019		Y	N	U		U	46	6.5	ug/kg
B-16 (3-4)	L1941309-04	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	46	5.0	ug/kg
B-16 (3-4)	L1941309-04	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	230	66	ug/kg
B-16 (3-4)	L1941309-04	DIBROMOMETHANE	9/16/2019		Y	N	U		U	93	11	ug/kg
B-16 (3-4)	L1941309-04	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	46	5.0	ug/kg
B-16 (3-4)	L1941309-04	STYRENE	9/16/2019		Y	N	U		U	46	9.1	ug/kg
B-16 (3-4)	L1941309-04	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	230	110	ug/kg
B-16 (3-4)	L1941309-04	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	46	14	ug/kg
B-16 (3-4)	L1941309-04	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	46	6.8	ug/kg
B-16 (3-4)	L1941309-04	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	93	5.0	ug/kg
B-16 (3-4)	L1941309-04	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	23	7.3	ug/kg
B-16 (3-4)	L1941309-04	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	93	8.9	ug/kg
B-16 (3-4)	L1941309-04	TRICHLOROETHENE	9/16/2019	1500	Y	Y				23	6.4	ug/kg
B-16 (3-4)	L1941309-04	VINYL CHLORIDE	9/16/2019		Y	N	U		U	46	16	ug/kg
B-16 (3-4)	L1941309-04	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	46	8.1	ug/kg
B-16 (3-4)	L1941309-04	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	180	32	ug/kg
B-16 (7-8)	L1941309-05	1,1,2-TRICHLOROETHANE	9/15/2019		Y	N	U		U	0.96	0.26	ug/kg
B-16 (7-8)	L1941309-05	1,1-DICHLOROPROPENE	9/15/2019		Y	N	U		U	0.48	0.15	ug/kg
B-16 (7-8)	L1941309-05	1,1,2,2-TETRACHLOROETHANE	9/15/2019		Y	N	U		U	0.48	0.16	ug/kg
B-16 (7-8)	L1941309-05	1,2-DICHLOROETHENE (TOTAL)	9/15/2019	0.85	Y	Y	J		J	0.96	0.13	ug/kg
B-16 (7-8)	L1941309-05	1,2,4,5-TETRAMETHYLBENZENE	9/15/2019		Y	N	U		U	1.9	0.18	ug/kg

SDG: L1941309

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (7-8)	L1941309-05	1,1,1,2-TETRACHLOROETHANE	9/15/2019		Y	N	U		U	0.48	0.13	ug/kg
B-16 (7-8)	L1941309-05	1,2,4-TRICHLOROBENZENE	9/15/2019		Y	N	U		U	1.9	0.26	ug/kg
B-16 (7-8)	L1941309-05	2-BUTANONE	9/15/2019	5.4	Y	Y	J		J	9.6	2.1	ug/kg
B-16 (7-8)	L1941309-05	CIS-1,2-DICHLOROETHENE	9/15/2019	0.30	Y	Y	J		J	0.96	0.17	ug/kg
B-16 (7-8)	L1941309-05	1,2,4-TRIMETHYLBENZENE	9/15/2019		Y	N	U		U	1.9	0.32	ug/kg
B-16 (7-8)	L1941309-05	ACETONE	9/15/2019	450	Y	Y	E	J	J	9.6	4.6	ug/kg
B-16 (7-8)	L1941309-05	METHYL TERT BUTYL ETHER	9/15/2019	0.67	Y	Y	J		J	1.9	0.19	ug/kg
B-16 (7-8)	L1941309-05	1,4-DIOXANE	9/15/2019		Y	N	U	UJ	UJ	77	34	ug/kg
B-16 (7-8)	L1941309-05	1,2-DIBROMOETHANE	9/15/2019		Y	N	U		U	0.96	0.27	ug/kg
B-16 (7-8)	L1941309-05	BROMOBENZENE	9/15/2019		Y	N	U		U	1.9	0.14	ug/kg
B-16 (7-8)	L1941309-05	TRANS-1,2-DICHLOROETHENE	9/15/2019	0.55	Y	Y	J		J	1.4	0.13	ug/kg
B-16 (7-8)	L1941309-05	1,2-DICHLOROBENZENE	9/15/2019		Y	N	U		U	1.9	0.14	ug/kg
B-16 (7-8)	L1941309-05	1,2-DICHLOROETHANE	9/15/2019		Y	N	U		U	0.96	0.25	ug/kg
B-16 (7-8)	L1941309-05	1,2-DICHLOROPROPANE	9/15/2019		Y	N	U		U	0.96	0.12	ug/kg
B-16 (7-8)	L1941309-05	1,1-DICHLOROETHENE	9/15/2019	0.26	Y	Y	J		J	0.96	0.23	ug/kg
B-16 (7-8)	L1941309-05	1,4-DIETHYLBENZENE	9/15/2019		Y	N	U		U	1.9	0.17	ug/kg
B-16 (7-8)	L1941309-05	1,1-DICHLOROETHANE	9/15/2019	0.38	Y	Y	J		J	0.96	0.14	ug/kg
B-16 (7-8)	L1941309-05	2,2-DICHLOROPROPANE	9/15/2019		Y	N	U		U	1.9	0.19	ug/kg
B-16 (7-8)	L1941309-05	1,2-DIBROMO-3-CHLOROPROPANE	9/15/2019		Y	N	U		U	2.9	0.96	ug/kg
B-16 (7-8)	L1941309-05	1,3,5-TRIMETHYLBENZENE	9/15/2019		Y	N	U		U	1.9	0.18	ug/kg
B-16 (7-8)	L1941309-05	BENZENE	9/15/2019		Y	N	U		U	0.48	0.16	ug/kg
B-16 (7-8)	L1941309-05	BROMOCHLOROMETHANE	9/15/2019		Y	N	U		U	1.9	0.20	ug/kg
B-16 (7-8)	L1941309-05	ACRYLONITRILE	9/15/2019		Y	N	U		U	3.8	1.1	ug/kg
B-16 (7-8)	L1941309-05	1,4-DICHLOROBENZENE	9/15/2019		Y	N	U		U	1.9	0.16	ug/kg
B-16 (7-8)	L1941309-05	1,3-DICHLOROPROPENE, TOTAL	9/15/2019		Y	N	U		U	0.48	0.15	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (7-8)	L1941309-05	1,3-DICHLOROPROPANE	9/15/2019		Y	N	U		U	1.9	0.16	ug/kg
B-16 (7-8)	L1941309-05	1,3-DICHLOROBENZENE	9/15/2019		Y	N	U		U	1.9	0.14	ug/kg
B-16 (7-8)	L1941309-05	1,2,3-TRICHLOROPROPANE	9/15/2019		Y	N	U		U	1.9	0.12	ug/kg
B-16 (7-8)	L1941309-05	1,2,3-TRICHLOROBENZENE	9/15/2019		Y	N	U		U	1.9	0.31	ug/kg
B-16 (7-8)	L1941309-05	4-METHYL-2-PENTANONE	9/15/2019		Y	N	U		U	9.6	1.2	ug/kg
B-16 (7-8)	L1941309-05	CHLOROFORM	9/15/2019	0.25	Y	Y	J		J	1.4	0.13	ug/kg
B-16 (7-8)	L1941309-05	2-HEXANONE	9/15/2019		Y	N	U		U	9.6	1.1	ug/kg
B-16 (7-8)	L1941309-05	4-ETHYLTOLUENE	9/15/2019		Y	N	U		U	1.9	0.37	ug/kg
B-16 (7-8)	L1941309-05	BROMODICHLOROMETHANE	9/15/2019		Y	N	U		U	0.48	0.10	ug/kg
B-16 (7-8)	L1941309-05	P/M-XYLENE	9/15/2019		Y	N	U		U	1.9	0.54	ug/kg
B-16 (7-8)	L1941309-05	BROMOMETHANE	9/15/2019		Y	N	U		U	1.9	0.56	ug/kg
B-16 (7-8)	L1941309-05	STYRENE	9/15/2019		Y	N	U		U	0.96	0.19	ug/kg
B-16 (7-8)	L1941309-05	CHLOROMETHANE	9/15/2019		Y	N	U	UJ	UJ	3.8	0.89	ug/kg
B-16 (7-8)	L1941309-05	ETHYLBENZENE	9/15/2019		Y	N	U		U	0.96	0.14	ug/kg
B-16 (7-8)	L1941309-05	P-CHLOROTOLUENE	9/15/2019		Y	N	U		U	1.9	0.10	ug/kg
B-16 (7-8)	L1941309-05	BROMOFORM	9/15/2019		Y	N	U		U	3.8	0.24	ug/kg
B-16 (7-8)	L1941309-05	DICHLORODIFLUOROMETHANE	9/15/2019		Y	N	U		U	9.6	0.88	ug/kg
B-16 (7-8)	L1941309-05	1,1,1-TRICHLOROETHANE	9/15/2019	8.9	Y	Y				0.48	0.16	ug/kg
B-16 (7-8)	L1941309-05	SEC-BUTYLBENZENE	9/15/2019		Y	N	U		U	0.96	0.14	ug/kg
B-16 (7-8)	L1941309-05	HEXACHLOROBUTADIENE	9/15/2019		Y	N	U		U	3.8	0.16	ug/kg
B-16 (7-8)	L1941309-05	TETRACHLOROETHENE	9/15/2019	0.55	Y	Y				0.48	0.19	ug/kg
B-16 (7-8)	L1941309-05	ETHYL ETHER	9/15/2019		Y	N	U		U	1.9	0.33	ug/kg
B-16 (7-8)	L1941309-05	TRANS-1,3-DICHLOROPROPENE	9/15/2019		Y	N	U		U	0.96	0.26	ug/kg
B-16 (7-8)	L1941309-05	TRANS-1,4-DICHLORO-2-BUTENE	9/15/2019		Y	N	U		U	4.8	1.4	ug/kg
B-16 (7-8)	L1941309-05	TRICHLOROETHENE	9/15/2019	230	Y	Y				0.48	0.13	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (7-8)	L1941309-05	TRICHLOROFLUOROMETHANE	9/15/2019		Y	N	U		U	3.8	0.67	ug/kg
B-16 (7-8)	L1941309-05	P-ISOPROPYLTOLUENE	9/15/2019		Y	N	U		U	0.96	0.10	ug/kg
B-16 (7-8)	L1941309-05	METHYLENE CHLORIDE	9/15/2019		Y	N	U		U	4.8	2.2	ug/kg
B-16 (7-8)	L1941309-05	NAPHTHALENE	9/15/2019		Y	N	U		U	3.8	0.62	ug/kg
B-16 (7-8)	L1941309-05	N-PROPYLBENZENE	9/15/2019		Y	N	U		U	0.96	0.16	ug/kg
B-16 (7-8)	L1941309-05	TERT-BUTYLBENZENE	9/15/2019		Y	N	U		U	1.9	0.11	ug/kg
B-16 (7-8)	L1941309-05	CARBON TETRACHLORIDE	9/15/2019		Y	N	U		U	0.96	0.22	ug/kg
B-16 (7-8)	L1941309-05	ISOPROPYLBENZENE	9/15/2019		Y	N	U		U	0.96	0.10	ug/kg
B-16 (7-8)	L1941309-05	N-BUTYLBENZENE	9/15/2019		Y	N	U		U	0.96	0.16	ug/kg
B-16 (7-8)	L1941309-05	TOLUENE	9/15/2019		Y	N	U		U	0.96	0.52	ug/kg
B-16 (7-8)	L1941309-05	CIS-1,3-DICHLOROPROPENE	9/15/2019		Y	N	U		U	0.48	0.15	ug/kg
B-16 (7-8)	L1941309-05	O-XYLENE	9/15/2019		Y	N	U		U	0.96	0.28	ug/kg
B-16 (7-8)	L1941309-05	VINYL ACETATE	9/15/2019		Y	N	U		U	9.6	2.1	ug/kg
B-16 (7-8)	L1941309-05	DIBROMOCHLOROMETHANE	9/15/2019		Y	N	U		U	0.96	0.13	ug/kg
B-16 (7-8)	L1941309-05	CARBON DISULFIDE	9/15/2019		Y	N	U		U	9.6	4.4	ug/kg
B-16 (7-8)	L1941309-05	DIBROMOMETHANE	9/15/2019		Y	N	U		U	1.9	0.23	ug/kg
B-16 (7-8)	L1941309-05	VINYL CHLORIDE	9/15/2019		Y	N	U		U	0.96	0.32	ug/kg
B-16 (7-8)	L1941309-05	CHLOROETHANE	9/15/2019		Y	N	U		U	1.9	0.43	ug/kg
B-16 (7-8)	L1941309-05	XYLENE (TOTAL)	9/15/2019		Y	N	U		U	0.96	0.28	ug/kg
B-16 (7-8)	L1941309-05	O-CHLOROTOLUENE	9/15/2019		Y	N	U		U	1.9	0.18	ug/kg
B-16 (7-8)	L1941309-05	CHLOROBENZENE	9/15/2019		Y	N	U		U	0.48	0.12	ug/kg
B-16 (7-8)	L1941309-05	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	49	12	ug/kg
B-16 (7-8)	L1941309-05	2-BUTANONE	9/16/2019		Y	N	U		U	490	110	ug/kg
B-16 (7-8)	L1941309-05	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	25	7.8	ug/kg
B-16 (7-8)	L1941309-05	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	98	13	ug/kg

SDG: L1941309

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (7-8)	L1941309-05	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	98	6.2	ug/kg
B-16 (7-8)	L1941309-05	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	49	7.1	ug/kg
B-16 (7-8)	L1941309-05	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	98	9.4	ug/kg
B-16 (7-8)	L1941309-05	TOTAL TIC COMPOUNDS	9/16/2019	145	Y	Y	J		J			
B-16 (7-8)	L1941309-05	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	98	16	ug/kg
B-16 (7-8)	L1941309-05	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	98	9.9	ug/kg
B-16 (7-8)	L1941309-05	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	98	16	ug/kg
B-16 (7-8)	L1941309-05	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	49	14	ug/kg
B-16 (7-8)	L1941309-05	BROMOBENZENE	9/16/2019		Y	N	U		U	98	7.1	ug/kg
B-16 (7-8)	L1941309-05	1,2-DICHLOROETHENE (TOTAL)	9/16/2019		Y	N	U		U	49	6.7	ug/kg
B-16 (7-8)	L1941309-05	2-HEXANONE	9/16/2019		Y	N	U		U	490	58	ug/kg
B-16 (7-8)	L1941309-05	ACRYLONITRILE	9/16/2019		Y	N	U		U	200	57	ug/kg
B-16 (7-8)	L1941309-05	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	25	5.4	ug/kg
B-16 (7-8)	L1941309-05	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	49	13	ug/kg
B-16 (7-8)	L1941309-05	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	25	8.2	ug/kg
B-16 (7-8)	L1941309-05	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	98	8.4	ug/kg
B-16 (7-8)	L1941309-05	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	98	7.1	ug/kg
B-16 (7-8)	L1941309-05	ACETONE	9/16/2019		Y	N	U		U	490	240	ug/kg
B-16 (7-8)	L1941309-05	BENZENE	9/16/2019		Y	N	U		U	25	8.2	ug/kg
B-16 (7-8)	L1941309-05	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	98	10	ug/kg
B-16 (7-8)	L1941309-05	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	49	13	ug/kg
B-16 (7-8)	L1941309-05	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	49	6.2	ug/kg
B-16 (7-8)	L1941309-05	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	98	8.7	ug/kg
B-16 (7-8)	L1941309-05	1,1,1-TRICHLOROETHANE	9/16/2019	36	Y	Y				25	8.2	ug/kg
B-16 (7-8)	L1941309-05	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	150	49	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (7-8)	L1941309-05	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	490	63	ug/kg
B-16 (7-8)	L1941309-05	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	98	8.2	ug/kg
B-16 (7-8)	L1941309-05	1,4-DIOXANE	9/16/2019		Y	N	U		U	3900	1700	ug/kg
B-16 (7-8)	L1941309-05	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	25	6.5	ug/kg
B-16 (7-8)	L1941309-05	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	98	19	ug/kg
B-16 (7-8)	L1941309-05	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	98	9.5	ug/kg
B-16 (7-8)	L1941309-05	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	98	7.3	ug/kg
B-16 (7-8)	L1941309-05	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	25	7.8	ug/kg
B-16 (7-8)	L1941309-05	ETHYL ETHER	9/16/2019		Y	N	U		U	98	17	ug/kg
B-16 (7-8)	L1941309-05	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	49	8.4	ug/kg
B-16 (7-8)	L1941309-05	TOLUENE	9/16/2019		Y	N	U		U	49	27	ug/kg
B-16 (7-8)	L1941309-05	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	98	5.8	ug/kg
B-16 (7-8)	L1941309-05	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	98	9.4	ug/kg
B-16 (7-8)	L1941309-05	UNKNOWN	9/16/2019	145	Y	Y	J		J			
B-16 (7-8)	L1941309-05	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	49	11	ug/kg
B-16 (7-8)	L1941309-05	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	49	5.4	ug/kg
B-16 (7-8)	L1941309-05	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	490	45	ug/kg
B-16 (7-8)	L1941309-05	CHLOROBENZENE	9/16/2019		Y	N	U		U	25	6.2	ug/kg
B-16 (7-8)	L1941309-05	CHLOROFORM	9/16/2019	11	Y	Y	J		J	74	6.9	ug/kg
B-16 (7-8)	L1941309-05	CHLOROMETHANE	9/16/2019		Y	N	U		U	200	46	ug/kg
B-16 (7-8)	L1941309-05	DIBROMOMETHANE	9/16/2019		Y	N	U		U	98	12	ug/kg
B-16 (7-8)	L1941309-05	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	49	7.2	ug/kg
B-16 (7-8)	L1941309-05	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	25	9.6	ug/kg
B-16 (7-8)	L1941309-05	CHLOROETHANE	9/16/2019		Y	N	U		U	98	22	ug/kg
B-16 (7-8)	L1941309-05	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	98	5.3	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (7-8)	L1941309-05	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	25	7.8	ug/kg
B-16 (7-8)	L1941309-05	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	49	14	ug/kg
B-16 (7-8)	L1941309-05	P/M-XYLENE	9/16/2019		Y	N	U		U	98	28	ug/kg
B-16 (7-8)	L1941309-05	O-XYLENE	9/16/2019		Y	N	U		U	49	14	ug/kg
B-16 (7-8)	L1941309-05	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	49	5.4	ug/kg
B-16 (7-8)	L1941309-05	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	49	13	ug/kg
B-16 (7-8)	L1941309-05	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	250	70	ug/kg
B-16 (7-8)	L1941309-05	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	49	8.2	ug/kg
B-16 (7-8)	L1941309-05	TRICHLOROETHENE	9/16/2019	550	Y	Y				25	6.7	ug/kg
B-16 (7-8)	L1941309-05	NAPHTHALENE	9/16/2019		Y	N	U		U	200	32	ug/kg
B-16 (7-8)	L1941309-05	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	250	110	ug/kg
B-16 (7-8)	L1941309-05	BROMOFORM	9/16/2019		Y	N	U		U	200	12	ug/kg
B-16 (7-8)	L1941309-05	VINYL ACETATE	9/16/2019		Y	N	U		U	490	100	ug/kg
B-16 (7-8)	L1941309-05	CARBON DISULFIDE	9/16/2019		Y	N	U		U	490	220	ug/kg
B-16 (7-8)	L1941309-05	BROMOMETHANE	9/16/2019		Y	N	U		U	98	29	ug/kg
B-16 (7-8)	L1941309-05	ETHYLBENZENE	9/16/2019		Y	N	U		U	49	6.9	ug/kg
B-16 (7-8)	L1941309-05	STYRENE	9/16/2019		Y	N	U		U	49	9.6	ug/kg
B-16 (7-8)	L1941309-05	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	49	6.9	ug/kg
B-16 (7-8)	L1941309-05	TRANS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	74	6.7	ug/kg
B-16 (7-8)	L1941309-05	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	200	8.3	ug/kg
B-16 (7-8)	L1941309-05	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	200	34	ug/kg
B-16 (7-8)	L1941309-05	VINYL CHLORIDE	9/16/2019		Y	N	U		U	49	16	ug/kg
B-16 (7-8)	L1941309-05	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	49	8.6	ug/kg
B-16 (7-8)	L1941309-05	METHYL TERT BUTYL ETHER	9/16/2019		Y	N	U		U	98	9.9	ug/kg
B-2 (3-4)	L1941309-01	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	1.9	0.36	ug/kg

SDG: L1941309

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-2 (3-4)	L1941309-01	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.93	0.25	ug/kg
B-2 (3-4)	L1941309-01	ACRYLONITRILE	9/16/2019		Y	N	U		U	3.7	1.1	ug/kg
B-2 (3-4)	L1941309-01	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	0.93	0.26	ug/kg
B-2 (3-4)	L1941309-01	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.18	ug/kg
B-2 (3-4)	L1941309-01	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.93	0.22	ug/kg
B-2 (3-4)	L1941309-01	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	9.3	1.2	ug/kg
B-2 (3-4)	L1941309-01	BENZENE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
B-2 (3-4)	L1941309-01	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
B-2 (3-4)	L1941309-01	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.31	ug/kg
B-2 (3-4)	L1941309-01	BROMOBENZENE	9/16/2019		Y	N	U		U	1.9	0.13	ug/kg
B-2 (3-4)	L1941309-01	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.25	ug/kg
B-2 (3-4)	L1941309-01	CHLOROMETHANE	9/16/2019		Y	N	U		U	3.7	0.87	ug/kg
B-2 (3-4)	L1941309-01	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	1.9	0.12	ug/kg
B-2 (3-4)	L1941309-01	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	2.8	0.93	ug/kg
B-2 (3-4)	L1941309-01	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.30	ug/kg
B-2 (3-4)	L1941309-01	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.93	0.13	ug/kg
B-2 (3-4)	L1941309-01	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.14	ug/kg
B-2 (3-4)	L1941309-01	BROMOMETHANE	9/16/2019		Y	N	U		U	1.9	0.54	ug/kg
B-2 (3-4)	L1941309-01	BROMOFORM	9/16/2019		Y	N	U		U	3.7	0.23	ug/kg
B-2 (3-4)	L1941309-01	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.16	ug/kg
B-2 (3-4)	L1941309-01	METHYL TERT BUTYL ETHER	9/16/2019	0.68	Y	Y	J		J	1.9	0.19	ug/kg
B-2 (3-4)	L1941309-01	CARBON DISULFIDE	9/16/2019		Y	N	U		U	9.3	4.2	ug/kg
B-2 (3-4)	L1941309-01	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	0.93	0.12	ug/kg
B-2 (3-4)	L1941309-01	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.93	0.24	ug/kg
B-2 (3-4)	L1941309-01	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg

SDG: L1941309

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-2 (3-4)	L1941309-01	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.16	ug/kg
B-2 (3-4)	L1941309-01	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.46	0.16	ug/kg
B-2 (3-4)	L1941309-01	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	74	33	ug/kg
B-2 (3-4)	L1941309-01	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.55	Y	Y	J		J	1.4	0.13	ug/kg
B-2 (3-4)	L1941309-01	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.18	ug/kg
B-2 (3-4)	L1941309-01	CYCLOTRISILOXANE, HEXAMETHYL-	9/16/2019	2.84	Y	Y	NJ		J			
B-2 (3-4)	L1941309-01	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
B-2 (3-4)	L1941309-01	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.55	Y	Y	J		J	0.93	0.13	ug/kg
B-2 (3-4)	L1941309-01	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.9	0.19	ug/kg
B-2 (3-4)	L1941309-01	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.9	0.19	ug/kg
B-2 (3-4)	L1941309-01	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.9	0.16	ug/kg
B-2 (3-4)	L1941309-01	2-BUTANONE	9/16/2019		Y	N	U		U	9.3	2.1	ug/kg
B-2 (3-4)	L1941309-01	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.46	0.10	ug/kg
B-2 (3-4)	L1941309-01	TOTAL TIC COMPOUNDS	9/16/2019	2.84	Y	Y	J		J			
B-2 (3-4)	L1941309-01	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	0.93	0.21	ug/kg
B-2 (3-4)	L1941309-01	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.46	0.12	ug/kg
B-2 (3-4)	L1941309-01	2-HEXANONE	9/16/2019		Y	N	U		U	9.3	1.1	ug/kg
B-2 (3-4)	L1941309-01	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.46	0.12	ug/kg
B-2 (3-4)	L1941309-01	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.13	ug/kg
B-2 (3-4)	L1941309-01	ACETONE	9/16/2019	86	Y	Y		J	J	9.3	4.5	ug/kg
B-2 (3-4)	L1941309-01	CHLOROFORM	9/16/2019		Y	N	U		U	1.4	0.13	ug/kg
B-2 (3-4)	L1941309-01	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	0.93	0.10	ug/kg
B-2 (3-4)	L1941309-01	TRICHLOROETHENE	9/16/2019	2.7	Y	Y				0.46	0.13	ug/kg
B-2 (3-4)	L1941309-01	VINYL CHLORIDE	9/16/2019		Y	N	U		U	0.93	0.31	ug/kg
B-2 (3-4)	L1941309-01	O-XYLENE	9/16/2019		Y	N	U		U	0.93	0.27	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-2 (3-4)	L1941309-01	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.9	0.10	ug/kg
B-2 (3-4)	L1941309-01	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	0.93	0.16	ug/kg
B-2 (3-4)	L1941309-01	VINYL ACETATE	9/16/2019		Y	N	U		U	9.3	2.0	ug/kg
B-2 (3-4)	L1941309-01	P/M-XYLENE	9/16/2019		Y	N	U		U	1.9	0.52	ug/kg
B-2 (3-4)	L1941309-01	NAPHTHALENE	9/16/2019		Y	N	U		U	3.7	0.60	ug/kg
B-2 (3-4)	L1941309-01	ETHYLBENZENE	9/16/2019		Y	N	U		U	0.93	0.13	ug/kg
B-2 (3-4)	L1941309-01	TOLUENE	9/16/2019		Y	N	U		U	0.93	0.50	ug/kg
B-2 (3-4)	L1941309-01	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	0.93	0.27	ug/kg
B-2 (3-4)	L1941309-01	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.9	0.18	ug/kg
B-2 (3-4)	L1941309-01	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	0.93	0.13	ug/kg
B-2 (3-4)	L1941309-01	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.93	0.16	ug/kg
B-2 (3-4)	L1941309-01	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.93	0.25	ug/kg
B-2 (3-4)	L1941309-01	ETHYL ETHER	9/16/2019		Y	N	U		U	1.9	0.32	ug/kg
B-2 (3-4)	L1941309-01	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	0.93	0.10	ug/kg
B-2 (3-4)	L1941309-01	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.46	0.18	ug/kg
B-2 (3-4)	L1941309-01	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	3.7	0.16	ug/kg
B-2 (3-4)	L1941309-01	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.11	ug/kg
B-2 (3-4)	L1941309-01	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	4.6	1.3	ug/kg
B-2 (3-4)	L1941309-01	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.46	0.15	ug/kg
B-2 (3-4)	L1941309-01	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.93	0.14	ug/kg
B-2 (3-4)	L1941309-01	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.93	0.16	ug/kg
B-2 (3-4)	L1941309-01	CHLOROETHANE	9/16/2019		Y	N	U		U	1.9	0.42	ug/kg
B-2 (3-4)	L1941309-01	STYRENE	9/16/2019		Y	N	U		U	0.93	0.18	ug/kg
B-2 (3-4)	L1941309-01	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	3.7	0.65	ug/kg
B-2 (3-4)	L1941309-01	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	9.3	0.85	ug/kg

SDG: L1941309

Analytical Method	SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-2 (3-4)	L1941309-01	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	4.6	2.1	ug/kg
B-2 (3-4)	L1941309-01	DIBROMOMETHANE	9/16/2019		Y	N	U		U	1.9	0.22	ug/kg
B-2 (6-7)	L1941309-02	BROMODICHLOROMETHANE	9/15/2019		Y	N	U		U	0.50	0.11	ug/kg
B-2 (6-7)	L1941309-02	4-ETHYLTOLUENE	9/15/2019		Y	N	U		U	2.0	0.38	ug/kg
B-2 (6-7)	L1941309-02	BROMOMETHANE	9/15/2019		Y	N	U		U	2.0	0.58	ug/kg
B-2 (6-7)	L1941309-02	1,4-DIETHYLBENZENE	9/15/2019		Y	N	U		U	2.0	0.18	ug/kg
B-2 (6-7)	L1941309-02	1,2-DIBROMO-3-CHLOROPROPANE	9/15/2019		Y	N	U		U	3.0	1.0	ug/kg
B-2 (6-7)	L1941309-02	BROMOFORM	9/15/2019		Y	N	U		U	4.0	0.25	ug/kg
B-2 (6-7)	L1941309-02	1,1-DICHLOROPROPENE	9/15/2019		Y	N	U		U	0.50	0.16	ug/kg
B-2 (6-7)	L1941309-02	TOTAL TIC COMPOUNDS	9/15/2019	38.5	Y	Y	J		J			
B-2 (6-7)	L1941309-02	1,2-DICHLOROPROPANE	9/15/2019		Y	N	U		U	1.0	0.12	ug/kg
B-2 (6-7)	L1941309-02	1,4-DICHLOROBENZENE	9/15/2019		Y	N	U		U	2.0	0.17	ug/kg
B-2 (6-7)	L1941309-02	CHLOROBENZENE	9/15/2019		Y	N	U		U	0.50	0.13	ug/kg
B-2 (6-7)	L1941309-02	CARBON TETRACHLORIDE	9/15/2019		Y	N	U		U	1.0	0.23	ug/kg
B-2 (6-7)	L1941309-02	1,2,3-TRICHLOROPROPANE	9/15/2019		Y	N	U		U	2.0	0.13	ug/kg
B-2 (6-7)	L1941309-02	1,3-DICHLOROPROPANE	9/15/2019		Y	N	U		U	2.0	0.17	ug/kg
B-2 (6-7)	L1941309-02	1,3-DICHLOROPROPENE, TOTAL	9/15/2019		Y	N	U		U	0.50	0.16	ug/kg
B-2 (6-7)	L1941309-02	4-METHYL-2-PENTANONE	9/15/2019		Y	N	U		U	10	1.3	ug/kg
B-2 (6-7)	L1941309-02	1,2-DICHLOROETHENE (TOTAL)	9/15/2019	0.28	Y	Y	J		J	1.0	0.14	ug/kg
B-2 (6-7)	L1941309-02	UNKNOWN ALKANE	9/15/2019	2.68	Y	Y	J		J			
B-2 (6-7)	L1941309-02	ACRYLONITRILE	9/15/2019		Y	N	U		U	4.0	1.2	ug/kg
B-2 (6-7)	L1941309-02	1,2,4-TRIMETHYLBENZENE	9/15/2019		Y	N	U		U	2.0	0.34	ug/kg
B-2 (6-7)	L1941309-02	CARBON DISULFIDE	9/15/2019		Y	N	U		U	10	4.6	ug/kg
B-2 (6-7)	L1941309-02	1,2,4-TRICHLOROBENZENE	9/15/2019		Y	N	U		U	2.0	0.27	ug/kg
B-2 (6-7)	L1941309-02	TRANS-1,2-DICHLOROETHENE	9/15/2019	0.28	Y	Y	J		J	1.5	0.14	ug/kg

Analytical Method	SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-2 (6-7)	L1941309-02	UNKNOWN	9/15/2019	30.7	Y	Y	J		J			
B-2 (6-7)	L1941309-02	UNKNOWN ALKANE	9/15/2019	2.52	Y	Y	J		J			
B-2 (6-7)	L1941309-02	1,2,3-TRICHLOROBENZENE	9/15/2019		Y	N	U		U	2.0	0.32	ug/kg
B-2 (6-7)	L1941309-02	CYCLOTRISILOXANE, HEXAMETHYL-	9/15/2019	2.60	Y	Y	NJ	U	J			
B-2 (6-7)	L1941309-02	1,2,4,5-TETRAMETHYLBENZENE	9/15/2019		Y	N	U		U	2.0	0.19	ug/kg
B-2 (6-7)	L1941309-02	2-BUTANONE	9/15/2019		Y	N	U		U	10	2.2	ug/kg
B-2 (6-7)	L1941309-02	1,1,2-TRICHLOROETHANE	9/15/2019		Y	N	U		U	1.0	0.27	ug/kg
B-2 (6-7)	L1941309-02	BENZENE	9/15/2019		Y	N	U		U	0.50	0.17	ug/kg
B-2 (6-7)	L1941309-02	1,2-DICHLOROBENZENE	9/15/2019		Y	N	U		U	2.0	0.14	ug/kg
B-2 (6-7)	L1941309-02	CHLOROMETHANE	9/15/2019		Y	N	U	UJ	UJ	4.0	0.94	ug/kg
B-2 (6-7)	L1941309-02	BROMOCHLOROMETHANE	9/15/2019		Y	N	U		U	2.0	0.20	ug/kg
B-2 (6-7)	L1941309-02	1,1-DICHLOROETHANE	9/15/2019		Y	N	U		U	1.0	0.14	ug/kg
B-2 (6-7)	L1941309-02	1,4-DIOXANE	9/15/2019		Y	N	U	UJ	UJ	80	35	ug/kg
B-2 (6-7)	L1941309-02	1,1,2,2-TETRACHLOROETHANE	9/15/2019		Y	N	U		U	0.50	0.17	ug/kg
B-2 (6-7)	L1941309-02	2,2-DICHLOROPROPANE	9/15/2019		Y	N	U		U	2.0	0.20	ug/kg
B-2 (6-7)	L1941309-02	1,3,5-TRIMETHYLBENZENE	9/15/2019		Y	N	U		U	2.0	0.19	ug/kg
B-2 (6-7)	L1941309-02	1,2-DICHLOROETHANE	9/15/2019		Y	N	U		U	1.0	0.26	ug/kg
B-2 (6-7)	L1941309-02	BROMOBENZENE	9/15/2019		Y	N	U		U	2.0	0.14	ug/kg
B-2 (6-7)	L1941309-02	1,3-DICHLOROBENZENE	9/15/2019		Y	N	U		U	2.0	0.15	ug/kg
B-2 (6-7)	L1941309-02	1,2-DIBROMOETHANE	9/15/2019		Y	N	U		U	1.0	0.28	ug/kg
B-2 (6-7)	L1941309-02	1,1-DICHLOROETHENE	9/15/2019		Y	N	U		U	1.0	0.24	ug/kg
B-2 (6-7)	L1941309-02	1,1,1,2-TETRACHLOROETHANE	9/15/2019		Y	N	U		U	0.50	0.13	ug/kg
B-2 (6-7)	L1941309-02	2-HEXANONE	9/15/2019		Y	N	U		U	10	1.2	ug/kg
B-2 (6-7)	L1941309-02	P/M-XYLENE	9/15/2019		Y	N	U		U	2.0	0.56	ug/kg
B-2 (6-7)	L1941309-02	TRICHLOROFLUOROMETHANE	9/15/2019		Y	N	U		U	4.0	0.70	ug/kg

SDG: L1941309

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-2 (6-7)	L1941309-02	METHYL TERT BUTYL ETHER	9/15/2019		Y	N	U		U	2.0	0.20	ug/kg
B-2 (6-7)	L1941309-02	CIS-1,2-DICHLOROETHENE	9/15/2019		Y	N	U		U	1.0	0.18	ug/kg
B-2 (6-7)	L1941309-02	TETRACHLOROETHENE	9/15/2019		Y	N	U		U	0.50	0.20	ug/kg
B-2 (6-7)	L1941309-02	TRICHLOROETHENE	9/15/2019	34	Y	Y				0.50	0.14	ug/kg
B-2 (6-7)	L1941309-02	ACETONE	9/15/2019	120	Y	Y		J	J	10	4.8	ug/kg
B-2 (6-7)	L1941309-02	TERT-BUTYLBENZENE	9/15/2019		Y	N	U		U	2.0	0.12	ug/kg
B-2 (6-7)	L1941309-02	ETHYLBENZENE	9/15/2019		Y	N	U		U	1.0	0.14	ug/kg
B-2 (6-7)	L1941309-02	ETHYL ETHER	9/15/2019		Y	N	U		U	2.0	0.34	ug/kg
B-2 (6-7)	L1941309-02	VINYL CHLORIDE	9/15/2019		Y	N	U		U	1.0	0.34	ug/kg
B-2 (6-7)	L1941309-02	CIS-1,3-DICHLOROPROPENE	9/15/2019		Y	N	U		U	0.50	0.16	ug/kg
B-2 (6-7)	L1941309-02	CHLOROFORM	9/15/2019		Y	N	U		U	1.5	0.14	ug/kg
B-2 (6-7)	L1941309-02	1,1,1-TRICHLOROETHANE	9/15/2019	1.8	Y	Y				0.50	0.17	ug/kg
B-2 (6-7)	L1941309-02	SEC-BUTYLBENZENE	9/15/2019		Y	N	U		U	1.0	0.15	ug/kg
B-2 (6-7)	L1941309-02	XYLENE (TOTAL)	9/15/2019		Y	N	U		U	1.0	0.29	ug/kg
B-2 (6-7)	L1941309-02	METHYLENE CHLORIDE	9/15/2019		Y	N	U		U	5.0	2.3	ug/kg
B-2 (6-7)	L1941309-02	DIBROMOMETHANE	9/15/2019		Y	N	U		U	2.0	0.24	ug/kg
B-2 (6-7)	L1941309-02	STYRENE	9/15/2019		Y	N	U		U	1.0	0.20	ug/kg
B-2 (6-7)	L1941309-02	CHLOROETHANE	9/15/2019		Y	N	U		U	2.0	0.45	ug/kg
B-2 (6-7)	L1941309-02	P-ISOPROPYLTOLUENE	9/15/2019		Y	N	U		U	1.0	0.11	ug/kg
B-2 (6-7)	L1941309-02	DICHLORODIFLUOROMETHANE	9/15/2019		Y	N	U		U	10	0.92	ug/kg
B-2 (6-7)	L1941309-02	TRANS-1,4-DICHLORO-2-BUTENE	9/15/2019		Y	N	U		U	5.0	1.4	ug/kg
B-2 (6-7)	L1941309-02	ISOPROPYLBENZENE	9/15/2019		Y	N	U		U	1.0	0.11	ug/kg
B-2 (6-7)	L1941309-02	TOLUENE	9/15/2019		Y	N	U		U	1.0	0.54	ug/kg
B-2 (6-7)	L1941309-02	O-CHLOROTOLUENE	9/15/2019		Y	N	U		U	2.0	0.19	ug/kg
B-2 (6-7)	L1941309-02	TRANS-1,3-DICHLOROPROPENE	9/15/2019		Y	N	U		U	1.0	0.27	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-2 (6-7)	L1941309-02	P-CHLOROTOLUENE	9/15/2019		Y	N	U		U	2.0	0.11	ug/kg
B-2 (6-7)	L1941309-02	N-BUTYLBENZENE	9/15/2019		Y	N	U		U	1.0	0.17	ug/kg
B-2 (6-7)	L1941309-02	N-PROPYLBENZENE	9/15/2019		Y	N	U		U	1.0	0.17	ug/kg
B-2 (6-7)	L1941309-02	HEXACHLOROBUTADIENE	9/15/2019		Y	N	U		U	4.0	0.17	ug/kg
B-2 (6-7)	L1941309-02	NAPHTHALENE	9/15/2019		Y	N	U		U	4.0	0.65	ug/kg
B-2 (6-7)	L1941309-02	VINYL ACETATE	9/15/2019		Y	N	U		U	10	2.2	ug/kg
B-2 (6-7)	L1941309-02	DIBROMOCHLOROMETHANE	9/15/2019		Y	N	U		U	1.0	0.14	ug/kg
B-2 (6-7)	L1941309-02	O-XYLENE	9/15/2019		Y	N	U		U	1.0	0.29	ug/kg
B-6 (10-11)	L1941309-11	BROMOMETHANE	9/16/2019		Y	N	U		U	1.8	0.52	ug/kg
B-6 (10-11)	L1941309-11	2-BUTANONE	9/16/2019	3.2	Y	Y	J		J	8.9	2.0	ug/kg
B-6 (10-11)	L1941309-11	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.44	0.12	ug/kg
B-6 (10-11)	L1941309-11	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	8.9	1.1	ug/kg
B-6 (10-11)	L1941309-11	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.11	ug/kg
B-6 (10-11)	L1941309-11	CHLOROFORM	9/16/2019	0.51	Y	Y	J		J	1.3	0.12	ug/kg
B-6 (10-11)	L1941309-11	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.61	Y	Y	J		J	1.3	0.12	ug/kg
B-6 (10-11)	L1941309-11	BENZENE	9/16/2019		Y	N	U		U	0.44	0.15	ug/kg
B-6 (10-11)	L1941309-11	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.89	0.16	ug/kg
B-6 (10-11)	L1941309-11	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.24	ug/kg
B-6 (10-11)	L1941309-11	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	0.89	0.20	ug/kg
B-6 (10-11)	L1941309-11	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.15	ug/kg
B-6 (10-11)	L1941309-11	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.89	0.23	ug/kg
B-6 (10-11)	L1941309-11	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
B-6 (10-11)	L1941309-11	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.44	0.15	ug/kg
B-6 (10-11)	L1941309-11	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg
B-6 (10-11)	L1941309-11	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.17	ug/kg

SDG: L1941309

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (10-11)	L1941309-11	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.15	ug/kg
B-6 (10-11)	L1941309-11	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.61	Y	Y	J		J	0.89	0.12	ug/kg
B-6 (10-11)	L1941309-11	1,1-DICHLOROETHANE	9/16/2019	0.24	Y	Y	J		J	0.89	0.13	ug/kg
B-6 (10-11)	L1941309-11	2-HEXANONE	9/16/2019		Y	N	U		U	8.9	1.0	ug/kg
B-6 (10-11)	L1941309-11	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.44	0.11	ug/kg
B-6 (10-11)	L1941309-11	CHLOROMETHANE	9/16/2019		Y	N	U		U	3.6	0.83	ug/kg
B-6 (10-11)	L1941309-11	ACRYLONITRILE	9/16/2019		Y	N	U		U	3.6	1.0	ug/kg
B-6 (10-11)	L1941309-11	BROMOBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
B-6 (10-11)	L1941309-11	TOTAL TIC COMPOUNDS	9/16/2019	21.8	Y	Y	J		J			
B-6 (10-11)	L1941309-11	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	2.7	0.89	ug/kg
B-6 (10-11)	L1941309-11	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	0.89	0.25	ug/kg
B-6 (10-11)	L1941309-11	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.17	ug/kg
B-6 (10-11)	L1941309-11	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
B-6 (10-11)	L1941309-11	BROMOFORM	9/16/2019		Y	N	U		U	3.6	0.22	ug/kg
B-6 (10-11)	L1941309-11	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.16	ug/kg
B-6 (10-11)	L1941309-11	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	1.8	0.34	ug/kg
B-6 (10-11)	L1941309-11	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.29	ug/kg
B-6 (10-11)	L1941309-11	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	71	31	ug/kg
B-6 (10-11)	L1941309-11	CARBON DISULFIDE	9/16/2019		Y	N	U		U	8.9	4.0	ug/kg
B-6 (10-11)	L1941309-11	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg
B-6 (10-11)	L1941309-11	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.8	0.13	ug/kg
B-6 (10-11)	L1941309-11	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.44	0.10	ug/kg
B-6 (10-11)	L1941309-11	CYCLOTRISILOXANE, HEXAMETHYL-	9/16/2019	2.40	Y	Y	NJ	U	J			
B-6 (10-11)	L1941309-11	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.89	0.24	ug/kg
B-6 (10-11)	L1941309-11	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg

SDG: L1941309

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (10-11)	L1941309-11	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	0.89	0.11	ug/kg
B-6 (10-11)	L1941309-11	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.30	ug/kg
B-6 (10-11)	L1941309-11	ETHYL ACETATE	9/16/2019	19.4	Y	Y	NJ		J			
B-6 (10-11)	L1941309-11	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	4.4	2.0	ug/kg
B-6 (10-11)	L1941309-11	P/M-XYLENE	9/16/2019		Y	N	U		U	1.8	0.50	ug/kg
B-6 (10-11)	L1941309-11	O-XYLENE	9/16/2019		Y	N	U		U	0.89	0.26	ug/kg
B-6 (10-11)	L1941309-11	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.8	0.17	ug/kg
B-6 (10-11)	L1941309-11	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.15	ug/kg
B-6 (10-11)	L1941309-11	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.44	0.14	ug/kg
B-6 (10-11)	L1941309-11	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	4.4	1.3	ug/kg
B-6 (10-11)	L1941309-11	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	3.6	0.62	ug/kg
B-6 (10-11)	L1941309-11	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	3.6	0.15	ug/kg
B-6 (10-11)	L1941309-11	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	0.89	0.26	ug/kg
B-6 (10-11)	L1941309-11	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	8.9	0.82	ug/kg
B-6 (10-11)	L1941309-11	CHLOROETHANE	9/16/2019		Y	N	U		U	1.8	0.40	ug/kg
B-6 (10-11)	L1941309-11	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.10	ug/kg
B-6 (10-11)	L1941309-11	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.44	0.17	ug/kg
B-6 (10-11)	L1941309-11	VINYL ACETATE	9/16/2019		Y	N	U		U	8.9	1.9	ug/kg
B-6 (10-11)	L1941309-11	METHYL TERT BUTYL ETHER	9/16/2019		Y	N	U		U	1.8	0.18	ug/kg
B-6 (10-11)	L1941309-11	1,1-DICHLOROETHENE	9/16/2019	1.0	Y	Y				0.89	0.21	ug/kg
B-6 (10-11)	L1941309-11	ETHYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.12	ug/kg
B-6 (10-11)	L1941309-11	ACETONE	9/16/2019	120	Y	Y		J	J	8.9	4.3	ug/kg
B-6 (10-11)	L1941309-11	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.13	ug/kg
B-6 (10-11)	L1941309-11	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.8	0.10	ug/kg
B-6 (10-11)	L1941309-11	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	0.89	0.12	ug/kg

SDG: L1941309

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (10-11)	L1941309-11	VINYL CHLORIDE	9/16/2019		Y	N	U		U	0.89	0.30	ug/kg
B-6 (10-11)	L1941309-11	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.89	0.24	ug/kg
B-6 (10-11)	L1941309-11	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	0.89	0.10	ug/kg
B-6 (10-11)	L1941309-11	TRICHLOROETHENE	9/16/2019	49	Y	Y				0.44	0.12	ug/kg
B-6 (10-11)	L1941309-11	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.8	0.10	ug/kg
B-6 (10-11)	L1941309-11	DIBROMOMETHANE	9/16/2019		Y	N	U		U	1.8	0.21	ug/kg
B-6 (10-11)	L1941309-11	1,1,1-TRICHLOROETHANE	9/16/2019	19	Y	Y				0.44	0.15	ug/kg
B-6 (10-11)	L1941309-11	TOLUENE	9/16/2019		Y	N	U		U	0.89	0.48	ug/kg
B-6 (10-11)	L1941309-11	NAPHTHALENE	9/16/2019		Y	N	U		U	3.6	0.58	ug/kg
B-6 (10-11)	L1941309-11	STYRENE	9/16/2019		Y	N	U		U	0.89	0.17	ug/kg
B-6 (10-11)	L1941309-11	ETHYL ETHER	9/16/2019		Y	N	U		U	1.8	0.30	ug/kg
B-6 (10-11)	L1941309-11	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.89	0.15	ug/kg
B-6 (1-2)	L1941309-13	BROMOFORM	9/16/2019		Y	N	U		U	3.8	0.23	ug/kg
B-6 (1-2)	L1941309-13	ACRYLONITRILE	9/16/2019		Y	N	U		U	3.8	1.1	ug/kg
B-6 (1-2)	L1941309-13	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.65	Y	Y	J		J	0.94	0.13	ug/kg
B-6 (1-2)	L1941309-13	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.47	0.12	ug/kg
B-6 (1-2)	L1941309-13	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.9	0.19	ug/kg
B-6 (1-2)	L1941309-13	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.47	0.10	ug/kg
B-6 (1-2)	L1941309-13	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.47	0.12	ug/kg
B-6 (1-2)	L1941309-13	TOTAL TIC COMPOUNDS	9/16/2019	20.5	Y	Y	J		J			
B-6 (1-2)	L1941309-13	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.47	0.15	ug/kg
B-6 (1-2)	L1941309-13	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.94	0.22	ug/kg
B-6 (1-2)	L1941309-13	CARBON DISULFIDE	9/16/2019		Y	N	U		U	9.4	4.3	ug/kg
B-6 (1-2)	L1941309-13	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.65	Y	Y	J		J	1.4	0.13	ug/kg
B-6 (1-2)	L1941309-13	CYCLOTRISILOXANE, HEXAMETHYL-	9/16/2019	2.50	Y	Y	NJ	U	J			

Analytical Method	SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (1-2)	L1941309-13	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.94	0.25	ug/kg
B-6 (1-2)	L1941309-13	CHLOROFORM	9/16/2019	0.13	Y	Y	J		J	1.4	0.13	ug/kg
B-6 (1-2)	L1941309-13	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	1.9	0.12	ug/kg
B-6 (1-2)	L1941309-13	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.47	0.16	ug/kg
B-6 (1-2)	L1941309-13	2-BUTANONE	9/16/2019	3.3	Y	Y	J		J	9.4	2.1	ug/kg
B-6 (1-2)	L1941309-13	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	0.94	0.22	ug/kg
B-6 (1-2)	L1941309-13	BENZENE	9/16/2019		Y	N	U		U	0.47	0.16	ug/kg
B-6 (1-2)	L1941309-13	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.94	0.14	ug/kg
B-6 (1-2)	L1941309-13	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.30	ug/kg
B-6 (1-2)	L1941309-13	BROMOBENZENE	9/16/2019		Y	N	U		U	1.9	0.14	ug/kg
B-6 (1-2)	L1941309-13	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.47	0.16	ug/kg
B-6 (1-2)	L1941309-13	BROMOMETHANE	9/16/2019		Y	N	U		U	1.9	0.55	ug/kg
B-6 (1-2)	L1941309-13	ETHYL ACETATE	9/16/2019	18.0	Y	Y	NJ		J			
B-6 (1-2)	L1941309-13	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	2.8	0.94	ug/kg
B-6 (1-2)	L1941309-13	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.14	ug/kg
B-6 (1-2)	L1941309-13	CHLOROMETHANE	9/16/2019		Y	N	U		U	3.8	0.88	ug/kg
B-6 (1-2)	L1941309-13	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	0.94	0.26	ug/kg
B-6 (1-2)	L1941309-13	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.18	ug/kg
B-6 (1-2)	L1941309-13	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.14	ug/kg
B-6 (1-2)	L1941309-13	2-HEXANONE	9/16/2019		Y	N	U		U	9.4	1.1	ug/kg
B-6 (1-2)	L1941309-13	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.47	0.15	ug/kg
B-6 (1-2)	L1941309-13	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	1.9	0.36	ug/kg
B-6 (1-2)	L1941309-13	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	0.94	0.12	ug/kg
B-6 (1-2)	L1941309-13	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.9	0.16	ug/kg
B-6 (1-2)	L1941309-13	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.16	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (1-2)	L1941309-13	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	9.4	1.2	ug/kg
B-6 (1-2)	L1941309-13	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.94	0.24	ug/kg
B-6 (1-2)	L1941309-13	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.32	ug/kg
B-6 (1-2)	L1941309-13	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.26	ug/kg
B-6 (1-2)	L1941309-13	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.17	ug/kg
B-6 (1-2)	L1941309-13	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.9	0.19	ug/kg
B-6 (1-2)	L1941309-13	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	76	33	ug/kg
B-6 (1-2)	L1941309-13	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.18	ug/kg
B-6 (1-2)	L1941309-13	DIBROMOMETHANE	9/16/2019		Y	N	U		U	1.9	0.22	ug/kg
B-6 (1-2)	L1941309-13	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	4.7	2.2	ug/kg
B-6 (1-2)	L1941309-13	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.94	0.26	ug/kg
B-6 (1-2)	L1941309-13	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	0.94	0.28	ug/kg
B-6 (1-2)	L1941309-13	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	4.7	1.3	ug/kg
B-6 (1-2)	L1941309-13	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	0.94	0.13	ug/kg
B-6 (1-2)	L1941309-13	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	0.94	0.16	ug/kg
B-6 (1-2)	L1941309-13	METHYL TERT BUTYL ETHER	9/16/2019		Y	N	U		U	1.9	0.19	ug/kg
B-6 (1-2)	L1941309-13	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	9.4	0.86	ug/kg
B-6 (1-2)	L1941309-13	ETHYL ETHER	9/16/2019		Y	N	U		U	1.9	0.32	ug/kg
B-6 (1-2)	L1941309-13	VINYL ACETATE	9/16/2019		Y	N	U		U	9.4	2.0	ug/kg
B-6 (1-2)	L1941309-13	NAPHTHALENE	9/16/2019		Y	N	U		U	3.8	0.61	ug/kg
B-6 (1-2)	L1941309-13	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.9	0.18	ug/kg
B-6 (1-2)	L1941309-13	VINYL CHLORIDE	9/16/2019		Y	N	U		U	0.94	0.32	ug/kg
B-6 (1-2)	L1941309-13	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	3.8	0.66	ug/kg
B-6 (1-2)	L1941309-13	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	0.94	0.10	ug/kg
B-6 (1-2)	L1941309-13	TRICHLOROETHENE	9/16/2019	1.1	Y	Y				0.47	0.13	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (1-2)	L1941309-13	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.9	0.10	ug/kg
B-6 (1-2)	L1941309-13	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	0.94	0.10	ug/kg
B-6 (1-2)	L1941309-13	ACETONE	9/16/2019	120	Y	Y		J	J	9.4	4.5	ug/kg
B-6 (1-2)	L1941309-13	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.94	0.14	ug/kg
B-6 (1-2)	L1941309-13	O-XYLENE	9/16/2019		Y	N	U		U	0.94	0.28	ug/kg
B-6 (1-2)	L1941309-13	STYRENE	9/16/2019		Y	N	U		U	0.94	0.18	ug/kg
B-6 (1-2)	L1941309-13	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.11	ug/kg
B-6 (1-2)	L1941309-13	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	3.8	0.16	ug/kg
B-6 (1-2)	L1941309-13	CHLOROETHANE	9/16/2019		Y	N	U		U	1.9	0.43	ug/kg
B-6 (1-2)	L1941309-13	P/M-XYLENE	9/16/2019		Y	N	U		U	1.9	0.53	ug/kg
B-6 (1-2)	L1941309-13	TOLUENE	9/16/2019		Y	N	U		U	0.94	0.51	ug/kg
B-6 (1-2)	L1941309-13	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.47	0.15	ug/kg
B-6 (1-2)	L1941309-13	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.94	0.16	ug/kg
B-6 (1-2)	L1941309-13	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.47	0.18	ug/kg
B-6 (1-2)	L1941309-13	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.94	0.16	ug/kg
B-6 (1-2)	L1941309-13	ETHYLBENZENE	9/16/2019		Y	N	U		U	0.94	0.13	ug/kg
B-6 (7-8)	L1941309-12	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	69	30	ug/kg
B-6 (7-8)	L1941309-12	TOTAL TIC COMPOUNDS	9/16/2019	35.7	Y	Y	J		J			
B-6 (7-8)	L1941309-12	BROMOFORM	9/16/2019		Y	N	U		U	3.4	0.21	ug/kg
B-6 (7-8)	L1941309-12	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	0.86	0.11	ug/kg
B-6 (7-8)	L1941309-12	ETHYL ACETATE	9/16/2019	33.3	Y	Y	NJ		J			
B-6 (7-8)	L1941309-12	BROMOMETHANE	9/16/2019		Y	N	U		U	1.7	0.50	ug/kg
B-6 (7-8)	L1941309-12	2-HEXANONE	9/16/2019		Y	N	U		U	8.6	1.0	ug/kg
B-6 (7-8)	L1941309-12	CARBON DISULFIDE	9/16/2019		Y	N	U		U	8.6	3.9	ug/kg
B-6 (7-8)	L1941309-12	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.7	0.17	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (7-8)	L1941309-12	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.15	ug/kg
B-6 (7-8)	L1941309-12	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.86	0.12	ug/kg
B-6 (7-8)	L1941309-12	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.86	0.15	ug/kg
B-6 (7-8)	L1941309-12	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	1.7	0.11	ug/kg
B-6 (7-8)	L1941309-12	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	8.6	1.1	ug/kg
B-6 (7-8)	L1941309-12	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.13	ug/kg
B-6 (7-8)	L1941309-12	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.86	0.22	ug/kg
B-6 (7-8)	L1941309-12	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.29	ug/kg
B-6 (7-8)	L1941309-12	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.86	0.23	ug/kg
B-6 (7-8)	L1941309-12	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	0.86	0.24	ug/kg
B-6 (7-8)	L1941309-12	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.28	ug/kg
B-6 (7-8)	L1941309-12	BROMOBENZENE	9/16/2019		Y	N	U		U	1.7	0.12	ug/kg
B-6 (7-8)	L1941309-12	CYCLOTRISILOXANE, HEXAMETHYL-	9/16/2019	2.37	Y	Y	NJ	U	J			
B-6 (7-8)	L1941309-12	BENZENE	9/16/2019		Y	N	U		U	0.43	0.14	ug/kg
B-6 (7-8)	L1941309-12	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.43	0.14	ug/kg
B-6 (7-8)	L1941309-12	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	1.7	0.33	ug/kg
B-6 (7-8)	L1941309-12	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.43	0.09	ug/kg
B-6 (7-8)	L1941309-12	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.16	ug/kg
B-6 (7-8)	L1941309-12	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	2.6	0.86	ug/kg
B-6 (7-8)	L1941309-12	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.42	Y	Y	J		J	1.3	0.12	ug/kg
B-6 (7-8)	L1941309-12	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.43	0.11	ug/kg
B-6 (7-8)	L1941309-12	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.42	Y	Y	J		J	0.86	0.12	ug/kg
B-6 (7-8)	L1941309-12	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.15	ug/kg
B-6 (7-8)	L1941309-12	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.86	0.20	ug/kg
B-6 (7-8)	L1941309-12	CHLOROFORM	9/16/2019	0.37	Y	Y	J		J	1.3	0.12	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (7-8)	L1941309-12	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.43	0.11	ug/kg
B-6 (7-8)	L1941309-12	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	0.86	0.20	ug/kg
B-6 (7-8)	L1941309-12	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.7	0.14	ug/kg
B-6 (7-8)	L1941309-12	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.43	0.14	ug/kg
B-6 (7-8)	L1941309-12	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.12	ug/kg
B-6 (7-8)	L1941309-12	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.43	0.14	ug/kg
B-6 (7-8)	L1941309-12	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.16	ug/kg
B-6 (7-8)	L1941309-12	2-BUTANONE	9/16/2019		Y	N	U		U	8.6	1.9	ug/kg
B-6 (7-8)	L1941309-12	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.7	0.18	ug/kg
B-6 (7-8)	L1941309-12	ACRYLONITRILE	9/16/2019		Y	N	U		U	3.4	0.99	ug/kg
B-6 (7-8)	L1941309-12	CHLOROMETHANE	9/16/2019		Y	N	U		U	3.4	0.80	ug/kg
B-6 (7-8)	L1941309-12	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.7	0.23	ug/kg
B-6 (7-8)	L1941309-12	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.43	0.14	ug/kg
B-6 (7-8)	L1941309-12	P/M-XYLENE	9/16/2019		Y	N	U		U	1.7	0.48	ug/kg
B-6 (7-8)	L1941309-12	ACETONE	9/16/2019	120	Y	Y		J	J	8.6	4.1	ug/kg
B-6 (7-8)	L1941309-12	ETHYL ETHER	9/16/2019		Y	N	U		U	1.7	0.29	ug/kg
B-6 (7-8)	L1941309-12	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	0.86	0.25	ug/kg
B-6 (7-8)	L1941309-12	1,1,1-TRICHLOROETHANE	9/16/2019	0.47	Y	Y				0.43	0.14	ug/kg
B-6 (7-8)	L1941309-12	O-XYLENE	9/16/2019		Y	N	U		U	0.86	0.25	ug/kg
B-6 (7-8)	L1941309-12	DIBROMOMETHANE	9/16/2019		Y	N	U		U	1.7	0.20	ug/kg
B-6 (7-8)	L1941309-12	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	0.86	0.12	ug/kg
B-6 (7-8)	L1941309-12	TRICHLOROETHENE	9/16/2019	1.6	Y	Y				0.43	0.12	ug/kg
B-6 (7-8)	L1941309-12	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.86	0.14	ug/kg
B-6 (7-8)	L1941309-12	CHLOROETHANE	9/16/2019		Y	N	U		U	1.7	0.39	ug/kg
B-6 (7-8)	L1941309-12	NAPHTHALENE	9/16/2019		Y	N	U		U	3.4	0.56	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (7-8)	L1941309-12	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.86	0.12	ug/kg
B-6 (7-8)	L1941309-12	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	0.86	0.09	ug/kg
B-6 (7-8)	L1941309-12	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.86	0.23	ug/kg
B-6 (7-8)	L1941309-12	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	4.3	1.2	ug/kg
B-6 (7-8)	L1941309-12	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	3.4	0.14	ug/kg
B-6 (7-8)	L1941309-12	STYRENE	9/16/2019		Y	N	U		U	0.86	0.17	ug/kg
B-6 (7-8)	L1941309-12	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	3.4	0.60	ug/kg
B-6 (7-8)	L1941309-12	ETHYLBENZENE	9/16/2019		Y	N	U		U	0.86	0.12	ug/kg
B-6 (7-8)	L1941309-12	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	4.3	2.0	ug/kg
B-6 (7-8)	L1941309-12	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	0.86	0.15	ug/kg
B-6 (7-8)	L1941309-12	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.7	0.10	ug/kg
B-6 (7-8)	L1941309-12	TOLUENE	9/16/2019		Y	N	U		U	0.86	0.46	ug/kg
B-6 (7-8)	L1941309-12	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	0.86	0.09	ug/kg
B-6 (7-8)	L1941309-12	VINYL ACETATE	9/16/2019		Y	N	U		U	8.6	1.8	ug/kg
B-6 (7-8)	L1941309-12	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	8.6	0.78	ug/kg
B-6 (7-8)	L1941309-12	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.43	0.17	ug/kg
B-6 (7-8)	L1941309-12	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.7	0.09	ug/kg
B-6 (7-8)	L1941309-12	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.7	0.16	ug/kg
B-6 (7-8)	L1941309-12	VINYL CHLORIDE	9/16/2019		Y	N	U		U	0.86	0.29	ug/kg
B-6 (7-8)	L1941309-12	METHYL TERT BUTYL ETHER	9/16/2019		Y	N	U		U	1.7	0.17	ug/kg
B-7 (1-2)	L1941309-03	CHLOROMETHANE	9/16/2019		Y	N	U		U	250	59	ug/kg
B-7 (1-2)	L1941309-03	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	63	16	ug/kg
B-7 (1-2)	L1941309-03	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	190	63	ug/kg
B-7 (1-2)	L1941309-03	CYCLOTRISILOXANE, HEXAMETHYL-	9/16/2019	156	Y	Y	NJ	U	J			
B-7 (1-2)	L1941309-03	1,2-DICHLOROETHENE (TOTAL)	9/16/2019		Y	N	U		U	63	8.7	ug/kg

SDG: L1941309

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-7 (1-2)	L1941309-03	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	32	10	ug/kg
B-7 (1-2)	L1941309-03	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	130	9.4	ug/kg
B-7 (1-2)	L1941309-03	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	63	15	ug/kg
B-7 (1-2)	L1941309-03	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	130	21	ug/kg
B-7 (1-2)	L1941309-03	CHLOROBENZENE	9/16/2019		Y	N	U		U	32	8.1	ug/kg
B-7 (1-2)	L1941309-03	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	130	24	ug/kg
B-7 (1-2)	L1941309-03	ACRYLONITRILE	9/16/2019		Y	N	U		U	250	73	ug/kg
B-7 (1-2)	L1941309-03	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	130	20	ug/kg
B-7 (1-2)	L1941309-03	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	130	12	ug/kg
B-7 (1-2)	L1941309-03	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	630	81	ug/kg
B-7 (1-2)	L1941309-03	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	32	10	ug/kg
B-7 (1-2)	L1941309-03	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	63	17	ug/kg
B-7 (1-2)	L1941309-03	ACETONE	9/16/2019		Y	N	U	UJ	UJ	630	300	ug/kg
B-7 (1-2)	L1941309-03	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	32	8.4	ug/kg
B-7 (1-2)	L1941309-03	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	130	8.1	ug/kg
B-7 (1-2)	L1941309-03	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	130	11	ug/kg
B-7 (1-2)	L1941309-03	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	63	18	ug/kg
B-7 (1-2)	L1941309-03	TOTAL TIC COMPOUNDS	9/16/2019	416	Y	Y	J		J			
B-7 (1-2)	L1941309-03	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	130	13	ug/kg
B-7 (1-2)	L1941309-03	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	32	6.9	ug/kg
B-7 (1-2)	L1941309-03	UNKNOWN	9/16/2019	260	Y	Y	J		J			
B-7 (1-2)	L1941309-03	BROMOFORM	9/16/2019		Y	N	U		U	250	16	ug/kg
B-7 (1-2)	L1941309-03	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	63	15	ug/kg
B-7 (1-2)	L1941309-03	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	130	11	ug/kg
B-7 (1-2)	L1941309-03	2-BUTANONE	9/16/2019		Y	N	U		U	630	140	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-7 (1-2)	L1941309-03	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	130	17	ug/kg
B-7 (1-2)	L1941309-03	2-HEXANONE	9/16/2019		Y	N	U		U	630	75	ug/kg
B-7 (1-2)	L1941309-03	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	130	11	ug/kg
B-7 (1-2)	L1941309-03	BROMOMETHANE	9/16/2019		Y	N	U		U	130	37	ug/kg
B-7 (1-2)	L1941309-03	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	32	10	ug/kg
B-7 (1-2)	L1941309-03	BROMOBENZENE	9/16/2019		Y	N	U		U	130	9.2	ug/kg
B-7 (1-2)	L1941309-03	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	63	7.9	ug/kg
B-7 (1-2)	L1941309-03	BENZENE	9/16/2019		Y	N	U		U	32	10	ug/kg
B-7 (1-2)	L1941309-03	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	5100	2200	ug/kg
B-7 (1-2)	L1941309-03	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	130	12	ug/kg
B-7 (1-2)	L1941309-03	CARBON DISULFIDE	9/16/2019		Y	N	U		U	630	290	ug/kg
B-7 (1-2)	L1941309-03	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	130	13	ug/kg
B-7 (1-2)	L1941309-03	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	130	9.1	ug/kg
B-7 (1-2)	L1941309-03	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	63	9.2	ug/kg
B-7 (1-2)	L1941309-03	ETHYLBENZENE	9/16/2019		Y	N	U		U	63	9.0	ug/kg
B-7 (1-2)	L1941309-03	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	250	11	ug/kg
B-7 (1-2)	L1941309-03	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	63	11	ug/kg
B-7 (1-2)	L1941309-03	O-XYLENE	9/16/2019		Y	N	U		U	63	18	ug/kg
B-7 (1-2)	L1941309-03	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	63	6.9	ug/kg
B-7 (1-2)	L1941309-03	ETHYL ETHER	9/16/2019		Y	N	U		U	130	22	ug/kg
B-7 (1-2)	L1941309-03	STYRENE	9/16/2019		Y	N	U		U	63	12	ug/kg
B-7 (1-2)	L1941309-03	TOLUENE	9/16/2019		Y	N	U		U	63	34	ug/kg
B-7 (1-2)	L1941309-03	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	63	9.3	ug/kg
B-7 (1-2)	L1941309-03	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	63	6.9	ug/kg
B-7 (1-2)	L1941309-03	TETRACHLOROETHENE	9/16/2019	63	Y	Y				32	12	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-7 (1-2)	L1941309-03	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	130	6.8	ug/kg
B-7 (1-2)	L1941309-03	TRICHLOROETHENE	9/16/2019	920	Y	Y				32	8.7	ug/kg
B-7 (1-2)	L1941309-03	1,1,1-TRICHLOROETHANE	9/16/2019	59	Y	Y				32	11	ug/kg
B-7 (1-2)	L1941309-03	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	320	140	ug/kg
B-7 (1-2)	L1941309-03	CHLOROETHANE	9/16/2019		Y	N	U		U	130	29	ug/kg
B-7 (1-2)	L1941309-03	NAPHTHALENE	9/16/2019		Y	N	U		U	250	41	ug/kg
B-7 (1-2)	L1941309-03	VINYL ACETATE	9/16/2019		Y	N	U		U	630	140	ug/kg
B-7 (1-2)	L1941309-03	P/M-XYLENE	9/16/2019		Y	N	U		U	130	36	ug/kg
B-7 (1-2)	L1941309-03	CHLOROFORM	9/16/2019		Y	N	U		U	95	8.9	ug/kg
B-7 (1-2)	L1941309-03	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	63	11	ug/kg
B-7 (1-2)	L1941309-03	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	630	58	ug/kg
B-7 (1-2)	L1941309-03	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	130	12	ug/kg
B-7 (1-2)	L1941309-03	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	32	10	ug/kg
B-7 (1-2)	L1941309-03	VINYL CHLORIDE	9/16/2019		Y	N	U		U	63	21	ug/kg
B-7 (1-2)	L1941309-03	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	130	7.5	ug/kg
B-7 (1-2)	L1941309-03	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	320	90	ug/kg
B-7 (1-2)	L1941309-03	DIBROMOMETHANE	9/16/2019		Y	N	U		U	130	15	ug/kg
B-7 (1-2)	L1941309-03	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	63	18	ug/kg
B-7 (1-2)	L1941309-03	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	63	17	ug/kg
B-7 (1-2)	L1941309-03	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	63	8.9	ug/kg
B-7 (1-2)	L1941309-03	TRANS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	95	8.7	ug/kg
B-7 (1-2)	L1941309-03	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	63	11	ug/kg
B-7 (1-2)	L1941309-03	METHYL TERT BUTYL ETHER	9/16/2019		Y	N	U		U	130	13	ug/kg
B-7 (1-2)	L1941309-03	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	250	44	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (10-11)	L1941309-08	4-CHLOROANILINE	9/17/2019		Y	N	U		U	170	31	ug/kg
B-1 (10-11)	L1941309-08	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	170	26	ug/kg
B-1 (10-11)	L1941309-08	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	450	82	ug/kg
B-1 (10-11)	L1941309-08	2-NITROPHENOL	9/17/2019		Y	N	U		U	370	65	ug/kg
B-1 (10-11)	L1941309-08	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	100	20	ug/kg
B-1 (10-11)	L1941309-08	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	170	46	ug/kg
B-1 (10-11)	L1941309-08	3-NITROANILINE	9/17/2019		Y	N	U		U	170	32	ug/kg
B-1 (10-11)	L1941309-08	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	250	27	ug/kg
B-1 (10-11)	L1941309-08	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	170	26	ug/kg
B-1 (10-11)	L1941309-08	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	170	33	ug/kg
B-1 (10-11)	L1941309-08	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	170	16	ug/kg
B-1 (10-11)	L1941309-08	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	170	36	ug/kg
B-1 (10-11)	L1941309-08	FLUORANTHENE	9/17/2019		Y	N	U		U	100	20	ug/kg
B-1 (10-11)	L1941309-08	FLUORENE	9/17/2019		Y	N	U		U	170	17	ug/kg
B-1 (10-11)	L1941309-08	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	38	ug/kg
B-1 (10-11)	L1941309-08	PHENANTHRENE	9/17/2019		Y	N	U		U	100	21	ug/kg
B-1 (10-11)	L1941309-08	PHENOL	9/17/2019		Y	N	U		U	170	26	ug/kg
B-1 (10-11)	L1941309-08	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	170	58	ug/kg
B-1 (10-11)	L1941309-08	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	170	26	ug/kg
B-1 (10-11)	L1941309-08	CHRYSENE	9/17/2019		Y	N	U		U	100	18	ug/kg
B-1 (10-11)	L1941309-08	NITROBENZENE	9/17/2019		Y	N	U		U	150	25	ug/kg
B-1 (10-11)	L1941309-08	NAPHTHALENE	9/17/2019		Y	N	U		U	170	21	ug/kg
B-1 (10-11)	L1941309-08	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	20	ug/kg
B-1 (10-11)	L1941309-08	ISOPHORONE	9/17/2019		Y	N	U		U	150	22	ug/kg
B-1 (10-11)	L1941309-08	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	140	24	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (10-11)	L1941309-08	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	28	ug/kg
B-1 (10-11)	L1941309-08	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	490	160	ug/kg
B-1 (10-11)	L1941309-08	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	170	25	ug/kg
B-1 (10-11)	L1941309-08	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	100	19	ug/kg
B-1 (10-11)	L1941309-08	PYRENE	9/17/2019		Y	N	U		U	100	17	ug/kg
B-1 (10-11)	L1941309-08	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	100	28	ug/kg
B-1 (10-11)	L1941309-08	4-NITROANILINE	9/17/2019		Y	N	U		U	170	71	ug/kg
B-1 (10-11)	L1941309-08	4-NITROPHENOL	9/17/2019		Y	N	U		U	240	70	ug/kg
B-1 (10-11)	L1941309-08	ACENAPHTHENE	9/17/2019		Y	N	U		U	140	18	ug/kg
B-1 (10-11)	L1941309-08	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	140	26	ug/kg
B-1 (10-11)	L1941309-08	ACETOPHENONE	9/17/2019		Y	N	U		U	170	21	ug/kg
B-1 (10-11)	L1941309-08	ANTHRACENE	9/17/2019		Y	N	U		U	100	34	ug/kg
B-1 (10-11)	L1941309-08	BENZO(A)ANTHRACENE	9/17/2019		Y	N	U		U	100	19	ug/kg
B-1 (10-11)	L1941309-08	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	140	42	ug/kg
B-1 (10-11)	L1941309-08	DIBENZOFURAN	9/17/2019		Y	N	U		U	170	16	ug/kg
B-1 (10-11)	L1941309-08	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	140	20	ug/kg
B-1 (10-11)	L1941309-08	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	170	18	ug/kg
B-1 (10-11)	L1941309-08	BENZOIC ACID	9/17/2019		Y	N	U		U	560	170	ug/kg
B-1 (10-11)	L1941309-08	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	170	53	ug/kg
B-1 (10-11)	L1941309-08	BIPHENYL	9/17/2019		Y	N	U		U	390	40	ug/kg
B-1 (10-11)	L1941309-08	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-1 (10-11)	L1941309-08	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	150	23	ug/kg
B-1 (10-11)	L1941309-08	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	210	29	ug/kg
B-1 (10-11)	L1941309-08	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	170	60	ug/kg
B-1 (10-11)	L1941309-08	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	170	43	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (10-11)	L1941309-08	CARBAZOLE	9/17/2019		Y	N	U		U	170	17	ug/kg
B-1 (10-11)	L1941309-08	BENZO(B)FLUORANTHENE	9/17/2019		Y	N	U		U	100	29	ug/kg
B-1 (10-11)	L1941309-08	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	170	20	ug/kg
B-1 (10-11)	L1941309-08	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	170	30	ug/kg
B-1 (10-11)	L1941309-08	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	170	30	ug/kg
B-1 (10-11)	L1941309-08	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	170	31	ug/kg
B-1 (10-11)	L1941309-08	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	170	33	ug/kg
B-1 (10-11)	L1941309-08	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	100	33	ug/kg
B-1 (10-11)	L1941309-08	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	150	28	ug/kg
B-1 (10-11)	L1941309-08	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	820	80	ug/kg
B-1 (10-11)	L1941309-08	1,4-DIOXANE	9/17/2019		Y	N	U		U	26	7.9	ug/kg
B-1 (10-11)	L1941309-08	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	170	34	ug/kg
B-1 (10-11)	L1941309-08	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	170	30	ug/kg
B-1 (10-11)	L1941309-08	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	170	17	ug/kg
B-1 (10-11)	L1941309-08	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	170	18	ug/kg
B-1 (10-11)	L1941309-08	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	170	20	ug/kg
B-1 (10-11)	L1941309-08	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	210	21	ug/kg
B-1 (10-11)	L1941309-08	2-METHYLPHENOL	9/17/2019		Y	N	U		U	170	27	ug/kg
B-1 (10-11)	L1941309-08	2-NITROANILINE	9/17/2019		Y	N	U		U	170	33	ug/kg
B-1 (10-11)	L1941309-08	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	170	57	ug/kg
B-1 (2-3)	L1941309-06	1,4-DIOXANE	9/17/2019		Y	N	U		U	26	8.1	ug/kg
B-1 (2-3)	L1941309-06	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-1 (2-3)	L1941309-06	BENZO(A)ANTHRACENE	9/17/2019	22	Y	Y	J		J	110	20	ug/kg
B-1 (2-3)	L1941309-06	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	34	ug/kg
B-1 (2-3)	L1941309-06	BENZO(B)FLUORANTHENE	9/17/2019	36	Y	Y	J		J	110	30	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (2-3)	L1941309-06	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	34	ug/kg
B-1 (2-3)	L1941309-06	CHRYSENE	9/17/2019	22	Y	Y	J		J	110	18	ug/kg
B-1 (2-3)	L1941309-06	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	27	ug/kg
B-1 (2-3)	L1941309-06	FLUORANTHENE	9/17/2019	26	Y	Y	J		J	110	20	ug/kg
B-1 (2-3)	L1941309-06	ISOPHORONE	9/17/2019		Y	N	U		U	160	23	ug/kg
B-1 (2-3)	L1941309-06	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	58	ug/kg
B-1 (2-3)	L1941309-06	PYRENE	9/17/2019	24	Y	Y	J		J	110	18	ug/kg
B-1 (2-3)	L1941309-06	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	210	30	ug/kg
B-1 (2-3)	L1941309-06	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	24	ug/kg
B-1 (2-3)	L1941309-06	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	28	ug/kg
B-1 (2-3)	L1941309-06	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	26	ug/kg
B-1 (2-3)	L1941309-06	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	61	ug/kg
B-1 (2-3)	L1941309-06	CARBAZOLE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-1 (2-3)	L1941309-06	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-1 (2-3)	L1941309-06	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	60	ug/kg
B-1 (2-3)	L1941309-06	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-1 (2-3)	L1941309-06	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	17	ug/kg
B-1 (2-3)	L1941309-06	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	16	ug/kg
B-1 (2-3)	L1941309-06	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	37	ug/kg
B-1 (2-3)	L1941309-06	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-1 (2-3)	L1941309-06	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-1 (2-3)	L1941309-06	PHENOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-1 (2-3)	L1941309-06	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	500	160	ug/kg
B-1 (2-3)	L1941309-06	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	28	ug/kg
B-1 (2-3)	L1941309-06	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	140	25	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (2-3)	L1941309-06	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	54	ug/kg
B-1 (2-3)	L1941309-06	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	20	ug/kg
B-1 (2-3)	L1941309-06	BIPHENYL	9/17/2019		Y	N	U		U	400	41	ug/kg
B-1 (2-3)	L1941309-06	NITROBENZENE	9/17/2019		Y	N	U		U	160	26	ug/kg
B-1 (2-3)	L1941309-06	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	39	ug/kg
B-1 (2-3)	L1941309-06	PHENANTHRENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-1 (2-3)	L1941309-06	FLUORENE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-1 (2-3)	L1941309-06	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-1 (2-3)	L1941309-06	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	21	ug/kg
B-1 (2-3)	L1941309-06	2-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-1 (2-3)	L1941309-06	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	26	ug/kg
B-1 (2-3)	L1941309-06	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	30	ug/kg
B-1 (2-3)	L1941309-06	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-1 (2-3)	L1941309-06	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-1 (2-3)	L1941309-06	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	47	ug/kg
B-1 (2-3)	L1941309-06	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	20	ug/kg
B-1 (2-3)	L1941309-06	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	250	28	ug/kg
B-1 (2-3)	L1941309-06	BENZOIC ACID	9/17/2019		Y	N	U		U	570	180	ug/kg
B-1 (2-3)	L1941309-06	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	210	21	ug/kg
B-1 (2-3)	L1941309-06	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	190	18	ug/kg
B-1 (2-3)	L1941309-06	UNKNOWN	9/17/2019	322	Y	Y	J		J			
B-1 (2-3)	L1941309-06	UNKNOWN	9/17/2019	336	Y	Y	J		J			
B-1 (2-3)	L1941309-06	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	30	ug/kg
B-1 (2-3)	L1941309-06	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-1 (2-3)	L1941309-06	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	850	82	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (2-3)	L1941309-06	ACENAPHTHENE	9/17/2019		Y	N	U		U	140	18	ug/kg
B-1 (2-3)	L1941309-06	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	44	ug/kg
B-1 (2-3)	L1941309-06	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	110	28	ug/kg
B-1 (2-3)	L1941309-06	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-1 (2-3)	L1941309-06	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	140	21	ug/kg
B-1 (2-3)	L1941309-06	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	140	43	ug/kg
B-1 (2-3)	L1941309-06	ANTHRACENE	9/17/2019		Y	N	U		U	110	34	ug/kg
B-1 (2-3)	L1941309-06	2-NITROPHENOL	9/17/2019		Y	N	U		U	380	66	ug/kg
B-1 (2-3)	L1941309-06	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	140	27	ug/kg
B-1 (2-3)	L1941309-06	TOTAL TIC COMPOUNDS	9/17/2019	658	Y	Y	J		J			
B-1 (2-3)	L1941309-06	4-NITROPHENOL	9/17/2019		Y	N	U		U	250	72	ug/kg
B-1 (2-3)	L1941309-06	4-NITROANILINE	9/17/2019		Y	N	U		U	180	73	ug/kg
B-1 (2-3)	L1941309-06	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	19	ug/kg
B-1 (2-3)	L1941309-06	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-1 (2-3)	L1941309-06	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	27	ug/kg
B-1 (2-3)	L1941309-06	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	460	85	ug/kg
B-1 (2-3)	L1941309-06	3-NITROANILINE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-1 (2-3)	L1941309-06	ACETOPHENONE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-1 (5-6)	L1941309-07	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	100	20	ug/kg
B-1 (5-6)	L1941309-07	FLUORANTHENE	9/17/2019		Y	N	U		U	100	20	ug/kg
B-1 (5-6)	L1941309-07	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	37	ug/kg
B-1 (5-6)	L1941309-07	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	26	ug/kg
B-1 (5-6)	L1941309-07	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	16	ug/kg
B-1 (5-6)	L1941309-07	PHENANTHRENE	9/17/2019		Y	N	U		U	100	21	ug/kg
B-1 (5-6)	L1941309-07	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	100	20	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (5-6)	L1941309-07	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	16	ug/kg
B-1 (5-6)	L1941309-07	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	500	160	ug/kg
B-1 (5-6)	L1941309-07	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	28	ug/kg
B-1 (5-6)	L1941309-07	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	140	24	ug/kg
B-1 (5-6)	L1941309-07	ISOPHORONE	9/17/2019		Y	N	U		U	160	23	ug/kg
B-1 (5-6)	L1941309-07	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	20	ug/kg
B-1 (5-6)	L1941309-07	NAPHTHALENE	9/17/2019		Y	N	U		U	180	21	ug/kg
B-1 (5-6)	L1941309-07	NITROBENZENE	9/17/2019		Y	N	U		U	160	26	ug/kg
B-1 (5-6)	L1941309-07	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	38	ug/kg
B-1 (5-6)	L1941309-07	PHENOL	9/17/2019		Y	N	U		U	180	26	ug/kg
B-1 (5-6)	L1941309-07	PYRENE	9/17/2019		Y	N	U		U	100	17	ug/kg
B-1 (5-6)	L1941309-07	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	27	ug/kg
B-1 (5-6)	L1941309-07	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	26	ug/kg
B-1 (5-6)	L1941309-07	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	60	ug/kg
B-1 (5-6)	L1941309-07	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	100	28	ug/kg
B-1 (5-6)	L1941309-07	FLUORENE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-1 (5-6)	L1941309-07	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	58	ug/kg
B-1 (5-6)	L1941309-07	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	54	ug/kg
B-1 (5-6)	L1941309-07	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	46	ug/kg
B-1 (5-6)	L1941309-07	2-NITROPHENOL	9/17/2019		Y	N	U		U	380	66	ug/kg
B-1 (5-6)	L1941309-07	2-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-1 (5-6)	L1941309-07	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-1 (5-6)	L1941309-07	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	210	21	ug/kg
B-1 (5-6)	L1941309-07	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	21	ug/kg
B-1 (5-6)	L1941309-07	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	17	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (5-6)	L1941309-07	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	30	ug/kg
B-1 (5-6)	L1941309-07	3-NITROANILINE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-1 (5-6)	L1941309-07	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	840	82	ug/kg
B-1 (5-6)	L1941309-07	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	460	84	ug/kg
B-1 (5-6)	L1941309-07	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	28	ug/kg
B-1 (5-6)	L1941309-07	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	100	33	ug/kg
B-1 (5-6)	L1941309-07	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	34	ug/kg
B-1 (5-6)	L1941309-07	1,4-DIOXANE	9/17/2019		Y	N	U		U	26	8.0	ug/kg
B-1 (5-6)	L1941309-07	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	30	ug/kg
B-1 (5-6)	L1941309-07	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	30	ug/kg
B-1 (5-6)	L1941309-07	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-1 (5-6)	L1941309-07	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	20	ug/kg
B-1 (5-6)	L1941309-07	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-1 (5-6)	L1941309-07	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-1 (5-6)	L1941309-07	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	140	43	ug/kg
B-1 (5-6)	L1941309-07	CHRYSENE	9/17/2019		Y	N	U		U	100	18	ug/kg
B-1 (5-6)	L1941309-07	CARBAZOLE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-1 (5-6)	L1941309-07	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	44	ug/kg
B-1 (5-6)	L1941309-07	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	60	ug/kg
B-1 (5-6)	L1941309-07	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	210	30	ug/kg
B-1 (5-6)	L1941309-07	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	24	ug/kg
B-1 (5-6)	L1941309-07	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	190	18	ug/kg
B-1 (5-6)	L1941309-07	BIPHENYL	9/17/2019		Y	N	U		U	400	41	ug/kg
B-1 (5-6)	L1941309-07	BENZOIC ACID	9/17/2019		Y	N	U		U	570	180	ug/kg
B-1 (5-6)	L1941309-07	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	250	27	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-1 (5-6)	L1941309-07	BENZO(B)FLUORANTHENE	9/17/2019		Y	N	U		U	100	29	ug/kg
B-1 (5-6)	L1941309-07	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-1 (5-6)	L1941309-07	BENZO(A)ANTHRACENE	9/17/2019		Y	N	U		U	100	20	ug/kg
B-1 (5-6)	L1941309-07	ANTHRACENE	9/17/2019		Y	N	U		U	100	34	ug/kg
B-1 (5-6)	L1941309-07	ACETOPHENONE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-1 (5-6)	L1941309-07	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	140	27	ug/kg
B-1 (5-6)	L1941309-07	ACENAPHTHENE	9/17/2019		Y	N	U		U	140	18	ug/kg
B-1 (5-6)	L1941309-07	4-NITROPHENOL	9/17/2019		Y	N	U		U	240	71	ug/kg
B-1 (5-6)	L1941309-07	4-NITROANILINE	9/17/2019		Y	N	U		U	180	72	ug/kg
B-1 (5-6)	L1941309-07	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	19	ug/kg
B-1 (5-6)	L1941309-07	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-1 (5-6)	L1941309-07	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	27	ug/kg
B-1 (5-6)	L1941309-07	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	140	20	ug/kg
B-10 (11-12)	L1941309-16	2-NITROANILINE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-10 (11-12)	L1941309-16	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	48	ug/kg
B-10 (11-12)	L1941309-16	BENZO(B)FLUORANTHENE	9/17/2019		Y	N	U		U	110	30	ug/kg
B-10 (11-12)	L1941309-16	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	260	28	ug/kg
B-10 (11-12)	L1941309-16	3-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-10 (11-12)	L1941309-16	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	470	86	ug/kg
B-10 (11-12)	L1941309-16	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	28	ug/kg
B-10 (11-12)	L1941309-16	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-10 (11-12)	L1941309-16	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
B-10 (11-12)	L1941309-16	4-NITROANILINE	9/17/2019		Y	N	U		U	180	75	ug/kg
B-10 (11-12)	L1941309-16	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	220	22	ug/kg
B-10 (11-12)	L1941309-16	ACENAPHTHENE	9/17/2019		Y	N	U		U	140	19	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (11-12)	L1941309-16	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-10 (11-12)	L1941309-16	ACETOPHENONE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-10 (11-12)	L1941309-16	ANTHRACENE	9/17/2019		Y	N	U		U	110	35	ug/kg
B-10 (11-12)	L1941309-16	BENZO(A)ANTHRACENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-10 (11-12)	L1941309-16	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	140	44	ug/kg
B-10 (11-12)	L1941309-16	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	19	ug/kg
B-10 (11-12)	L1941309-16	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	29	ug/kg
B-10 (11-12)	L1941309-16	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	19	ug/kg
B-10 (11-12)	L1941309-16	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	21	ug/kg
B-10 (11-12)	L1941309-16	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-10 (11-12)	L1941309-16	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-10 (11-12)	L1941309-16	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-10 (11-12)	L1941309-16	1,4-DIOXANE	9/17/2019		Y	N	U		U	27	8.3	ug/kg
B-10 (11-12)	L1941309-16	2-NITROPHENOL	9/17/2019		Y	N	U		U	390	68	ug/kg
B-10 (11-12)	L1941309-16	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	34	ug/kg
B-10 (11-12)	L1941309-16	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	140	28	ug/kg
B-10 (11-12)	L1941309-16	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	59	ug/kg
B-10 (11-12)	L1941309-16	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	860	84	ug/kg
B-10 (11-12)	L1941309-16	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	36	ug/kg
B-10 (11-12)	L1941309-16	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-10 (11-12)	L1941309-16	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-10 (11-12)	L1941309-16	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	21	ug/kg
B-10 (11-12)	L1941309-16	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	34	ug/kg
B-10 (11-12)	L1941309-16	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	20	ug/kg
B-10 (11-12)	L1941309-16	FLUORANTHENE	9/17/2019		Y	N	U		U	110	21	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (11-12)	L1941309-16	FLUORENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-10 (11-12)	L1941309-16	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-10 (11-12)	L1941309-16	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	26	ug/kg
B-10 (11-12)	L1941309-16	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	140	21	ug/kg
B-10 (11-12)	L1941309-16	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	29	ug/kg
B-10 (11-12)	L1941309-16	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	38	ug/kg
B-10 (11-12)	L1941309-16	ISOPHORONE	9/17/2019		Y	N	U		U	160	23	ug/kg
B-10 (11-12)	L1941309-16	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	520	160	ug/kg
B-10 (11-12)	L1941309-16	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-10 (11-12)	L1941309-16	NITROBENZENE	9/17/2019		Y	N	U		U	160	27	ug/kg
B-10 (11-12)	L1941309-16	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	40	ug/kg
B-10 (11-12)	L1941309-16	PHENANTHRENE	9/17/2019		Y	N	U		U	110	22	ug/kg
B-10 (11-12)	L1941309-16	PHENOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-10 (11-12)	L1941309-16	PYRENE	9/17/2019		Y	N	U		U	110	18	ug/kg
B-10 (11-12)	L1941309-16	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	28	ug/kg
B-10 (11-12)	L1941309-16	4-NITROPHENOL	9/17/2019		Y	N	U		U	250	74	ug/kg
B-10 (11-12)	L1941309-16	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	55	ug/kg
B-10 (11-12)	L1941309-16	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	140	25	ug/kg
B-10 (11-12)	L1941309-16	BENZOIC ACID	9/17/2019		Y	N	U		U	580	180	ug/kg
B-10 (11-12)	L1941309-16	BIPHENYL	9/17/2019		Y	N	U		U	410	42	ug/kg
B-10 (11-12)	L1941309-16	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	190	18	ug/kg
B-10 (11-12)	L1941309-16	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	24	ug/kg
B-10 (11-12)	L1941309-16	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	220	31	ug/kg
B-10 (11-12)	L1941309-16	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	62	ug/kg
B-10 (11-12)	L1941309-16	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	17	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (11-12)	L1941309-16	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	110	29	ug/kg
B-10 (11-12)	L1941309-16	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	45	ug/kg
B-10 (11-12)	L1941309-16	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-10 (11-12)	L1941309-16	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-10 (11-12)	L1941309-16	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	61	ug/kg
B-10 (11-12)	L1941309-16	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-10 (11-12)	L1941309-16	CHRYSENE	9/17/2019		Y	N	U		U	110	19	ug/kg
B-10 (11-12)	L1941309-16	CARBAZOLE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-10 (2-3)	L1941309-14	2-NITROPHENOL	9/17/2019		Y	N	U		U	400	69	ug/kg
B-10 (2-3)	L1941309-14	TOTAL TIC COMPOUNDS	9/17/2019	3580	Y	Y	J		J			
B-10 (2-3)	L1941309-14	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	25	ug/kg
B-10 (2-3)	L1941309-14	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	200	18	ug/kg
B-10 (2-3)	L1941309-14	ACENAPHTHENE	9/17/2019	31	Y	Y	J		J	150	19	ug/kg
B-10 (2-3)	L1941309-14	ACENAPHTHYLENE	9/17/2019	98	Y	Y	J		J	150	28	ug/kg
B-10 (2-3)	L1941309-14	CARBAZOLE	9/17/2019	47	Y	Y	J		J	180	18	ug/kg
B-10 (2-3)	L1941309-14	BIPHENYL	9/17/2019		Y	N	U		U	420	42	ug/kg
B-10 (2-3)	L1941309-14	DIBENZOFURAN	9/17/2019	29	Y	Y	J		J	180	17	ug/kg
B-10 (2-3)	L1941309-14	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	46	ug/kg
B-10 (2-3)	L1941309-14	UNKNOWN	9/17/2019	160	Y	Y	J		J			
B-10 (2-3)	L1941309-14	UNKNOWN	9/17/2019	184	Y	Y	J		J			
B-10 (2-3)	L1941309-14	UNKNOWN	9/17/2019	394	Y	Y	J		J			
B-10 (2-3)	L1941309-14	UNKNOWN PAH	9/17/2019	183	Y	Y	J		J			
B-10 (2-3)	L1941309-14	UNKNOWN PAH	9/17/2019	154	Y	Y	J		J			
B-10 (2-3)	L1941309-14	UNKNOWN PHENOL	9/17/2019	2500	Y	Y	J		J			
B-10 (2-3)	L1941309-14	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (2-3)	L1941309-14	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	27	ug/kg
B-10 (2-3)	L1941309-14	PHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
B-10 (2-3)	L1941309-14	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	150	40	ug/kg
B-10 (2-3)	L1941309-14	NITROBENZENE	9/17/2019		Y	N	U		U	160	27	ug/kg
B-10 (2-3)	L1941309-14	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-10 (2-3)	L1941309-14	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	150	21	ug/kg
B-10 (2-3)	L1941309-14	ISOPHORONE	9/17/2019		Y	N	U		U	160	24	ug/kg
B-10 (2-3)	L1941309-14	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	220	31	ug/kg
B-10 (2-3)	L1941309-14	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	520	170	ug/kg
B-10 (2-3)	L1941309-14	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	64	ug/kg
B-10 (2-3)	L1941309-14	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-10 (2-3)	L1941309-14	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	38	ug/kg
B-10 (2-3)	L1941309-14	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-10 (2-3)	L1941309-14	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	62	ug/kg
B-10 (2-3)	L1941309-14	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-10 (2-3)	L1941309-14	FLUORENE	9/17/2019	46	Y	Y	J		J	180	18	ug/kg
B-10 (2-3)	L1941309-14	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	150	30	ug/kg
B-10 (2-3)	L1941309-14	DIBENZO(A,H)ANTHRACENE	9/17/2019	59	Y	Y	J		J	110	21	ug/kg
B-10 (2-3)	L1941309-14	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	22	ug/kg
B-10 (2-3)	L1941309-14	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-10 (2-3)	L1941309-14	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-10 (2-3)	L1941309-14	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	37	ug/kg
B-10 (2-3)	L1941309-14	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	880	86	ug/kg
B-10 (2-3)	L1941309-14	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	60	ug/kg
B-10 (2-3)	L1941309-14	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	220	22	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (2-3)	L1941309-14	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	35	ug/kg
B-10 (2-3)	L1941309-14	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	30	ug/kg
B-10 (2-3)	L1941309-14	1,4-DIOXANE	9/17/2019		Y	N	U		U	28	8.4	ug/kg
B-10 (2-3)	L1941309-14	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-10 (2-3)	L1941309-14	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-10 (2-3)	L1941309-14	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-10 (2-3)	L1941309-14	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	21	ug/kg
B-10 (2-3)	L1941309-14	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	19	ug/kg
B-10 (2-3)	L1941309-14	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	56	ug/kg
B-10 (2-3)	L1941309-14	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-10 (2-3)	L1941309-14	4-NITROANILINE	9/17/2019		Y	N	U		U	180	76	ug/kg
B-10 (2-3)	L1941309-14	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	35	ug/kg
B-10 (2-3)	L1941309-14	ACETOPHENONE	9/17/2019		Y	N	U		U	180	23	ug/kg
B-10 (2-3)	L1941309-14	BENZOIC ACID	9/17/2019		Y	N	U		U	590	180	ug/kg
B-10 (2-3)	L1941309-14	4-NITROPHENOL	9/17/2019		Y	N	U		U	260	75	ug/kg
B-10 (2-3)	L1941309-14	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	20	ug/kg
B-10 (2-3)	L1941309-14	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	28	ug/kg
B-10 (2-3)	L1941309-14	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	480	88	ug/kg
B-10 (2-3)	L1941309-14	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	28	ug/kg
B-10 (2-3)	L1941309-14	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-10 (2-3)	L1941309-14	3-NITROANILINE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-10 (2-3)	L1941309-14	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	260	29	ug/kg
B-10 (2-3)	L1941309-14	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	49	ug/kg
B-10 (2-3)	L1941309-14	2-NITROANILINE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-10 (2-3)	L1941309-14	PYRENE	9/17/2019	860	Y	Y				110	18	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (2-3)	L1941309-14	ANTHRACENE	9/17/2019	120	Y	Y				110	36	ug/kg
B-10 (2-3)	L1941309-14	BENZO(K)FLUORANTHENE	9/17/2019	160	Y	Y				110	29	ug/kg
B-10 (2-3)	L1941309-14	INDENO(1,2,3-CD)PYRENE	9/17/2019	270	Y	Y				150	26	ug/kg
B-10 (2-3)	L1941309-14	FLUORANTHENE	9/17/2019	960	Y	Y				110	21	ug/kg
B-10 (2-3)	L1941309-14	CHRYSENE	9/17/2019	440	Y	Y				110	19	ug/kg
B-10 (2-3)	L1941309-14	PHENANTHRENE	9/17/2019	640	Y	Y				110	22	ug/kg
B-10 (2-3)	L1941309-14	BENZO(GHI)PERYLENE	9/17/2019	260	Y	Y				150	22	ug/kg
B-10 (2-3)	L1941309-14	BENZO(B)FLUORANTHENE	9/17/2019	530	Y	Y				110	31	ug/kg
B-10 (2-3)	L1941309-14	BENZO(A)PYRENE	9/17/2019	380	Y	Y				150	45	ug/kg
B-10 (2-3)	L1941309-14	BENZO(A)ANTHRACENE	9/17/2019	420	Y	Y				110	21	ug/kg
B-10 (7-8)	L1941309-15	UNKNOWN PAH	9/17/2019	390	Y	Y	J		J			
B-10 (7-8)	L1941309-15	FLUORENE	9/17/2019	93	Y	Y	J		J	190	18	ug/kg
B-10 (7-8)	L1941309-15	UNKNOWN PAH	9/17/2019	229	Y	Y	J		J			
B-10 (7-8)	L1941309-15	UNKNOWN PAH	9/17/2019	196	Y	Y	J		J			
B-10 (7-8)	L1941309-15	UNKNOWN PAH	9/17/2019	400	Y	Y	J		J			
B-10 (7-8)	L1941309-15	UNKNOWN PAH	9/17/2019	262	Y	Y	J		J			
B-10 (7-8)	L1941309-15	UNKNOWN PAH	9/17/2019	303	Y	Y	J		J			
B-10 (7-8)	L1941309-15	UNKNOWN PAH	9/17/2019	184	Y	Y	J		J			
B-10 (7-8)	L1941309-15	UNKNOWN PAH	9/17/2019	269	Y	Y	J		J			
B-10 (7-8)	L1941309-15	UNKNOWN PAH	9/17/2019	497	Y	Y	J		J			
B-10 (7-8)	L1941309-15	UNKNOWN	9/17/2019	220	Y	Y	J		J			
B-10 (7-8)	L1941309-15	UNKNOWN	9/17/2019	1280	Y	Y	J		J			
B-10 (7-8)	L1941309-15	NAPHTHALENE	9/17/2019	100	Y	Y	J		J	190	23	ug/kg
B-10 (7-8)	L1941309-15	UNKNOWN PAH	9/17/2019	225	Y	Y	J		J			
B-10 (7-8)	L1941309-15	DIBENZOFURAN	9/17/2019	71	Y	Y	J		J	190	18	ug/kg

SDG: L1941309

Analytical Method	SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (7-8)	L1941309-15	CARBAZOLE	9/17/2019	130	Y	Y	J		J	190	18	ug/kg
B-10 (7-8)	L1941309-15	ACENAPHTHENE	9/17/2019	65	Y	Y	J		J	150	19	ug/kg
B-10 (7-8)	L1941309-15	2-METHYLNAPHTHALENE	9/17/2019	33	Y	Y	J		J	220	23	ug/kg
B-10 (7-8)	L1941309-15	VANILLIN	9/17/2019	189	Y	Y	NJ		J			
B-10 (7-8)	L1941309-15	UNKNOWN PAH	9/17/2019	306	Y	Y	J		J			
B-10 (7-8)	L1941309-15	TOTAL TIC COMPOUNDS	9/17/2019	5290	Y	Y	J		J			
B-10 (7-8)	L1941309-15	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	190	21	ug/kg
B-10 (7-8)	L1941309-15	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	190	32	ug/kg
B-10 (7-8)	L1941309-15	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	190	37	ug/kg
B-10 (7-8)	L1941309-15	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	900	87	ug/kg
B-10 (7-8)	L1941309-15	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	190	62	ug/kg
B-10 (7-8)	L1941309-15	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	170	30	ug/kg
B-10 (7-8)	L1941309-15	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	36	ug/kg
B-10 (7-8)	L1941309-15	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	190	36	ug/kg
B-10 (7-8)	L1941309-15	1,4-DIOXANE	9/17/2019		Y	N	U		U	28	8.6	ug/kg
B-10 (7-8)	L1941309-15	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	190	33	ug/kg
B-10 (7-8)	L1941309-15	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	190	34	ug/kg
B-10 (7-8)	L1941309-15	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	190	20	ug/kg
B-10 (7-8)	L1941309-15	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	190	32	ug/kg
B-10 (7-8)	L1941309-15	UNKNOWN PAH	9/17/2019	335	Y	Y	J		J			
B-10 (7-8)	L1941309-15	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	190	28	ug/kg
B-10 (7-8)	L1941309-15	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	490	90	ug/kg
B-10 (7-8)	L1941309-15	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	190	29	ug/kg
B-10 (7-8)	L1941309-15	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	190	64	ug/kg
B-10 (7-8)	L1941309-15	4-NITROPHENOL	9/17/2019		Y	N	U		U	260	76	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (7-8)	L1941309-15	ACETOPHENONE	9/17/2019		Y	N	U		U	190	23	ug/kg
B-10 (7-8)	L1941309-15	BENZOIC ACID	9/17/2019		Y	N	U		U	610	190	ug/kg
B-10 (7-8)	L1941309-15	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	190	57	ug/kg
B-10 (7-8)	L1941309-15	BIPHENYL	9/17/2019		Y	N	U		U	430	43	ug/kg
B-10 (7-8)	L1941309-15	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	200	19	ug/kg
B-10 (7-8)	L1941309-15	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	170	25	ug/kg
B-10 (7-8)	L1941309-15	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	220	32	ug/kg
B-10 (7-8)	L1941309-15	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	190	65	ug/kg
B-10 (7-8)	L1941309-15	PHENOL	9/17/2019		Y	N	U		U	190	28	ug/kg
B-10 (7-8)	L1941309-15	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	190	36	ug/kg
B-10 (7-8)	L1941309-15	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	190	29	ug/kg
B-10 (7-8)	L1941309-15	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	190	17	ug/kg
B-10 (7-8)	L1941309-15	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	190	39	ug/kg
B-10 (7-8)	L1941309-15	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-10 (7-8)	L1941309-15	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	190	27	ug/kg
B-10 (7-8)	L1941309-15	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	540	170	ug/kg
B-10 (7-8)	L1941309-15	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	150	30	ug/kg
B-10 (7-8)	L1941309-15	4-CHLOROANILINE	9/17/2019		Y	N	U		U	190	34	ug/kg
B-10 (7-8)	L1941309-15	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	150	21	ug/kg
B-10 (7-8)	L1941309-15	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	150	41	ug/kg
B-10 (7-8)	L1941309-15	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	190	47	ug/kg
B-10 (7-8)	L1941309-15	FLUORANTHENE	9/17/2019	2900	Y	Y				110	22	ug/kg
B-10 (7-8)	L1941309-15	CHRYSENE	9/17/2019	1500	Y	Y				110	19	ug/kg
B-10 (7-8)	L1941309-15	BENZO(K)FLUORANTHENE	9/17/2019	660	Y	Y				110	30	ug/kg
B-10 (7-8)	L1941309-15	BENZO(GHI)PERYLENE	9/17/2019	1000	Y	Y				150	22	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (7-8)	L1941309-15	BENZO(B)FLUORANTHENE	9/17/2019	1800	Y	Y				110	32	ug/kg
B-10 (7-8)	L1941309-15	BENZO(A)PYRENE	9/17/2019	1400	Y	Y				150	46	ug/kg
B-10 (7-8)	L1941309-15	BENZO(A)ANTHRACENE	9/17/2019	1400	Y	Y				110	21	ug/kg
B-10 (7-8)	L1941309-15	ANTHRACENE	9/17/2019	320	Y	Y				110	36	ug/kg
B-10 (7-8)	L1941309-15	ACENAPHTHYLENE	9/17/2019	380	Y	Y				150	29	ug/kg
B-10 (7-8)	L1941309-15	PYRENE	9/17/2019	2700	Y	Y				110	19	ug/kg
B-10 (7-8)	L1941309-15	4-NITROANILINE	9/17/2019		Y	N	U		U	190	78	ug/kg
B-10 (7-8)	L1941309-15	INDENO(1,2,3-CD)PYRENE	9/17/2019	1000	Y	Y				150	26	ug/kg
B-10 (7-8)	L1941309-15	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	190	20	ug/kg
B-10 (7-8)	L1941309-15	DIBENZO(A,H)ANTHRACENE	9/17/2019	220	Y	Y				110	22	ug/kg
B-10 (7-8)	L1941309-15	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	190	18	ug/kg
B-10 (7-8)	L1941309-15	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	190	22	ug/kg
B-10 (7-8)	L1941309-15	2-METHYLPHENOL	9/17/2019		Y	N	U		U	190	29	ug/kg
B-10 (7-8)	L1941309-15	2-NITROANILINE	9/17/2019		Y	N	U		U	190	36	ug/kg
B-10 (7-8)	L1941309-15	2-NITROPHENOL	9/17/2019		Y	N	U		U	400	70	ug/kg
B-10 (7-8)	L1941309-15	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	190	50	ug/kg
B-10 (7-8)	L1941309-15	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	270	29	ug/kg
B-10 (7-8)	L1941309-15	3-NITROANILINE	9/17/2019		Y	N	U		U	190	35	ug/kg
B-10 (7-8)	L1941309-15	NITROBENZENE	9/17/2019		Y	N	U		U	170	28	ug/kg
B-10 (7-8)	L1941309-15	PHENANTHRENE	9/17/2019	1300	Y	Y				110	23	ug/kg
B-10 (7-8)	L1941309-15	ISOPHORONE	9/17/2019		Y	N	U		U	170	24	ug/kg
B-11 (0-1)	L1941309-10	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	200	54	ug/kg
B-11 (0-1)	L1941309-10	ANTHRACENE	9/17/2019	46	Y	Y	J		J	120	40	ug/kg
B-11 (0-1)	L1941309-10	CARBAZOLE	9/17/2019	60	Y	Y	J		J	200	20	ug/kg
B-11 (0-1)	L1941309-10	DIBENZO(A,H)ANTHRACENE	9/17/2019	47	Y	Y	J		J	120	23	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (0-1)	L1941309-10	2-METHYLPHENOL	9/17/2019		Y	N	U		U	200	31	ug/kg
B-11 (0-1)	L1941309-10	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	200	23	ug/kg
B-11 (0-1)	L1941309-10	2-NITROPHENOL	9/17/2019		Y	N	U		U	440	76	ug/kg
B-11 (0-1)	L1941309-10	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	290	32	ug/kg
B-11 (0-1)	L1941309-10	3-NITROANILINE	9/17/2019		Y	N	U		U	200	38	ug/kg
B-11 (0-1)	L1941309-10	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	530	97	ug/kg
B-11 (0-1)	L1941309-10	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	200	31	ug/kg
B-11 (0-1)	L1941309-10	4-CHLOROANILINE	9/17/2019		Y	N	U		U	200	37	ug/kg
B-11 (0-1)	L1941309-10	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	200	22	ug/kg
B-11 (0-1)	L1941309-10	2-NITROANILINE	9/17/2019		Y	N	U		U	200	39	ug/kg
B-11 (0-1)	L1941309-10	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	200	39	ug/kg
B-11 (0-1)	L1941309-10	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	180	33	ug/kg
B-11 (0-1)	L1941309-10	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	200	67	ug/kg
B-11 (0-1)	L1941309-10	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	970	94	ug/kg
B-11 (0-1)	L1941309-10	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	200	40	ug/kg
B-11 (0-1)	L1941309-10	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	200	35	ug/kg
B-11 (0-1)	L1941309-10	2-METHYLNAPHTHALENE	9/17/2019	27	Y	Y	J		J	240	24	ug/kg
B-11 (0-1)	L1941309-10	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	200	24	ug/kg
B-11 (0-1)	L1941309-10	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	120	38	ug/kg
B-11 (0-1)	L1941309-10	BIPHENYL	9/17/2019		Y	N	U		U	460	47	ug/kg
B-11 (0-1)	L1941309-10	1,4-DIOXANE	9/17/2019		Y	N	U		U	30	9.3	ug/kg
B-11 (0-1)	L1941309-10	4-NITROANILINE	9/17/2019		Y	N	U		U	200	84	ug/kg
B-11 (0-1)	L1941309-10	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	200	35	ug/kg
B-11 (0-1)	L1941309-10	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	200	35	ug/kg
B-11 (0-1)	L1941309-10	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	200	36	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (0-1)	L1941309-10	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	200	20	ug/kg
B-11 (0-1)	L1941309-10	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	200	69	ug/kg
B-11 (0-1)	L1941309-10	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	200	30	ug/kg
B-11 (0-1)	L1941309-10	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	200	31	ug/kg
B-11 (0-1)	L1941309-10	PHENOL	9/17/2019		Y	N	U		U	200	31	ug/kg
B-11 (0-1)	L1941309-10	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	160	45	ug/kg
B-11 (0-1)	L1941309-10	NITROBENZENE	9/17/2019		Y	N	U		U	180	30	ug/kg
B-11 (0-1)	L1941309-10	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	160	23	ug/kg
B-11 (0-1)	L1941309-10	ISOPHORONE	9/17/2019		Y	N	U		U	180	26	ug/kg
B-11 (0-1)	L1941309-10	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	160	33	ug/kg
B-11 (0-1)	L1941309-10	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	580	180	ug/kg
B-11 (0-1)	L1941309-10	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	200	30	ug/kg
B-11 (0-1)	L1941309-10	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	120	23	ug/kg
B-11 (0-1)	L1941309-10	FLUORENE	9/17/2019		Y	N	U		U	200	20	ug/kg
B-11 (0-1)	L1941309-10	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	200	43	ug/kg
B-11 (0-1)	L1941309-10	BENZOIC ACID	9/17/2019		Y	N	U		U	660	200	ug/kg
B-11 (0-1)	L1941309-10	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	220	20	ug/kg
B-11 (0-1)	L1941309-10	4-NITROPHENOL	9/17/2019		Y	N	U		U	280	83	ug/kg
B-11 (0-1)	L1941309-10	ACENAPHTHENE	9/17/2019		Y	N	U		U	160	21	ug/kg
B-11 (0-1)	L1941309-10	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	160	31	ug/kg
B-11 (0-1)	L1941309-10	ACETOPHENONE	9/17/2019		Y	N	U		U	200	25	ug/kg
B-11 (0-1)	L1941309-10	NAPHTHALENE	9/17/2019	38	Y	Y	J		J	200	25	ug/kg
B-11 (0-1)	L1941309-10	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	200	19	ug/kg
B-11 (0-1)	L1941309-10	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	200	21	ug/kg
B-11 (0-1)	L1941309-10	DIBENZOFURAN	9/17/2019		Y	N	U		U	200	19	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (0-1)	L1941309-10	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	180	28	ug/kg
B-11 (0-1)	L1941309-10	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	240	35	ug/kg
B-11 (0-1)	L1941309-10	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	200	70	ug/kg
B-11 (0-1)	L1941309-10	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	200	51	ug/kg
B-11 (0-1)	L1941309-10	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	200	38	ug/kg
B-11 (0-1)	L1941309-10	TETRACHLOROETHENE	9/17/2019	960	Y	Y	NJ		J			
B-11 (0-1)	L1941309-10	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	200	62	ug/kg
B-11 (0-1)	L1941309-10	UNKNOWN	9/17/2019	954	Y	Y	J		J			
B-11 (0-1)	L1941309-10	TOTAL TIC COMPOUNDS	9/17/2019	3970	Y	Y	J		J			
B-11 (0-1)	L1941309-10	UNKNOWN PAH	9/17/2019	203	Y	Y	J		J			
B-11 (0-1)	L1941309-10	UNKNOWN	9/17/2019	842	Y	Y	J		J			
B-11 (0-1)	L1941309-10	UNKNOWN	9/17/2019	181	Y	Y	J		J			
B-11 (0-1)	L1941309-10	UNKNOWN	9/17/2019	832	Y	Y	J		J			
B-11 (0-1)	L1941309-10	BENZO(A)ANTHRACENE	9/17/2019	310	Y	Y				120	23	ug/kg
B-11 (0-1)	L1941309-10	CHRYSENE	9/17/2019	340	Y	Y				120	21	ug/kg
B-11 (0-1)	L1941309-10	FLUORANTHENE	9/17/2019	590	Y	Y				120	23	ug/kg
B-11 (0-1)	L1941309-10	INDENO(1,2,3-CD)PYRENE	9/17/2019	180	Y	Y				160	28	ug/kg
B-11 (0-1)	L1941309-10	PHENANTHRENE	9/17/2019	330	Y	Y				120	25	ug/kg
B-11 (0-1)	L1941309-10	PYRENE	9/17/2019	470	Y	Y				120	20	ug/kg
B-11 (0-1)	L1941309-10	BENZO(GHI)PERYLENE	9/17/2019	170	Y	Y				160	24	ug/kg
B-11 (0-1)	L1941309-10	BENZO(B)FLUORANTHENE	9/17/2019	370	Y	Y				120	34	ug/kg
B-11 (0-1)	L1941309-10	BENZO(A)PYRENE	9/17/2019	240	Y	Y				160	50	ug/kg
B-11 (0-1)	L1941309-10	BENZO(K)FLUORANTHENE	9/17/2019	120	Y	Y				120	32	ug/kg
B-11 (6-7)	L1941309-09	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	200	18	ug/kg
B-11 (6-7)	L1941309-09	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	24	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (6-7)	L1941309-09	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	220	31	ug/kg
B-11 (6-7)	L1941309-09	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	63	ug/kg
B-11 (6-7)	L1941309-09	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	55	ug/kg
B-11 (6-7)	L1941309-09	CARBAZOLE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-11 (6-7)	L1941309-09	BENZO(B)FLUORANTHENE	9/17/2019		Y	N	U		U	110	30	ug/kg
B-11 (6-7)	L1941309-09	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-11 (6-7)	L1941309-09	CHRYSENE	9/17/2019		Y	N	U		U	110	19	ug/kg
B-11 (6-7)	L1941309-09	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-11 (6-7)	L1941309-09	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	62	ug/kg
B-11 (6-7)	L1941309-09	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-11 (6-7)	L1941309-09	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	17	ug/kg
B-11 (6-7)	L1941309-09	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	46	ug/kg
B-11 (6-7)	L1941309-09	BENZOIC ACID	9/17/2019		Y	N	U		U	590	180	ug/kg
B-11 (6-7)	L1941309-09	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	110	29	ug/kg
B-11 (6-7)	L1941309-09	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-11 (6-7)	L1941309-09	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	220	22	ug/kg
B-11 (6-7)	L1941309-09	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-11 (6-7)	L1941309-09	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	140	44	ug/kg
B-11 (6-7)	L1941309-09	BENZO(A)ANTHRACENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-11 (6-7)	L1941309-09	ANTHRACENE	9/17/2019		Y	N	U		U	110	35	ug/kg
B-11 (6-7)	L1941309-09	ACETOPHENONE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-11 (6-7)	L1941309-09	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	140	28	ug/kg
B-11 (6-7)	L1941309-09	ACENAPHTHENE	9/17/2019		Y	N	U		U	140	19	ug/kg
B-11 (6-7)	L1941309-09	4-NITROPHENOL	9/17/2019		Y	N	U		U	250	74	ug/kg
B-11 (6-7)	L1941309-09	4-NITROANILINE	9/17/2019		Y	N	U		U	180	75	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (6-7)	L1941309-09	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	19	ug/kg
B-11 (6-7)	L1941309-09	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	140	21	ug/kg
B-11 (6-7)	L1941309-09	NITROBENZENE	9/17/2019		Y	N	U		U	160	27	ug/kg
B-11 (6-7)	L1941309-09	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	19	ug/kg
B-11 (6-7)	L1941309-09	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	21	ug/kg
B-11 (6-7)	L1941309-09	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-11 (6-7)	L1941309-09	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-11 (6-7)	L1941309-09	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-11 (6-7)	L1941309-09	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-11 (6-7)	L1941309-09	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	34	ug/kg
B-11 (6-7)	L1941309-09	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	29	ug/kg
B-11 (6-7)	L1941309-09	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	60	ug/kg
B-11 (6-7)	L1941309-09	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	28	ug/kg
B-11 (6-7)	L1941309-09	PYRENE	9/17/2019		Y	N	U		U	110	18	ug/kg
B-11 (6-7)	L1941309-09	PHENOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-11 (6-7)	L1941309-09	FLUORANTHENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-11 (6-7)	L1941309-09	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	40	ug/kg
B-11 (6-7)	L1941309-09	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-11 (6-7)	L1941309-09	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	870	84	ug/kg
B-11 (6-7)	L1941309-09	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-11 (6-7)	L1941309-09	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	21	ug/kg
B-11 (6-7)	L1941309-09	ISOPHORONE	9/17/2019		Y	N	U		U	160	24	ug/kg
B-11 (6-7)	L1941309-09	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	140	25	ug/kg
B-11 (6-7)	L1941309-09	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	29	ug/kg
B-11 (6-7)	L1941309-09	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	520	160	ug/kg

SDG: L1941309

Analytical Method	SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-11 (6-7)	L1941309-09	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	36	ug/kg
B-11 (6-7)	L1941309-09	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	26	ug/kg
B-11 (6-7)	L1941309-09	BIPHENYL	9/17/2019		Y	N	U		U	410	42	ug/kg
B-11 (6-7)	L1941309-09	FLUORENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-11 (6-7)	L1941309-09	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-11 (6-7)	L1941309-09	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	38	ug/kg
B-11 (6-7)	L1941309-09	PHENANTHRENE	9/17/2019		Y	N	U		U	110	22	ug/kg
B-11 (6-7)	L1941309-09	3-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-11 (6-7)	L1941309-09	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	48	ug/kg
B-11 (6-7)	L1941309-09	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	21	ug/kg
B-11 (6-7)	L1941309-09	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	28	ug/kg
B-11 (6-7)	L1941309-09	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	470	87	ug/kg
B-11 (6-7)	L1941309-09	1,4-DIOXANE	9/17/2019		Y	N	U		U	27	8.3	ug/kg
B-11 (6-7)	L1941309-09	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	35	ug/kg
B-11 (6-7)	L1941309-09	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
B-11 (6-7)	L1941309-09	2-NITROANILINE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-11 (6-7)	L1941309-09	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	260	28	ug/kg
B-11 (6-7)	L1941309-09	2-NITROPHENOL	9/17/2019		Y	N	U		U	390	68	ug/kg
B-15 (3-4)	L1941309-17	TOTAL TIC COMPOUNDS	9/17/2019	2010	Y	Y	J		J			
B-15 (3-4)	L1941309-17	UNKNOWN ALKANE	9/17/2019	298	Y	Y	J		J			
B-15 (3-4)	L1941309-17	DIBENZO(A,H)ANTHRACENE	9/17/2019	37	Y	Y	J		J	110	21	ug/kg
B-15 (3-4)	L1941309-17	INDENO(1,2,3-CD)PYRENE	9/17/2019	110	Y	Y	J		J	140	25	ug/kg
B-15 (3-4)	L1941309-17	ACENAPHTHYLENE	9/17/2019	38	Y	Y	J		J	140	28	ug/kg
B-15 (3-4)	L1941309-17	BENZO(K)FLUORANTHENE	9/17/2019	70	Y	Y	J		J	110	29	ug/kg
B-15 (3-4)	L1941309-17	ANTHRACENE	9/17/2019	38	Y	Y	J		J	110	35	ug/kg

SDG: L1941309

Analytical Method	SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (3-4)	L1941309-17	BENZO(GHI)PERYLENE	9/17/2019	120	Y	Y	J		J	140	21	ug/kg
B-15 (3-4)	L1941309-17	UNKNOWN PHENOL	9/17/2019	1710	Y	Y	J		J			
B-15 (3-4)	L1941309-17	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019	170	Y	Y	J		J	180	62	ug/kg
B-15 (3-4)	L1941309-17	FLUORENE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-15 (3-4)	L1941309-17	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	19	ug/kg
B-15 (3-4)	L1941309-17	BENZO(A)ANTHRACENE	9/17/2019	180	Y	Y				110	20	ug/kg
B-15 (3-4)	L1941309-17	BENZO(A)PYRENE	9/17/2019	170	Y	Y				140	44	ug/kg
B-15 (3-4)	L1941309-17	CHRYSENE	9/17/2019	200	Y	Y				110	19	ug/kg
B-15 (3-4)	L1941309-17	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-15 (3-4)	L1941309-17	PYRENE	9/17/2019	300	Y	Y				110	18	ug/kg
B-15 (3-4)	L1941309-17	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	17	ug/kg
B-15 (3-4)	L1941309-17	PHENANTHRENE	9/17/2019	130	Y	Y				110	22	ug/kg
B-15 (3-4)	L1941309-17	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	55	ug/kg
B-15 (3-4)	L1941309-17	PHENOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-15 (3-4)	L1941309-17	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	28	ug/kg
B-15 (3-4)	L1941309-17	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-15 (3-4)	L1941309-17	4-NITROANILINE	9/17/2019		Y	N	U		U	180	74	ug/kg
B-15 (3-4)	L1941309-17	4-NITROPHENOL	9/17/2019		Y	N	U		U	250	73	ug/kg
B-15 (3-4)	L1941309-17	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-15 (3-4)	L1941309-17	ACENAPHTHENE	9/17/2019		Y	N	U		U	140	19	ug/kg
B-15 (3-4)	L1941309-17	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	38	ug/kg
B-15 (3-4)	L1941309-17	BENZOIC ACID	9/17/2019		Y	N	U		U	580	180	ug/kg
B-15 (3-4)	L1941309-17	FLUORANTHENE	9/17/2019	320	Y	Y				110	21	ug/kg
B-15 (3-4)	L1941309-17	BIPHENYL	9/17/2019		Y	N	U		U	410	42	ug/kg
B-15 (3-4)	L1941309-17	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	190	18	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (3-4)	L1941309-17	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	24	ug/kg
B-15 (3-4)	L1941309-17	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	220	31	ug/kg
B-15 (3-4)	L1941309-17	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	45	ug/kg
B-15 (3-4)	L1941309-17	CARBAZOLE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-15 (3-4)	L1941309-17	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-15 (3-4)	L1941309-17	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	61	ug/kg
B-15 (3-4)	L1941309-17	ACETOPHENONE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-15 (3-4)	L1941309-17	2-NITROANILINE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-15 (3-4)	L1941309-17	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	59	ug/kg
B-15 (3-4)	L1941309-17	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	860	84	ug/kg
B-15 (3-4)	L1941309-17	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	36	ug/kg
B-15 (3-4)	L1941309-17	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-15 (3-4)	L1941309-17	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-15 (3-4)	L1941309-17	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	21	ug/kg
B-15 (3-4)	L1941309-17	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	29	ug/kg
B-15 (3-4)	L1941309-17	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	40	ug/kg
B-15 (3-4)	L1941309-17	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
B-15 (3-4)	L1941309-17	BENZO(B)FLUORANTHENE	9/17/2019	220	Y	Y				110	30	ug/kg
B-15 (3-4)	L1941309-17	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	48	ug/kg
B-15 (3-4)	L1941309-17	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	260	28	ug/kg
B-15 (3-4)	L1941309-17	3-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-15 (3-4)	L1941309-17	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	470	86	ug/kg
B-15 (3-4)	L1941309-17	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	27	ug/kg
B-15 (3-4)	L1941309-17	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-15 (3-4)	L1941309-17	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	220	22	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (3-4)	L1941309-17	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	29	ug/kg
B-15 (3-4)	L1941309-17	2-NITROPHENOL	9/17/2019		Y	N	U		U	390	68	ug/kg
B-15 (3-4)	L1941309-17	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	34	ug/kg
B-15 (3-4)	L1941309-17	NITROBENZENE	9/17/2019		Y	N	U		U	160	27	ug/kg
B-15 (3-4)	L1941309-17	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-15 (3-4)	L1941309-17	ISOPHORONE	9/17/2019		Y	N	U		U	160	23	ug/kg
B-15 (3-4)	L1941309-17	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	510	160	ug/kg
B-15 (3-4)	L1941309-17	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	26	ug/kg
B-15 (3-4)	L1941309-17	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-15 (3-4)	L1941309-17	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	34	ug/kg
B-15 (3-4)	L1941309-17	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	20	ug/kg
B-15 (3-4)	L1941309-17	1,4-DIOXANE	9/17/2019		Y	N	U		U	27	8.3	ug/kg
B-15 (3-4)	L1941309-17	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	19	ug/kg
B-15 (3-4)	L1941309-17	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-15 (3-4)	L1941309-17	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-15 (3-4)	L1941309-17	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	20	ug/kg
B-15 (6-7)	L1941309-18	UNKNOWN	9/17/2019	233	Y	Y	J		J			
B-15 (6-7)	L1941309-18	UNKNOWN	9/17/2019	207	Y	Y	J		J			
B-15 (6-7)	L1941309-18	UNKNOWN	9/17/2019	316	Y	Y	J		J			
B-15 (6-7)	L1941309-18	UNKNOWN	9/17/2019	498	Y	Y	J		J			
B-15 (6-7)	L1941309-18	UNKNOWN	9/17/2019	406	Y	Y	J		J			
B-15 (6-7)	L1941309-18	UNKNOWN	9/17/2019	415	Y	Y	J		J			
B-15 (6-7)	L1941309-18	UNKNOWN PHENOL	9/17/2019	4080	Y	Y	J		J			
B-15 (6-7)	L1941309-18	UNKNOWN	9/17/2019	243	Y	Y	J		J			
B-15 (6-7)	L1941309-18	UNKNOWN	9/17/2019	268	Y	Y	J		J			

SDG: L1941309

Analytical Method	SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (6-7)	L1941309-18	UNKNOWN	9/17/2019	249	Y	Y	J		J			
B-15 (6-7)	L1941309-18	TOTAL TIC COMPOUNDS	9/17/2019	6920	Y	Y	J		J			
B-15 (6-7)	L1941309-18	PYRENE	9/17/2019	23	Y	Y	J		J	110	18	ug/kg
B-15 (6-7)	L1941309-18	PHENANTHRENE	9/17/2019	22	Y	Y	J		J	110	22	ug/kg
B-15 (6-7)	L1941309-18	FLUORANTHENE	9/17/2019	27	Y	Y	J		J	110	21	ug/kg
B-15 (6-7)	L1941309-18	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-15 (6-7)	L1941309-18	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	19	ug/kg
B-15 (6-7)	L1941309-18	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	49	ug/kg
B-15 (6-7)	L1941309-18	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	270	29	ug/kg
B-15 (6-7)	L1941309-18	2-NITROANILINE	9/17/2019		Y	N	U		U	180	36	ug/kg
B-15 (6-7)	L1941309-18	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	29	ug/kg
B-15 (6-7)	L1941309-18	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	220	22	ug/kg
B-15 (6-7)	L1941309-18	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	22	ug/kg
B-15 (6-7)	L1941309-18	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-15 (6-7)	L1941309-18	2-NITROPHENOL	9/17/2019		Y	N	U		U	400	70	ug/kg
B-15 (6-7)	L1941309-18	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	890	86	ug/kg
B-15 (6-7)	L1941309-18	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	170	30	ug/kg
B-15 (6-7)	L1941309-18	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	35	ug/kg
B-15 (6-7)	L1941309-18	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	35	ug/kg
B-15 (6-7)	L1941309-18	1,4-DIOXANE	9/17/2019		Y	N	U		U	28	8.5	ug/kg
B-15 (6-7)	L1941309-18	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-15 (6-7)	L1941309-18	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-15 (6-7)	L1941309-18	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	21	ug/kg
B-15 (6-7)	L1941309-18	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	37	ug/kg
B-15 (6-7)	L1941309-18	3-NITROANILINE	9/17/2019		Y	N	U		U	180	35	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (6-7)	L1941309-18	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-15 (6-7)	L1941309-18	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	530	170	ug/kg
B-15 (6-7)	L1941309-18	CARBAZOLE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-15 (6-7)	L1941309-18	CHRYSENE	9/17/2019		Y	N	U		U	110	19	ug/kg
B-15 (6-7)	L1941309-18	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-15 (6-7)	L1941309-18	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	63	ug/kg
B-15 (6-7)	L1941309-18	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-15 (6-7)	L1941309-18	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	480	89	ug/kg
B-15 (6-7)	L1941309-18	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-15 (6-7)	L1941309-18	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	61	ug/kg
B-15 (6-7)	L1941309-18	FLUORENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-15 (6-7)	L1941309-18	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	47	ug/kg
B-15 (6-7)	L1941309-18	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	27	ug/kg
B-15 (6-7)	L1941309-18	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	18	ug/kg
B-15 (6-7)	L1941309-18	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	150	30	ug/kg
B-15 (6-7)	L1941309-18	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	150	26	ug/kg
B-15 (6-7)	L1941309-18	ISOPHORONE	9/17/2019		Y	N	U		U	170	24	ug/kg
B-15 (6-7)	L1941309-18	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	150	21	ug/kg
B-15 (6-7)	L1941309-18	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-15 (6-7)	L1941309-18	NITROBENZENE	9/17/2019		Y	N	U		U	170	27	ug/kg
B-15 (6-7)	L1941309-18	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	150	41	ug/kg
B-15 (6-7)	L1941309-18	PHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
B-15 (6-7)	L1941309-18	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	29	ug/kg
B-15 (6-7)	L1941309-18	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	28	ug/kg
B-15 (6-7)	L1941309-18	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	21	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-15 (6-7)	L1941309-18	ANTHRACENE	9/17/2019		Y	N	U		U	110	36	ug/kg
B-15 (6-7)	L1941309-18	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	200	18	ug/kg
B-15 (6-7)	L1941309-18	BIPHENYL	9/17/2019		Y	N	U		U	420	43	ug/kg
B-15 (6-7)	L1941309-18	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	57	ug/kg
B-15 (6-7)	L1941309-18	BENZOIC ACID	9/17/2019		Y	N	U		U	600	190	ug/kg
B-15 (6-7)	L1941309-18	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	110	30	ug/kg
B-15 (6-7)	L1941309-18	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	150	22	ug/kg
B-15 (6-7)	L1941309-18	BENZO(B)FLUORANTHENE	9/17/2019		Y	N	U		U	110	31	ug/kg
B-15 (6-7)	L1941309-18	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	170	25	ug/kg
B-15 (6-7)	L1941309-18	BENZO(A)ANTHRACENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-15 (6-7)	L1941309-18	4-NITROPHENOL	9/17/2019		Y	N	U		U	260	76	ug/kg
B-15 (6-7)	L1941309-18	ACETOPHENONE	9/17/2019		Y	N	U		U	180	23	ug/kg
B-15 (6-7)	L1941309-18	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	150	29	ug/kg
B-15 (6-7)	L1941309-18	ACENAPHTHENE	9/17/2019		Y	N	U		U	150	19	ug/kg
B-15 (6-7)	L1941309-18	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	64	ug/kg
B-15 (6-7)	L1941309-18	4-NITROANILINE	9/17/2019		Y	N	U		U	180	77	ug/kg
B-15 (6-7)	L1941309-18	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	39	ug/kg
B-15 (6-7)	L1941309-18	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-15 (6-7)	L1941309-18	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	28	ug/kg
B-15 (6-7)	L1941309-18	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	150	45	ug/kg
B-15 (6-7)	L1941309-18	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	220	32	ug/kg
B-15 (6-7)	L1941309-18	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	20	ug/kg
B-16 (3-4)	L1941309-04	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	170	20	ug/kg
B-16 (3-4)	L1941309-04	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	170	57	ug/kg
B-16 (3-4)	L1941309-04	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	28	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (3-4)	L1941309-04	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	100	33	ug/kg
B-16 (3-4)	L1941309-04	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	170	33	ug/kg
B-16 (3-4)	L1941309-04	1,4-DIOXANE	9/17/2019		Y	N	U		U	26	7.9	ug/kg
B-16 (3-4)	L1941309-04	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	170	30	ug/kg
B-16 (3-4)	L1941309-04	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	170	31	ug/kg
B-16 (3-4)	L1941309-04	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	170	30	ug/kg
B-16 (3-4)	L1941309-04	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	170	18	ug/kg
B-16 (3-4)	L1941309-04	ACETOPHENONE	9/17/2019		Y	N	U		U	170	21	ug/kg
B-16 (3-4)	L1941309-04	ANTHRACENE	9/17/2019		Y	N	U		U	100	34	ug/kg
B-16 (3-4)	L1941309-04	BENZO(A)ANTHRACENE	9/17/2019		Y	N	U		U	100	19	ug/kg
B-16 (3-4)	L1941309-04	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	140	42	ug/kg
B-16 (3-4)	L1941309-04	BENZO(B)FLUORANTHENE	9/17/2019		Y	N	U		U	100	29	ug/kg
B-16 (3-4)	L1941309-04	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	140	20	ug/kg
B-16 (3-4)	L1941309-04	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	170	30	ug/kg
B-16 (3-4)	L1941309-04	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	250	27	ug/kg
B-16 (3-4)	L1941309-04	ACENAPHTHENE	9/17/2019		Y	N	U		U	140	18	ug/kg
B-16 (3-4)	L1941309-04	4-NITROPHENOL	9/17/2019		Y	N	U		U	240	70	ug/kg
B-16 (3-4)	L1941309-04	4-NITROANILINE	9/17/2019		Y	N	U		U	170	71	ug/kg
B-16 (3-4)	L1941309-04	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	170	18	ug/kg
B-16 (3-4)	L1941309-04	4-CHLOROANILINE	9/17/2019		Y	N	U		U	170	31	ug/kg
B-16 (3-4)	L1941309-04	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	170	26	ug/kg
B-16 (3-4)	L1941309-04	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	830	80	ug/kg
B-16 (3-4)	L1941309-04	3-NITROANILINE	9/17/2019		Y	N	U		U	170	32	ug/kg
B-16 (3-4)	L1941309-04	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	170	34	ug/kg
B-16 (3-4)	L1941309-04	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	170	46	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (3-4)	L1941309-04	2-NITROPHENOL	9/17/2019		Y	N	U		U	370	65	ug/kg
B-16 (3-4)	L1941309-04	2-NITROANILINE	9/17/2019		Y	N	U		U	170	33	ug/kg
B-16 (3-4)	L1941309-04	2-METHYLPHENOL	9/17/2019		Y	N	U		U	170	27	ug/kg
B-16 (3-4)	L1941309-04	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	210	21	ug/kg
B-16 (3-4)	L1941309-04	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	170	20	ug/kg
B-16 (3-4)	L1941309-04	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	170	17	ug/kg
B-16 (3-4)	L1941309-04	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	450	83	ug/kg
B-16 (3-4)	L1941309-04	CARBAZOLE	9/17/2019		Y	N	U		U	170	17	ug/kg
B-16 (3-4)	L1941309-04	ISOPHORONE	9/17/2019		Y	N	U		U	160	22	ug/kg
B-16 (3-4)	L1941309-04	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	140	24	ug/kg
B-16 (3-4)	L1941309-04	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	28	ug/kg
B-16 (3-4)	L1941309-04	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	490	160	ug/kg
B-16 (3-4)	L1941309-04	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	170	25	ug/kg
B-16 (3-4)	L1941309-04	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	100	19	ug/kg
B-16 (3-4)	L1941309-04	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	140	27	ug/kg
B-16 (3-4)	L1941309-04	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	170	44	ug/kg
B-16 (3-4)	L1941309-04	NAPHTHALENE	9/17/2019		Y	N	U		U	170	21	ug/kg
B-16 (3-4)	L1941309-04	CHRYSENE	9/17/2019		Y	N	U		U	100	18	ug/kg
B-16 (3-4)	L1941309-04	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	170	33	ug/kg
B-16 (3-4)	L1941309-04	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	170	59	ug/kg
B-16 (3-4)	L1941309-04	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	100	20	ug/kg
B-16 (3-4)	L1941309-04	DIBENZOFURAN	9/17/2019		Y	N	U		U	170	16	ug/kg
B-16 (3-4)	L1941309-04	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	170	16	ug/kg
B-16 (3-4)	L1941309-04	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	170	36	ug/kg
B-16 (3-4)	L1941309-04	FLUORENE	9/17/2019		Y	N	U		U	170	17	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (3-4)	L1941309-04	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	170	26	ug/kg
B-16 (3-4)	L1941309-04	FLUORANTHENE	9/17/2019		Y	N	U		U	100	20	ug/kg
B-16 (3-4)	L1941309-04	BENZOIC ACID	9/17/2019		Y	N	U		U	560	170	ug/kg
B-16 (3-4)	L1941309-04	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	170	53	ug/kg
B-16 (3-4)	L1941309-04	BIPHENYL	9/17/2019		Y	N	U		U	390	40	ug/kg
B-16 (3-4)	L1941309-04	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	190	17	ug/kg
B-16 (3-4)	L1941309-04	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	23	ug/kg
B-16 (3-4)	L1941309-04	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	210	29	ug/kg
B-16 (3-4)	L1941309-04	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	20	ug/kg
B-16 (3-4)	L1941309-04	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	170	60	ug/kg
B-16 (3-4)	L1941309-04	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	100	28	ug/kg
B-16 (3-4)	L1941309-04	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	170	27	ug/kg
B-16 (3-4)	L1941309-04	PYRENE	9/17/2019		Y	N	U		U	100	17	ug/kg
B-16 (3-4)	L1941309-04	PHENOL	9/17/2019		Y	N	U		U	170	26	ug/kg
B-16 (3-4)	L1941309-04	PHENANTHRENE	9/17/2019		Y	N	U		U	100	21	ug/kg
B-16 (3-4)	L1941309-04	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	38	ug/kg
B-16 (3-4)	L1941309-04	NITROBENZENE	9/17/2019		Y	N	U		U	160	26	ug/kg
B-16 (7-8)	L1941309-05	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	29	ug/kg
B-16 (7-8)	L1941309-05	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	34	ug/kg
B-16 (7-8)	L1941309-05	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	59	ug/kg
B-16 (7-8)	L1941309-05	2-NITROANILINE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-16 (7-8)	L1941309-05	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	34	ug/kg
B-16 (7-8)	L1941309-05	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	860	84	ug/kg
B-16 (7-8)	L1941309-05	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	36	ug/kg
B-16 (7-8)	L1941309-05	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	31	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (7-8)	L1941309-05	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-16 (7-8)	L1941309-05	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	21	ug/kg
B-16 (7-8)	L1941309-05	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
B-16 (7-8)	L1941309-05	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	19	ug/kg
B-16 (7-8)	L1941309-05	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	29	ug/kg
B-16 (7-8)	L1941309-05	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	140	25	ug/kg
B-16 (7-8)	L1941309-05	ISOPHORONE	9/17/2019		Y	N	U		U	160	23	ug/kg
B-16 (7-8)	L1941309-05	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	20	ug/kg
B-16 (7-8)	L1941309-05	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	62	ug/kg
B-16 (7-8)	L1941309-05	2-NITROPHENOL	9/17/2019		Y	N	U		U	390	68	ug/kg
B-16 (7-8)	L1941309-05	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-16 (7-8)	L1941309-05	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	220	22	ug/kg
B-16 (7-8)	L1941309-05	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-16 (7-8)	L1941309-05	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-16 (7-8)	L1941309-05	BENZOIC ACID	9/17/2019		Y	N	U		U	580	180	ug/kg
B-16 (7-8)	L1941309-05	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	110	29	ug/kg
B-16 (7-8)	L1941309-05	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	140	21	ug/kg
B-16 (7-8)	L1941309-05	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	19	ug/kg
B-16 (7-8)	L1941309-05	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	38	ug/kg
B-16 (7-8)	L1941309-05	BENZO(B)FLUORANTHENE	9/17/2019		Y	N	U		U	110	30	ug/kg
B-16 (7-8)	L1941309-05	BIPHENYL	9/17/2019		Y	N	U		U	410	42	ug/kg
B-16 (7-8)	L1941309-05	BENZO(A)ANTHRACENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-16 (7-8)	L1941309-05	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	190	18	ug/kg
B-16 (7-8)	L1941309-05	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	17	ug/kg
B-16 (7-8)	L1941309-05	ANTHRACENE	9/17/2019		Y	N	U		U	110	35	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (7-8)	L1941309-05	ACETOPHENONE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-16 (7-8)	L1941309-05	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	140	28	ug/kg
B-16 (7-8)	L1941309-05	ACENAPHTHENE	9/17/2019		Y	N	U		U	140	19	ug/kg
B-16 (7-8)	L1941309-05	4-NITROPHENOL	9/17/2019		Y	N	U		U	250	73	ug/kg
B-16 (7-8)	L1941309-05	4-NITROANILINE	9/17/2019		Y	N	U		U	180	74	ug/kg
B-16 (7-8)	L1941309-05	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	140	44	ug/kg
B-16 (7-8)	L1941309-05	3-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-16 (7-8)	L1941309-05	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-16 (7-8)	L1941309-05	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-16 (7-8)	L1941309-05	NITROBENZENE	9/17/2019		Y	N	U		U	160	27	ug/kg
B-16 (7-8)	L1941309-05	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	20	ug/kg
B-16 (7-8)	L1941309-05	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	40	ug/kg
B-16 (7-8)	L1941309-05	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	510	160	ug/kg
B-16 (7-8)	L1941309-05	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	26	ug/kg
B-16 (7-8)	L1941309-05	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	55	ug/kg
B-16 (7-8)	L1941309-05	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	220	31	ug/kg
B-16 (7-8)	L1941309-05	1,4-DIOXANE	9/17/2019		Y	N	U		U	27	8.3	ug/kg
B-16 (7-8)	L1941309-05	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	470	86	ug/kg
B-16 (7-8)	L1941309-05	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-16 (7-8)	L1941309-05	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	27	ug/kg
B-16 (7-8)	L1941309-05	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-16 (7-8)	L1941309-05	FLUORENE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-16 (7-8)	L1941309-05	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-16 (7-8)	L1941309-05	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	24	ug/kg
B-16 (7-8)	L1941309-05	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	260	28	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-16 (7-8)	L1941309-05	PYRENE	9/17/2019	25	Y	Y	J		J	110	18	ug/kg
B-16 (7-8)	L1941309-05	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	48	ug/kg
B-16 (7-8)	L1941309-05	CARBAZOLE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-16 (7-8)	L1941309-05	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	45	ug/kg
B-16 (7-8)	L1941309-05	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-16 (7-8)	L1941309-05	CHRYSENE	9/17/2019		Y	N	U		U	110	19	ug/kg
B-16 (7-8)	L1941309-05	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	61	ug/kg
B-16 (7-8)	L1941309-05	FLUORANTHENE	9/17/2019	30	Y	Y	J		J	110	21	ug/kg
B-16 (7-8)	L1941309-05	PHENANTHRENE	9/17/2019		Y	N	U		U	110	22	ug/kg
B-16 (7-8)	L1941309-05	PHENOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-16 (7-8)	L1941309-05	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	28	ug/kg
B-16 (7-8)	L1941309-05	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-2 (3-4)	L1941309-01	UNKNOWN	9/16/2019	178	Y	Y	J		J			
B-2 (3-4)	L1941309-01	TOTAL TIC COMPOUNDS	9/16/2019	178	Y	Y	J		J			
B-2 (3-4)	L1941309-01	1,2,4,5-TETRACHLOROBENZENE	9/16/2019		Y	N	U		U	170	18	ug/kg
B-2 (3-4)	L1941309-01	2,4-DIMETHYLPHENOL	9/16/2019		Y	N	U		U	170	57	ug/kg
B-2 (3-4)	L1941309-01	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	170	20	ug/kg
B-2 (3-4)	L1941309-01	CHRYSENE	9/16/2019		Y	N	U		U	100	18	ug/kg
B-2 (3-4)	L1941309-01	FLUORANTHENE	9/16/2019		Y	N	U		U	100	20	ug/kg
B-2 (3-4)	L1941309-01	DIMETHYL PHTHALATE	9/16/2019		Y	N	U		U	170	36	ug/kg
B-2 (3-4)	L1941309-01	DIETHYL PHTHALATE	9/16/2019		Y	N	U		U	170	16	ug/kg
B-2 (3-4)	L1941309-01	DIBENZOFURAN	9/16/2019		Y	N	U		U	170	16	ug/kg
B-2 (3-4)	L1941309-01	DIBENZO(A,H)ANTHRACENE	9/16/2019		Y	N	U		U	100	20	ug/kg
B-2 (3-4)	L1941309-01	BENZOIC ACID	9/16/2019		Y	N	U		U	560	170	ug/kg
B-2 (3-4)	L1941309-01	DI-N-BUTYLPHTHALATE	9/16/2019		Y	N	U		U	170	33	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-2 (3-4)	L1941309-01	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	170	25	ug/kg
B-2 (3-4)	L1941309-01	CARBAZOLE	9/16/2019		Y	N	U		U	170	17	ug/kg
B-2 (3-4)	L1941309-01	BUTYL BENZYL PHTHALATE	9/16/2019		Y	N	U		U	170	43	ug/kg
B-2 (3-4)	L1941309-01	BIS(2-ETHYLHEXYL)PHTHALATE	9/16/2019		Y	N	U		U	170	60	ug/kg
B-2 (3-4)	L1941309-01	BIS(2-CHLOROETHYL)ETHER	9/16/2019		Y	N	U		U	160	23	ug/kg
B-2 (3-4)	L1941309-01	BIPHENYL	9/16/2019		Y	N	U		U	390	40	ug/kg
B-2 (3-4)	L1941309-01	BENZYL ALCOHOL	9/16/2019		Y	N	U		U	170	53	ug/kg
B-2 (3-4)	L1941309-01	DI-N-OCTYLPHTHALATE	9/16/2019		Y	N	U		U	170	59	ug/kg
B-2 (3-4)	L1941309-01	NAPHTHALENE	9/16/2019		Y	N	U		U	170	21	ug/kg
B-2 (3-4)	L1941309-01	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	170	31	ug/kg
B-2 (3-4)	L1941309-01	P-CHLORO-M-CRESOL	9/16/2019		Y	N	U		U	170	26	ug/kg
B-2 (3-4)	L1941309-01	N-NITROSODI-N-PROPYLAMINE	9/16/2019		Y	N	U		U	170	27	ug/kg
B-2 (3-4)	L1941309-01	PYRENE	9/16/2019		Y	N	U		U	100	17	ug/kg
B-2 (3-4)	L1941309-01	PHENOL	9/16/2019		Y	N	U		U	170	26	ug/kg
B-2 (3-4)	L1941309-01	PHENANTHRENE	9/16/2019		Y	N	U		U	100	21	ug/kg
B-2 (3-4)	L1941309-01	FLUORENE	9/16/2019		Y	N	U		U	170	17	ug/kg
B-2 (3-4)	L1941309-01	NITROBENZENE	9/16/2019		Y	N	U		U	160	26	ug/kg
B-2 (3-4)	L1941309-01	HEXACHLOROBENZENE	9/16/2019		Y	N	U		U	100	19	ug/kg
B-2 (3-4)	L1941309-01	NITROSODIPHENYLAMINE(NDPA)/DPA	9/16/2019		Y	N	U		U	140	20	ug/kg
B-2 (3-4)	L1941309-01	ISOPHORONE	9/16/2019		Y	N	U		U	160	22	ug/kg
B-2 (3-4)	L1941309-01	INDENO(1,2,3-CD)PYRENE	9/16/2019		Y	N	U		U	140	24	ug/kg
B-2 (3-4)	L1941309-01	HEXACHLOROETHANE	9/16/2019		Y	N	U		U	140	28	ug/kg
B-2 (3-4)	L1941309-01	HEXACHLOROCYCLOPENTADIENE	9/16/2019		Y	N	U	UJ	UJ	490	160	ug/kg
B-2 (3-4)	L1941309-01	BIS(2-CHLOROETHOXY)METHANE	9/16/2019		Y	N	U		U	190	17	ug/kg
B-2 (3-4)	L1941309-01	PENTACHLOROPHENOL	9/16/2019		Y	N	U		U	140	38	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-2 (3-4)	L1941309-01	2,4-DINITROTOLUENE	9/16/2019		Y	N	U		U	170	34	ug/kg
B-2 (3-4)	L1941309-01	3,3'-DICHLOROBENZIDINE	9/16/2019		Y	N	U		U	170	46	ug/kg
B-2 (3-4)	L1941309-01	BENZO(K)FLUORANTHENE	9/16/2019		Y	N	U		U	100	28	ug/kg
B-2 (3-4)	L1941309-01	2-NITROANILINE	9/16/2019		Y	N	U		U	170	33	ug/kg
B-2 (3-4)	L1941309-01	BIS(2-CHLOROISOPROPYL)ETHER	9/16/2019		Y	N	U	UJ	UJ	210	29	ug/kg
B-2 (3-4)	L1941309-01	2-METHYLNAPHTHALENE	9/16/2019		Y	N	U		U	210	21	ug/kg
B-2 (3-4)	L1941309-01	2-CHLOROPHENOL	9/16/2019		Y	N	U		U	170	20	ug/kg
B-2 (3-4)	L1941309-01	3-METHYLPHENOL/4-METHYLPHENOL	9/16/2019		Y	N	U		U	250	27	ug/kg
B-2 (3-4)	L1941309-01	2,6-DINITROTOLUENE	9/16/2019		Y	N	U		U	170	30	ug/kg
B-2 (3-4)	L1941309-01	2-NITROPHENOL	9/16/2019		Y	N	U		U	370	65	ug/kg
B-2 (3-4)	L1941309-01	2,4-DINITROPHENOL	9/16/2019		Y	N	U		U	830	80	ug/kg
B-2 (3-4)	L1941309-01	2,4-DICHLOROPHENOL	9/16/2019		Y	N	U		U	160	28	ug/kg
B-2 (3-4)	L1941309-01	2,4,6-TRICHLOROPHENOL	9/16/2019		Y	N	U		U	100	33	ug/kg
B-2 (3-4)	L1941309-01	2,4,5-TRICHLOROPHENOL	9/16/2019		Y	N	U		U	170	33	ug/kg
B-2 (3-4)	L1941309-01	1,4-DIOXANE	9/16/2019		Y	N	U		U	26	7.9	ug/kg
B-2 (3-4)	L1941309-01	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	170	30	ug/kg
B-2 (3-4)	L1941309-01	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	170	30	ug/kg
B-2 (3-4)	L1941309-01	2-CHLORONAPHTHALENE	9/16/2019		Y	N	U		U	170	17	ug/kg
B-2 (3-4)	L1941309-01	ACETOPHENONE	9/16/2019		Y	N	U		U	170	21	ug/kg
B-2 (3-4)	L1941309-01	BENZO(GHI)PERYLENE	9/16/2019		Y	N	U		U	140	20	ug/kg
B-2 (3-4)	L1941309-01	BENZO(B)FLUORANTHENE	9/16/2019		Y	N	U		U	100	29	ug/kg
B-2 (3-4)	L1941309-01	BENZO(A)PYRENE	9/16/2019		Y	N	U		U	140	42	ug/kg
B-2 (3-4)	L1941309-01	2-METHYLPHENOL	9/16/2019		Y	N	U		U	170	27	ug/kg
B-2 (3-4)	L1941309-01	ANTHRACENE	9/16/2019		Y	N	U		U	100	34	ug/kg
B-2 (3-4)	L1941309-01	BENZO(A)ANTHRACENE	9/16/2019		Y	N	U		U	100	19	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-2 (3-4)	L1941309-01	ACENAPHTHYLENE	9/16/2019		Y	N	U		U	140	27	ug/kg
B-2 (3-4)	L1941309-01	ACENAPHTHENE	9/16/2019		Y	N	U		U	140	18	ug/kg
B-2 (3-4)	L1941309-01	4-NITROPHENOL	9/16/2019		Y	N	U		U	240	70	ug/kg
B-2 (3-4)	L1941309-01	4-NITROANILINE	9/16/2019		Y	N	U		U	170	71	ug/kg
B-2 (3-4)	L1941309-01	4-CHLOROPHENYL PHENYL ETHER	9/16/2019		Y	N	U		U	170	18	ug/kg
B-2 (3-4)	L1941309-01	4-CHLOROANILINE	9/16/2019		Y	N	U		U	170	31	ug/kg
B-2 (3-4)	L1941309-01	4-BROMOPHENYL PHENYL ETHER	9/16/2019		Y	N	U		U	170	26	ug/kg
B-2 (3-4)	L1941309-01	4,6-DINITRO-O-CRESOL	9/16/2019		Y	N	U		U	450	83	ug/kg
B-2 (3-4)	L1941309-01	3-NITROANILINE	9/16/2019		Y	N	U		U	170	32	ug/kg
B-2 (6-7)	L1941309-02	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	180	31	ug/kg
B-2 (6-7)	L1941309-02	2,4,5-TRICHLOROPHENOL	9/16/2019		Y	N	U		U	180	35	ug/kg
B-2 (6-7)	L1941309-02	1,4-DIOXANE	9/16/2019		Y	N	U		U	27	8.4	ug/kg
B-2 (6-7)	L1941309-02	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	180	32	ug/kg
B-2 (6-7)	L1941309-02	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	180	33	ug/kg
B-2 (6-7)	L1941309-02	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	180	21	ug/kg
B-2 (6-7)	L1941309-02	1,2,4,5-TETRACHLOROBENZENE	9/16/2019		Y	N	U		U	180	19	ug/kg
B-2 (6-7)	L1941309-02	2,4,6-TRICHLOROPHENOL	9/16/2019		Y	N	U		U	110	35	ug/kg
B-2 (6-7)	L1941309-02	2-METHYLNAPHTHALENE	9/16/2019		Y	N	U		U	220	22	ug/kg
B-2 (6-7)	L1941309-02	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	180	27	ug/kg
B-2 (6-7)	L1941309-02	2-CHLORONAPHTHALENE	9/16/2019		Y	N	U		U	180	18	ug/kg
B-2 (6-7)	L1941309-02	BIS(2-CHLOROISOPROPYL)ETHER	9/16/2019		Y	N	U	UJ	UJ	220	31	ug/kg
B-2 (6-7)	L1941309-02	BIS(2-ETHYLHEXYL)PHTHALATE	9/16/2019		Y	N	U		U	180	63	ug/kg
B-2 (6-7)	L1941309-02	BUTYL BENZYL PHTHALATE	9/16/2019		Y	N	U		U	180	46	ug/kg
B-2 (6-7)	L1941309-02	CARBAZOLE	9/16/2019		Y	N	U		U	180	18	ug/kg
B-2 (6-7)	L1941309-02	CHRYSENE	9/16/2019		Y	N	U		U	110	19	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-2 (6-7)	L1941309-02	DI-N-BUTYLPHTHALATE	9/16/2019		Y	N	U		U	180	35	ug/kg
B-2 (6-7)	L1941309-02	DI-N-OCTYLPHTHALATE	9/16/2019		Y	N	U		U	180	62	ug/kg
B-2 (6-7)	L1941309-02	DIBENZO(A,H)ANTHRACENE	9/16/2019		Y	N	U		U	110	21	ug/kg
B-2 (6-7)	L1941309-02	DIBENZOFURAN	9/16/2019		Y	N	U		U	180	17	ug/kg
B-2 (6-7)	L1941309-02	DIETHYL PHTHALATE	9/16/2019		Y	N	U		U	180	17	ug/kg
B-2 (6-7)	L1941309-02	DIMETHYL PHTHALATE	9/16/2019		Y	N	U		U	180	38	ug/kg
B-2 (6-7)	L1941309-02	FLUORANTHENE	9/16/2019		Y	N	U		U	110	21	ug/kg
B-2 (6-7)	L1941309-02	BIS(2-CHLOROETHOXY)METHANE	9/16/2019		Y	N	U		U	200	18	ug/kg
B-2 (6-7)	L1941309-02	NAPHTHALENE	9/16/2019		Y	N	U		U	180	22	ug/kg
B-2 (6-7)	L1941309-02	P-CHLORO-M-CRESOL	9/16/2019		Y	N	U		U	180	27	ug/kg
B-2 (6-7)	L1941309-02	N-NITROSODI-N-PROPYLAMINE	9/16/2019		Y	N	U		U	180	28	ug/kg
B-2 (6-7)	L1941309-02	PYRENE	9/16/2019		Y	N	U		U	110	18	ug/kg
B-2 (6-7)	L1941309-02	PHENOL	9/16/2019		Y	N	U		U	180	28	ug/kg
B-2 (6-7)	L1941309-02	PHENANTHRENE	9/16/2019		Y	N	U		U	110	22	ug/kg
B-2 (6-7)	L1941309-02	FLUORENE	9/16/2019		Y	N	U		U	180	18	ug/kg
B-2 (6-7)	L1941309-02	NITROBENZENE	9/16/2019		Y	N	U		U	160	27	ug/kg
B-2 (6-7)	L1941309-02	HEXACHLOROBENZENE	9/16/2019		Y	N	U		U	110	20	ug/kg
B-2 (6-7)	L1941309-02	NITROSODIPHENYLAMINE(NDPA)/DPA	9/16/2019		Y	N	U		U	150	21	ug/kg
B-2 (6-7)	L1941309-02	ISOPHORONE	9/16/2019		Y	N	U		U	160	24	ug/kg
B-2 (6-7)	L1941309-02	INDENO(1,2,3-CD)PYRENE	9/16/2019		Y	N	U		U	150	25	ug/kg
B-2 (6-7)	L1941309-02	HEXACHLOROETHANE	9/16/2019		Y	N	U		U	150	30	ug/kg
B-2 (6-7)	L1941309-02	HEXACHLOROCYCLOPENTADIENE	9/16/2019		Y	N	U	UJ	UJ	520	160	ug/kg
B-2 (6-7)	L1941309-02	BIPHENYL	9/16/2019		Y	N	U		U	420	42	ug/kg
B-2 (6-7)	L1941309-02	PENTACHLOROPHENOL	9/16/2019		Y	N	U		U	150	40	ug/kg
B-2 (6-7)	L1941309-02	4-CHLOROPHENYL PHENYL ETHER	9/16/2019		Y	N	U		U	180	20	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-2 (6-7)	L1941309-02	2,4-DIMETHYLPHENOL	9/16/2019		Y	N	U		U	180	60	ug/kg
B-2 (6-7)	L1941309-02	2,4-DINITROPHENOL	9/16/2019		Y	N	U		U	880	85	ug/kg
B-2 (6-7)	L1941309-02	2,4-DINITROTOLUENE	9/16/2019		Y	N	U		U	180	36	ug/kg
B-2 (6-7)	L1941309-02	2,6-DINITROTOLUENE	9/16/2019		Y	N	U		U	180	31	ug/kg
B-2 (6-7)	L1941309-02	2-CHLOROPHENOL	9/16/2019		Y	N	U		U	180	22	ug/kg
B-2 (6-7)	L1941309-02	2-METHYLPHENOL	9/16/2019		Y	N	U		U	180	28	ug/kg
B-2 (6-7)	L1941309-02	2-NITROANILINE	9/16/2019		Y	N	U		U	180	35	ug/kg
B-2 (6-7)	L1941309-02	2-NITROPHENOL	9/16/2019		Y	N	U		U	390	69	ug/kg
B-2 (6-7)	L1941309-02	3,3'-DICHLOROBENZIDINE	9/16/2019		Y	N	U		U	180	48	ug/kg
B-2 (6-7)	L1941309-02	3-METHYLPHENOL/4-METHYLPHENOL	9/16/2019		Y	N	U		U	260	29	ug/kg
B-2 (6-7)	L1941309-02	3-NITROANILINE	9/16/2019		Y	N	U		U	180	34	ug/kg
B-2 (6-7)	L1941309-02	4,6-DINITRO-O-CRESOL	9/16/2019		Y	N	U		U	480	88	ug/kg
B-2 (6-7)	L1941309-02	BIS(2-CHLOROETHYL)ETHER	9/16/2019		Y	N	U		U	160	25	ug/kg
B-2 (6-7)	L1941309-02	4-CHLOROANILINE	9/16/2019		Y	N	U		U	180	33	ug/kg
B-2 (6-7)	L1941309-02	BENZO(A)ANTHRACENE	9/16/2019		Y	N	U		U	110	20	ug/kg
B-2 (6-7)	L1941309-02	BENZYL ALCOHOL	9/16/2019		Y	N	U		U	180	56	ug/kg
B-2 (6-7)	L1941309-02	BENZOIC ACID	9/16/2019		Y	N	U		U	590	180	ug/kg
B-2 (6-7)	L1941309-02	BENZO(K)FLUORANTHENE	9/16/2019		Y	N	U		U	110	29	ug/kg
B-2 (6-7)	L1941309-02	BENZO(GHI)PERYLENE	9/16/2019		Y	N	U		U	150	21	ug/kg
B-2 (6-7)	L1941309-02	4-BROMOPHENYL PHENYL ETHER	9/16/2019		Y	N	U		U	180	28	ug/kg
B-2 (6-7)	L1941309-02	BENZO(A)PYRENE	9/16/2019		Y	N	U		U	150	44	ug/kg
B-2 (6-7)	L1941309-02	2,4-DICHLOROPHENOL	9/16/2019		Y	N	U		U	160	29	ug/kg
B-2 (6-7)	L1941309-02	ANTHRACENE	9/16/2019		Y	N	U		U	110	36	ug/kg
B-2 (6-7)	L1941309-02	ACETOPHENONE	9/16/2019		Y	N	U		U	180	23	ug/kg
B-2 (6-7)	L1941309-02	ACENAPHTHYLENE	9/16/2019		Y	N	U		U	150	28	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-2 (6-7)	L1941309-02	ACENAPHTHENE	9/16/2019		Y	N	U		U	150	19	ug/kg
B-2 (6-7)	L1941309-02	4-NITROPHENOL	9/16/2019		Y	N	U		U	260	74	ug/kg
B-2 (6-7)	L1941309-02	4-NITROANILINE	9/16/2019		Y	N	U		U	180	76	ug/kg
B-2 (6-7)	L1941309-02	BENZO(B)FLUORANTHENE	9/16/2019		Y	N	U		U	110	31	ug/kg
B-6 (10-11)	L1941309-11	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-6 (10-11)	L1941309-11	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	140	28	ug/kg
B-6 (10-11)	L1941309-11	FLUORANTHENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-6 (10-11)	L1941309-11	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	38	ug/kg
B-6 (10-11)	L1941309-11	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-6 (10-11)	L1941309-11	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	62	ug/kg
B-6 (10-11)	L1941309-11	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	25	ug/kg
B-6 (10-11)	L1941309-11	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	46	ug/kg
B-6 (10-11)	L1941309-11	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	35	ug/kg
B-6 (10-11)	L1941309-11	BENZO(B)FLUORANTHENE	9/17/2019		Y	N	U		U	110	30	ug/kg
B-6 (10-11)	L1941309-11	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	63	ug/kg
B-6 (10-11)	L1941309-11	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	220	31	ug/kg
B-6 (10-11)	L1941309-11	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-6 (10-11)	L1941309-11	CHRYSENE	9/17/2019		Y	N	U		U	110	19	ug/kg
B-6 (10-11)	L1941309-11	CARBAZOLE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-6 (10-11)	L1941309-11	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	17	ug/kg
B-6 (10-11)	L1941309-11	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	200	18	ug/kg
B-6 (10-11)	L1941309-11	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-6 (10-11)	L1941309-11	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	21	ug/kg
B-6 (10-11)	L1941309-11	ISOPHORONE	9/17/2019		Y	N	U		U	160	24	ug/kg
B-6 (10-11)	L1941309-11	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	140	25	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (10-11)	L1941309-11	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	29	ug/kg
B-6 (10-11)	L1941309-11	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	520	160	ug/kg
B-6 (10-11)	L1941309-11	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	26	ug/kg
B-6 (10-11)	L1941309-11	BENZO(A)ANTHRACENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-6 (10-11)	L1941309-11	FLUORENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-6 (10-11)	L1941309-11	ACETOPHENONE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-6 (10-11)	L1941309-11	BIPHENYL	9/17/2019		Y	N	U		U	410	42	ug/kg
B-6 (10-11)	L1941309-11	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	56	ug/kg
B-6 (10-11)	L1941309-11	BENZOIC ACID	9/17/2019		Y	N	U		U	590	180	ug/kg
B-6 (10-11)	L1941309-11	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	110	29	ug/kg
B-6 (10-11)	L1941309-11	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	140	21	ug/kg
B-6 (10-11)	L1941309-11	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	470	87	ug/kg
B-6 (10-11)	L1941309-11	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	140	44	ug/kg
B-6 (10-11)	L1941309-11	ANTHRACENE	9/17/2019		Y	N	U		U	110	35	ug/kg
B-6 (10-11)	L1941309-11	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-6 (10-11)	L1941309-11	2-NITROPHENOL	9/17/2019		Y	N	U		U	390	68	ug/kg
B-6 (10-11)	L1941309-11	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	870	84	ug/kg
B-6 (10-11)	L1941309-11	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	260	28	ug/kg
B-6 (10-11)	L1941309-11	ACENAPHTHENE	9/17/2019		Y	N	U		U	140	19	ug/kg
B-6 (10-11)	L1941309-11	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	34	ug/kg
B-6 (10-11)	L1941309-11	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	29	ug/kg
B-6 (10-11)	L1941309-11	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-6 (10-11)	L1941309-11	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-6 (10-11)	L1941309-11	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	19	ug/kg
B-6 (10-11)	L1941309-11	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	60	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (10-11)	L1941309-11	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-6 (10-11)	L1941309-11	2-NITROANILINE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-6 (10-11)	L1941309-11	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
B-6 (10-11)	L1941309-11	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	220	22	ug/kg
B-6 (10-11)	L1941309-11	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	21	ug/kg
B-6 (10-11)	L1941309-11	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	21	ug/kg
B-6 (10-11)	L1941309-11	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-6 (10-11)	L1941309-11	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-6 (10-11)	L1941309-11	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	36	ug/kg
B-6 (10-11)	L1941309-11	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	48	ug/kg
B-6 (10-11)	L1941309-11	TOTAL TIC COMPOUNDS	9/17/2019	629	Y	Y	J		J			
B-6 (10-11)	L1941309-11	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	28	ug/kg
B-6 (10-11)	L1941309-11	3-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-6 (10-11)	L1941309-11	NITROBENZENE	9/17/2019		Y	N	U		U	160	27	ug/kg
B-6 (10-11)	L1941309-11	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	28	ug/kg
B-6 (10-11)	L1941309-11	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-6 (10-11)	L1941309-11	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	19	ug/kg
B-6 (10-11)	L1941309-11	4-NITROANILINE	9/17/2019		Y	N	U		U	180	75	ug/kg
B-6 (10-11)	L1941309-11	PYRENE	9/17/2019		Y	N	U		U	110	18	ug/kg
B-6 (10-11)	L1941309-11	UNKNOWN	9/17/2019	318	Y	Y	J		J			
B-6 (10-11)	L1941309-11	1,4-DIOXANE	9/17/2019		Y	N	U		U	27	8.3	ug/kg
B-6 (10-11)	L1941309-11	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-6 (10-11)	L1941309-11	4-NITROPHENOL	9/17/2019		Y	N	U		U	250	74	ug/kg
B-6 (10-11)	L1941309-11	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	40	ug/kg
B-6 (10-11)	L1941309-11	PHENANTHRENE	9/17/2019		Y	N	U		U	110	22	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (10-11)	L1941309-11	PHENOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-6 (10-11)	L1941309-11	UNKNOWN	9/17/2019	311	Y	Y	J		J			
B-6 (1-2)	L1941309-13	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	21	ug/kg
B-6 (1-2)	L1941309-13	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-6 (1-2)	L1941309-13	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-6 (1-2)	L1941309-13	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	19	ug/kg
B-6 (1-2)	L1941309-13	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-6 (1-2)	L1941309-13	1,4-DIOXANE	9/17/2019		Y	N	U		U	28	8.4	ug/kg
B-6 (1-2)	L1941309-13	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	35	ug/kg
B-6 (1-2)	L1941309-13	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	35	ug/kg
B-6 (1-2)	L1941309-13	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	110	29	ug/kg
B-6 (1-2)	L1941309-13	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	150	22	ug/kg
B-6 (1-2)	L1941309-13	PYRENE	9/17/2019		Y	N	U		U	110	18	ug/kg
B-6 (1-2)	L1941309-13	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	17	ug/kg
B-6 (1-2)	L1941309-13	PHENANTHRENE	9/17/2019		Y	N	U		U	110	22	ug/kg
B-6 (1-2)	L1941309-13	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	150	40	ug/kg
B-6 (1-2)	L1941309-13	NITROBENZENE	9/17/2019		Y	N	U		U	160	27	ug/kg
B-6 (1-2)	L1941309-13	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-6 (1-2)	L1941309-13	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	150	21	ug/kg
B-6 (1-2)	L1941309-13	ISOPHORONE	9/17/2019		Y	N	U		U	160	24	ug/kg
B-6 (1-2)	L1941309-13	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	27	ug/kg
B-6 (1-2)	L1941309-13	FLUORENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-6 (1-2)	L1941309-13	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	37	ug/kg
B-6 (1-2)	L1941309-13	FLUORANTHENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-6 (1-2)	L1941309-13	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	220	22	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (1-2)	L1941309-13	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	220	31	ug/kg
B-6 (1-2)	L1941309-13	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-6 (1-2)	L1941309-13	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	62	ug/kg
B-6 (1-2)	L1941309-13	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-6 (1-2)	L1941309-13	CHRYSENE	9/17/2019		Y	N	U		U	110	19	ug/kg
B-6 (1-2)	L1941309-13	CARBAZOLE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-6 (1-2)	L1941309-13	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	38	ug/kg
B-6 (1-2)	L1941309-13	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	64	ug/kg
B-6 (1-2)	L1941309-13	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-6 (1-2)	L1941309-13	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	25	ug/kg
B-6 (1-2)	L1941309-13	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	200	18	ug/kg
B-6 (1-2)	L1941309-13	BIPHENYL	9/17/2019		Y	N	U		U	420	43	ug/kg
B-6 (1-2)	L1941309-13	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	56	ug/kg
B-6 (1-2)	L1941309-13	BENZOIC ACID	9/17/2019		Y	N	U		U	600	180	ug/kg
B-6 (1-2)	L1941309-13	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	150	26	ug/kg
B-6 (1-2)	L1941309-13	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	46	ug/kg
B-6 (1-2)	L1941309-13	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	520	170	ug/kg
B-6 (1-2)	L1941309-13	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	28	ug/kg
B-6 (1-2)	L1941309-13	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-6 (1-2)	L1941309-13	PHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
B-6 (1-2)	L1941309-13	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-6 (1-2)	L1941309-13	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	28	ug/kg
B-6 (1-2)	L1941309-13	2-NITROANILINE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-6 (1-2)	L1941309-13	3-NITROANILINE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-6 (1-2)	L1941309-13	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	20	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (1-2)	L1941309-13	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	260	29	ug/kg
B-6 (1-2)	L1941309-13	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	49	ug/kg
B-6 (1-2)	L1941309-13	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	61	ug/kg
B-6 (1-2)	L1941309-13	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	30	ug/kg
B-6 (1-2)	L1941309-13	2-NITROPHENOL	9/17/2019		Y	N	U		U	400	69	ug/kg
B-6 (1-2)	L1941309-13	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-6 (1-2)	L1941309-13	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	480	88	ug/kg
B-6 (1-2)	L1941309-13	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	150	30	ug/kg
B-6 (1-2)	L1941309-13	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	150	45	ug/kg
B-6 (1-2)	L1941309-13	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
B-6 (1-2)	L1941309-13	BENZO(A)ANTHRACENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-6 (1-2)	L1941309-13	ANTHRACENE	9/17/2019		Y	N	U		U	110	36	ug/kg
B-6 (1-2)	L1941309-13	ACETOPHENONE	9/17/2019		Y	N	U		U	180	23	ug/kg
B-6 (1-2)	L1941309-13	BENZO(B)FLUORANTHENE	9/17/2019		Y	N	U		U	110	31	ug/kg
B-6 (1-2)	L1941309-13	ACENAPHTHENE	9/17/2019		Y	N	U		U	150	19	ug/kg
B-6 (1-2)	L1941309-13	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	880	86	ug/kg
B-6 (1-2)	L1941309-13	4-NITROPHENOL	9/17/2019		Y	N	U		U	260	75	ug/kg
B-6 (1-2)	L1941309-13	4-NITROANILINE	9/17/2019		Y	N	U		U	180	76	ug/kg
B-6 (1-2)	L1941309-13	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	22	ug/kg
B-6 (1-2)	L1941309-13	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-6 (1-2)	L1941309-13	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-6 (1-2)	L1941309-13	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	150	28	ug/kg
B-6 (7-8)	L1941309-12	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	21	ug/kg
B-6 (7-8)	L1941309-12	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
B-6 (7-8)	L1941309-12	2-NITROANILINE	9/17/2019		Y	N	U		U	180	35	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (7-8)	L1941309-12	2-NITROPHENOL	9/17/2019		Y	N	U		U	390	68	ug/kg
B-6 (7-8)	L1941309-12	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-6 (7-8)	L1941309-12	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	220	22	ug/kg
B-6 (7-8)	L1941309-12	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	35	ug/kg
B-6 (7-8)	L1941309-12	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-6 (7-8)	L1941309-12	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	28	ug/kg
B-6 (7-8)	L1941309-12	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	19	ug/kg
B-6 (7-8)	L1941309-12	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	21	ug/kg
B-6 (7-8)	L1941309-12	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	19	ug/kg
B-6 (7-8)	L1941309-12	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-6 (7-8)	L1941309-12	1,4-DIOXANE	9/17/2019		Y	N	U		U	27	8.3	ug/kg
B-6 (7-8)	L1941309-12	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-6 (7-8)	L1941309-12	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	34	ug/kg
B-6 (7-8)	L1941309-12	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	29	ug/kg
B-6 (7-8)	L1941309-12	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	60	ug/kg
B-6 (7-8)	L1941309-12	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	870	84	ug/kg
B-6 (7-8)	L1941309-12	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	36	ug/kg
B-6 (7-8)	L1941309-12	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-6 (7-8)	L1941309-12	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-6 (7-8)	L1941309-12	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	26	ug/kg
B-6 (7-8)	L1941309-12	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	46	ug/kg
B-6 (7-8)	L1941309-12	CARBAZOLE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-6 (7-8)	L1941309-12	CHRYSENE	9/17/2019		Y	N	U		U	110	19	ug/kg
B-6 (7-8)	L1941309-12	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-6 (7-8)	L1941309-12	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	62	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (7-8)	L1941309-12	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	48	ug/kg
B-6 (7-8)	L1941309-12	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	17	ug/kg
B-6 (7-8)	L1941309-12	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	28	ug/kg
B-6 (7-8)	L1941309-12	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	38	ug/kg
B-6 (7-8)	L1941309-12	FLUORANTHENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-6 (7-8)	L1941309-12	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	63	ug/kg
B-6 (7-8)	L1941309-12	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-6 (7-8)	L1941309-12	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-6 (7-8)	L1941309-12	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	520	160	ug/kg
B-6 (7-8)	L1941309-12	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	29	ug/kg
B-6 (7-8)	L1941309-12	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	140	25	ug/kg
B-6 (7-8)	L1941309-12	ISOPHORONE	9/17/2019		Y	N	U		U	160	24	ug/kg
B-6 (7-8)	L1941309-12	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	21	ug/kg
B-6 (7-8)	L1941309-12	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-6 (7-8)	L1941309-12	NITROBENZENE	9/17/2019		Y	N	U		U	160	27	ug/kg
B-6 (7-8)	L1941309-12	PYRENE	9/17/2019		Y	N	U		U	110	18	ug/kg
B-6 (7-8)	L1941309-12	PHENOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-6 (7-8)	L1941309-12	PHENANTHRENE	9/17/2019		Y	N	U		U	110	22	ug/kg
B-6 (7-8)	L1941309-12	FLUORENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-6 (7-8)	L1941309-12	ACETOPHENONE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-6 (7-8)	L1941309-12	ACENAPHTHENE	9/17/2019		Y	N	U		U	140	19	ug/kg
B-6 (7-8)	L1941309-12	4-NITROPHENOL	9/17/2019		Y	N	U		U	250	74	ug/kg
B-6 (7-8)	L1941309-12	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-6 (7-8)	L1941309-12	4-NITROANILINE	9/17/2019		Y	N	U		U	180	75	ug/kg
B-6 (7-8)	L1941309-12	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	220	31	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-6 (7-8)	L1941309-12	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	40	ug/kg
B-6 (7-8)	L1941309-12	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-6 (7-8)	L1941309-12	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	470	87	ug/kg
B-6 (7-8)	L1941309-12	3-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-6 (7-8)	L1941309-12	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	140	28	ug/kg
B-6 (7-8)	L1941309-12	ANTHRACENE	9/17/2019		Y	N	U		U	110	35	ug/kg
B-6 (7-8)	L1941309-12	BENZO(A)ANTHRACENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-6 (7-8)	L1941309-12	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	140	44	ug/kg
B-6 (7-8)	L1941309-12	BENZO(B)FLUORANTHENE	9/17/2019		Y	N	U		U	110	30	ug/kg
B-6 (7-8)	L1941309-12	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	140	21	ug/kg
B-6 (7-8)	L1941309-12	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	110	29	ug/kg
B-6 (7-8)	L1941309-12	BENZOIC ACID	9/17/2019		Y	N	U		U	590	180	ug/kg
B-6 (7-8)	L1941309-12	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	55	ug/kg
B-6 (7-8)	L1941309-12	BIPHENYL	9/17/2019		Y	N	U		U	410	42	ug/kg
B-6 (7-8)	L1941309-12	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	200	18	ug/kg
B-6 (7-8)	L1941309-12	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	24	ug/kg
B-6 (7-8)	L1941309-12	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	260	28	ug/kg
B-7 (1-2)	L1941309-03	CHRYSENE	9/17/2019	37	Y	Y	J		J	120	21	ug/kg
B-7 (1-2)	L1941309-03	UNKNOWN	9/17/2019	1170	Y	Y	J		J			
B-7 (1-2)	L1941309-03	TETRACHLOROETHENE	9/17/2019	652	Y	Y	NJ		J			
B-7 (1-2)	L1941309-03	UNKNOWN	9/17/2019	292	Y	Y	J		J			
B-7 (1-2)	L1941309-03	UNKNOWN	9/17/2019	1130	Y	Y	J		J			
B-7 (1-2)	L1941309-03	UNKNOWN	9/17/2019	298	Y	Y	J		J			
B-7 (1-2)	L1941309-03	TOTAL TIC COMPOUNDS	9/17/2019	3540	Y	Y	J		J			
B-7 (1-2)	L1941309-03	PYRENE	9/17/2019	50	Y	Y	J		J	120	20	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-7 (1-2)	L1941309-03	FLUORANTHENE	9/17/2019	63	Y	Y	J		J	120	23	ug/kg
B-7 (1-2)	L1941309-03	BENZO(B)FLUORANTHENE	9/17/2019	36	Y	Y	J		J	120	34	ug/kg
B-7 (1-2)	L1941309-03	BENZO(A)ANTHRACENE	9/17/2019	34	Y	Y	J		J	120	22	ug/kg
B-7 (1-2)	L1941309-03	PHENANTHRENE	9/17/2019	53	Y	Y	J		J	120	24	ug/kg
B-7 (1-2)	L1941309-03	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	200	38	ug/kg
B-7 (1-2)	L1941309-03	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	240	34	ug/kg
B-7 (1-2)	L1941309-03	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	160	49	ug/kg
B-7 (1-2)	L1941309-03	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	120	23	ug/kg
B-7 (1-2)	L1941309-03	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	200	68	ug/kg
B-7 (1-2)	L1941309-03	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	200	38	ug/kg
B-7 (1-2)	L1941309-03	CARBAZOLE	9/17/2019		Y	N	U		U	200	19	ug/kg
B-7 (1-2)	L1941309-03	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	200	18	ug/kg
B-7 (1-2)	L1941309-03	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	200	69	ug/kg
B-7 (1-2)	L1941309-03	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	200	42	ug/kg
B-7 (1-2)	L1941309-03	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	180	27	ug/kg
B-7 (1-2)	L1941309-03	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	200	35	ug/kg
B-7 (1-2)	L1941309-03	BIPHENYL	9/17/2019		Y	N	U		U	460	46	ug/kg
B-7 (1-2)	L1941309-03	BENZOIC ACID	9/17/2019		Y	N	U		U	650	200	ug/kg
B-7 (1-2)	L1941309-03	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	120	32	ug/kg
B-7 (1-2)	L1941309-03	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	160	24	ug/kg
B-7 (1-2)	L1941309-03	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	200	50	ug/kg
B-7 (1-2)	L1941309-03	ISOPHORONE	9/17/2019		Y	N	U		U	180	26	ug/kg
B-7 (1-2)	L1941309-03	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	200	30	ug/kg
B-7 (1-2)	L1941309-03	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	200	31	ug/kg
B-7 (1-2)	L1941309-03	PHENOL	9/17/2019		Y	N	U		U	200	30	ug/kg

SDG: L1941309

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-7 (1-2)	L1941309-03	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	160	44	ug/kg
B-7 (1-2)	L1941309-03	NITROBENZENE	9/17/2019		Y	N	U		U	180	30	ug/kg
B-7 (1-2)	L1941309-03	DIBENZOFURAN	9/17/2019		Y	N	U		U	200	19	ug/kg
B-7 (1-2)	L1941309-03	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	160	23	ug/kg
B-7 (1-2)	L1941309-03	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	200	61	ug/kg
B-7 (1-2)	L1941309-03	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	160	28	ug/kg
B-7 (1-2)	L1941309-03	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	160	32	ug/kg
B-7 (1-2)	L1941309-03	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	570	180	ug/kg
B-7 (1-2)	L1941309-03	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	200	29	ug/kg
B-7 (1-2)	L1941309-03	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	120	22	ug/kg
B-7 (1-2)	L1941309-03	FLUORENE	9/17/2019		Y	N	U		U	200	19	ug/kg
B-7 (1-2)	L1941309-03	NAPHTHALENE	9/17/2019		Y	N	U		U	200	24	ug/kg
B-7 (1-2)	L1941309-03	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	180	32	ug/kg
B-7 (1-2)	L1941309-03	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	240	24	ug/kg
B-7 (1-2)	L1941309-03	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	200	24	ug/kg
B-7 (1-2)	L1941309-03	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	200	20	ug/kg
B-7 (1-2)	L1941309-03	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	200	34	ug/kg
B-7 (1-2)	L1941309-03	ANTHRACENE	9/17/2019		Y	N	U		U	120	39	ug/kg
B-7 (1-2)	L1941309-03	2-METHYLPHENOL	9/17/2019		Y	N	U		U	200	31	ug/kg
B-7 (1-2)	L1941309-03	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	220	20	ug/kg
B-7 (1-2)	L1941309-03	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	200	40	ug/kg
B-7 (1-2)	L1941309-03	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	120	38	ug/kg
B-7 (1-2)	L1941309-03	1,4-DIOXANE	9/17/2019		Y	N	U		U	30	9.2	ug/kg
B-7 (1-2)	L1941309-03	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	200	34	ug/kg
B-7 (1-2)	L1941309-03	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	200	36	ug/kg

Analytical Method	SW8270D											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
B-7 (1-2)	L1941309-03	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	200	23	ug/kg
B-7 (1-2)	L1941309-03	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	200	21	ug/kg
B-7 (1-2)	L1941309-03	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	960	93	ug/kg
B-7 (1-2)	L1941309-03	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	160	31	ug/kg
B-7 (1-2)	L1941309-03	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	200	66	ug/kg
B-7 (1-2)	L1941309-03	ACETOPHENONE	9/17/2019		Y	N	U		U	200	25	ug/kg
B-7 (1-2)	L1941309-03	2-NITROANILINE	9/17/2019		Y	N	U		U	200	39	ug/kg
B-7 (1-2)	L1941309-03	ACENAPHTHENE	9/17/2019		Y	N	U		U	160	21	ug/kg
B-7 (1-2)	L1941309-03	4-NITROPHENOL	9/17/2019		Y	N	U		U	280	82	ug/kg
B-7 (1-2)	L1941309-03	4-NITROANILINE	9/17/2019		Y	N	U		U	200	83	ug/kg
B-7 (1-2)	L1941309-03	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	200	21	ug/kg
B-7 (1-2)	L1941309-03	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	200	30	ug/kg
B-7 (1-2)	L1941309-03	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	520	96	ug/kg
B-7 (1-2)	L1941309-03	3-NITROANILINE	9/17/2019		Y	N	U		U	200	38	ug/kg
B-7 (1-2)	L1941309-03	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	290	31	ug/kg
B-7 (1-2)	L1941309-03	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	200	53	ug/kg
B-7 (1-2)	L1941309-03	2-NITROPHENOL	9/17/2019		Y	N	U		U	430	75	ug/kg
B-7 (1-2)	L1941309-03	4-CHLOROANILINE	9/17/2019		Y	N	U		U	200	36	ug/kg

Analytical Method	SW9012B											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
B-1 (10-11)	L1941309-08	CYANIDE, TOTAL	9/12/2019		Y	N	U		U	0.97	0.20	mg/kg
B-1 (2-3)	L1941309-06	CYANIDE, TOTAL	9/12/2019		Y	N	U		U	1.0	0.21	mg/kg
B-1 (5-6)	L1941309-07	CYANIDE, TOTAL	9/12/2019		Y	N	U		U	0.99	0.21	mg/kg
B-10 (11-12)	L1941309-16	CYANIDE, TOTAL	9/12/2019		Y	N	U	UJ	UJ	1.0	0.22	mg/kg

SDG: L1941309

Analytical Method SW9012B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-10 (2-3)	L1941309-14	CYANIDE, TOTAL	9/12/2019		Y	N	U	UJ	UJ	1.0	0.22	mg/kg
B-10 (7-8)	L1941309-15	CYANIDE, TOTAL	9/12/2019		Y	N	U	UJ	UJ	1.1	0.23	mg/kg
B-11 (0-1)	L1941309-10	CYANIDE, TOTAL	9/12/2019		Y	N	J	U	U	1.1	0.24	mg/kg
B-11 (6-7)	L1941309-09	CYANIDE, TOTAL	9/12/2019		Y	N	U		U	1.0	0.22	mg/kg
B-15 (3-4)	L1941309-17	CYANIDE, TOTAL	9/12/2019		Y	N	U	UJ	UJ	1.1	0.23	mg/kg
B-15 (6-7)	L1941309-18	CYANIDE, TOTAL	9/12/2019		Y	N	U	UJ	UJ	1.0	0.22	mg/kg
B-16 (3-4)	L1941309-04	CYANIDE, TOTAL	9/12/2019		Y	N	U		U	1.0	0.21	mg/kg
B-16 (7-8)	L1941309-05	CYANIDE, TOTAL	9/12/2019		Y	N	U		U	1.0	0.22	mg/kg
B-2 (3-4)	L1941309-01	CYANIDE, TOTAL	9/12/2019		Y	N	U		U	0.96	0.20	mg/kg
B-2 (6-7)	L1941309-02	CYANIDE, TOTAL	9/12/2019		Y	N	U		U	1.0	0.22	mg/kg
B-6 (10-11)	L1941309-11	CYANIDE, TOTAL	9/12/2019		Y	N	U		U	1.0	0.22	mg/kg
B-6 (1-2)	L1941309-13	CYANIDE, TOTAL	9/12/2019		Y	N	U	UJ	UJ	1.1	0.24	mg/kg
B-6 (7-8)	L1941309-12	CYANIDE, TOTAL	9/12/2019		Y	N	U		U	1.0	0.22	mg/kg
B-7 (1-2)	L1941309-03	CYANIDE, TOTAL	9/12/2019	9.2	Y	Y				1.2	0.25	mg/kg

Site: 33 Centre Avenue
Laboratory: Alpha Analytical, Inc.
Report No.: L1941584
Reviewer: Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date: December 2, 2019

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
WC-A-3 (0-5)	L1941584-01	VOC, SVOC, Pesticide, PCB
WC-A-4 (0-6)	L1941584-02	VOC, SVOC, Pesticide, PCB
WC-B-4 (0-5)	L1941584-03	VOC, SVOC, Pesticide, PCB
B-4 (4-5)	L1941584-04	VOC, SVOC, Pesticide, PCB, PFAS
B-4 (7-8)	L1941584-05	VOC, SVOC, Pesticide, PCB, PFAS
WC-B-3 (0-5)	L1941584-06	VOC, SVOC, Pesticide, PCB
B-9 (3-4)	L1941584-07	VOC, SVOC, Pesticide, PCB, PFAS
B-9 (6-7)	L1941584-08	VOC, SVOC, Pesticide, PCB, PFAS
B-14 (8-9)	L1941584-09	VOC, SVOC, Pesticide, PCB, PFAS
B-14 (2-3)	L1941584-10	VOC, SVOC, Pesticide, PCB, PFAS
B-13 (3-4)	L1941584-11	VOC, SVOC, Pesticide, PCB
B-13 (6-7)	L1941584-12	VOC, SVOC, Pesticide, PCB
B-8 (4-5)	L1941584-13	VOC, SVOC, Pesticide, PCB
B-8 (5-6)	L1941584-14	VOC, SVOC, Pesticide, PCB
B-3 (4-5)	L1941584-15	VOC, SVOC, Pesticide, PCB
B-3 (6-7)	L1941584-16	VOC, SVOC, Pesticide, PCB
DUP	L1941584-17	VOC, SVOC, Pesticide, PCB, PFAS
WC-A-4 (0-6)RE	L1941584-02RE	VOC
B-4 (7-8)RE	L1941584-05RE	VOC
B-9 (3-4)RE	L1941584-07RE	VOC
B-8 (4-5)RE	L1941584-13RE	VOC
B-8 (5-6)RE	L1941584-14RE	VOC
B-3 (4-5)RE	L1941584-15RE	VOC
B-3 (6-7)RE	L1941584-16RE	VOC
DUPRE	L1941584-17RE	VOC
WC-A-4 (0-6)DL	L1941584-02DL	SVOC
B-8 (4-5)DL	L1941584-13DL	SVOC
B-4 (4-5)DL	L1941584-04DL	Pesticide
B-9 (3-4)DL	L1941584-07DL	Pesticide
B-13 (6-7)DL	L1941584-12DL	Pesticide

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: B-8 (4-5) and DUP
B-8 (4-5)DL and DUP
B-8 (4-5)RE and DUPRE

The above-listed soil and water samples were collected on September 11, 2019 and were analyzed for volatile organic compounds (VOC) by SW-846 method 8260C, semivolatile organic compounds (SVOC) by SW-846 method 8270D, chlorinated pesticides by SW 846 method 8081B, polychlorinated biphenyls (PCB) by SW-846 method 8082A, and perfluoroalkyl and polyfluoroalkyl substances (PFAS) by method 537 modified. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C,* SOP HW-24, Revision 4 (October 2014), the USEPA Region 2 *Standard Operating Procedure for Semivolatile Data Validation SW-846 Method 8270D,* SOP HW-35A, Revision 0 (June 2015), the USEPA Region 2 *Standard Operating Procedure for Validating Pesticide Compounds, Organochlorine Pesticides by Gas Chromatography SW-846 Method 8081B,* SOP HW-44, Revision 1.1 (December 2010), the USEPA Region 2 *Standard Operating Procedure for Validating PCB Compounds, PCBs by Gas Chromatography SW-846 Method 8082A,* SOP HW-45, Revision 1 (October 2006), the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-2017-002 (January 2017), and the USEPA Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFAS) Analyzed Using EPA Method 537 (November 2018), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- GC/Electron Capture Detector (GC/ECD) Instrument Performance Checks
- Liquid Chromatography/Mass Spectrometry (LC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards/Labeled Compounds
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers with the exception listed below.

Samples WC-A-4 (0-6), B-4 (7-8), B-9 (3-4), B-8 (4-5), B-8 (5-6), B-3 (4-5), B-3 (6-7), and DUP were re-analyzed for VOC at medium level since the acetone results were over the calibration range in the low level analysis. All the acetone results were non-detect in the re-analysis. For all VOC results in samples WC-A-4 (0-6), B-4 (7-8), B-9 (3-4), B-8 (4-5), B-8 (5-6), B-3 (4-5), B-3 (6-7), and DUP, the original results should be considered the most usable. The VOC results should not be considered usable for samples WC-A-4 (0-6)RE, B-4 (7-8)RE, B-9 (3-4)RE, B-8 (4-5)RE, B-8 (5-6)RE, B-3 (4-5)RE, B-3 (6-7)RE, and DUPRE.

Sample WC-A-4 (0-6) was re-analyzed at a dilution in the SVOC analysis because the fluoranthene, benzo(b)fluoranthene, phenanthrene, and pyrene results were over the calibration range in the initial analysis. For fluoranthene, benzo(b)fluoranthene, phenanthrene, and pyrene results in sample WC-A-4 (0-6), the dilution should be considered the most usable.

Sample B-8 (4-5) was re-analyzed at a dilution in the SVOC analysis because the fluoranthene, phenanthrene, and pyrene results were over the calibration range in the initial analysis. For fluoranthene, phenanthrene, and pyrene results in sample B-8 (4-5), the dilution should be considered the most usable.

Sample B-4 (4-5) was re-analyzed at a dilution in the pesticides analysis because the 4,4'-DDD result was over the calibration range in the initial analysis. For the 4,4'-DDD result in sample B-4 (4-5), the dilution should be considered the most usable.

Sample B-9 (3-4) was re-analyzed at a dilution in the pesticides analysis because the trans-chlordane and cis-chlordane results were over the calibration range in the initial analysis. For the trans-chlordane and cis-chlordane results in sample B-9 (3-4), the dilution should be considered the most usable.

Sample B-13 (6-7) was re-analyzed at a dilution in the pesticides analysis because the 4,4'-DDT result was over the calibration range in the initial analysis. For the 4,4'-DDT result in sample B-13 (6-7), the dilution should be considered the most usable.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

VOC and SVOC

All criteria were met.

GC/ECD Instrument Performance Checks

Pesticide and PCB

All criteria were met.

LC/MS Tunes

PFAS

All criteria were met.

Initial and Continuing Calibrations

VOC

Initial calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
06/21/19	ICAL-VOA123	1,4-Dioxane	0.00343 (≥0.005)	B-3 (4-5)RE B-3 (6-7)RE DUPRE	+	UJ nondetects
07/26/19	ICAL-VOA117	1,4-Dioxane	0.00149 (≥0.005)	B-4 (4-5) B-13 (6-7) B-8 (4-5) B-8 (5-6)	+	UJ nondetects
09/06/19	ICAL-VOA100	1,4-Dioxane	0.00137 (≥0.005)	B-3 (4-5) B-3 (6-7) DUP WC-A-4 (0-6)RE B-4 (7-8)RE B-9 (3-4)RE B-8 (4-5)RE B-8 (5-6)RE	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane results were estimated due to response factor exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Date	Instrument ID	Compound	ICV %D	Associated Samples		Validation Action
07/27/19	ICV-VOA117	Dichlorodifluoromethane	75.3	B-4 (4-5) B-13 (6-7) B-8 (4-5) B-8 (5-6)	SS	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The dichlorodifluoromethane results were estimated due to second source calibration exceedance. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
09/16/19	CCV-VOA117	Dichlorodifluoromethane	25.3	B-4 (4-5)	XX	J detects/UJ nondetects
		Chloromethane	21.3	B-13 (6-7)	XX	J detects/UJ nondetects
		Vinyl chloride	31.4	B-8 (4-5)	XX	J detects/UJ nondetects
		Bromomethane	26.7	B-8 (5-6)	XX	J detects/UJ nondetects
		Chloroethane	29.2		XX	J detects/UJ nondetects
		1,1-Dichloroethene	26.8		XX	J detects/UJ nondetects
		Carbon disulfide	26.8		XX	J detects/UJ nondetects
		2-Hexanone	23.9		XX	J detects/UJ nondetects
		Ethyl ether	30.4		XX	J detects/UJ nondetects
		Naphthalene	21.5		XX	J detects/UJ nondetects
09/17/19	CCV-VOA100	2-Butanone	22.8	B-3 (4-5) B-3 (6-7) DUP WC-A-4 (0-6)RE B-4 (7-8)RE B-9 (3-4)RE B-8 (4-5)RE B-8 (5-6)RE	XX	J detects/UJ nondetects
09/18/19	CCV-VOA123	Methylene chloride	20.7	B-3 (4-5)RE	XX	J detects/UJ nondetects
		Bromoform	20.3	B-3 (6-7)RE DUPRE	XX	J detects/UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The dichlorodifluoromethane, chloromethane, vinyl chloride, bromomethane, chloroethane, 1,1-dichloroethene, carbon disulfide, 2-hexanone, ethyl ether, naphthalene, 2-butanone, methylene chloride, and bromoform results for the samples listed above were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
09/16/19	CCV-VOA117	1,4-Dioxane	0.00177 (≥0.005)	B-4 (4-5) B-13 (6-7) B-8 (4-5) B-8 (5-6)	+	UJ nondetects
09/17/19	CCV-VOA100	1,4-Dioxane	0.00139 (≥0.005)	B-3 (4-5) B-3 (6-7) DUP WC-A-4 (0-6)RE B-4 (7-8)RE B-9 (3-4)RE B-8 (4-5)RE B-8 (5-6)RE	+	UJ nondetects
09/18/19	CCV-VOA123	1,4-Dioxane	0.00326 (≥0.005)	B-3 (4-5)RE B-3 (6-7)RE DUPRE	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane results were estimated due to response factor exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

SVOC

Initial calibration:

All criteria were met.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
09/17/19	CCV	Bis(2-chloroisopropyl) ether	21.6	WC-A-3 (0-5) WC-A-4 (0-6) WC-B-4 (0-5) B-4 (7-8) WC-B-3 (0-5) B-9 (3-4) B-9 (6-7) B-14 (8-9) B-14 (2-3)	XX	UJ nondetects
09/17/19	CCV	3-Nitroaniline	20.9	B-13 (3-4)	XX	J detects/UJ nondetects
		4-Nitroaniline	21.9	B-13 (6-7)	XX	J detects/UJ nondetects
		Di-n-butylphthalate	23.6		XX	J detects/UJ nondetects
		Butylbenzylphthalate	24.6		XX	J detects/UJ nondetects
		Bis(2-ethylhexyl)phthalate	31.8		XX	J detects/UJ nondetects
		Di-n-octylphthalate	31.4		XX	J detects/UJ nondetects
09/17/19	CCV	Bis(2-chloroisopropyl) ether	25.8	B-8 (5-6)	XX	UJ nondetects
		2,4-Dimethylphenol	20.3	B-3 (4-5)	XX	UJ nondetects
		Hexachlorocyclopentadiene	22.3	B-3 (6-7)	XX	UJ nondetects
09/17/19	CCV	Bis(2-chloroisopropyl) ether	24.6	DUP	XX	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The bis(2-chloroisopropyl) ether, 3-nitroaniline, 4-nitroaniline, di-n-butylphthalate, butylbenzylphthalate, bis(2-ethylhexyl)phthalate, di-n-octylphthalate, 2,4-dimethylphenol, hexachlorocyclopentadiene, and 1,4-dioxane results were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Pesticide

Initial calibration:

All criteria were met.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Column	Compound	CC %D	Associated Samples		Validation Action
09/17/19	CCV-PEST10	CLP 1	Methoxychlor	25.2	B-4 (7-8) B-9 (6-7) B-14 (8-9) B-8 (4-5) B-3 (6-7)	XX	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The methoxychlor results were estimated due to continuing calibration exceedance. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

PCB and PFAS

All criteria were met.

Blanks

VOC

Contamination was detected in the associated VOC method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Blank ID	Compound TIC (RT in minutes)	Level Detected	Action Level	Associated Samples
WG1285068-5Blank	Chloroform	0.23 ug/Kg	RL	B-13 (6-7) B-8 (4-5) B-8 (5-6)
WG1285600-5Blank	Chloroform Bromomethane Unknown (2.21) Cyclotrisiloxane, hexamethyl (7.88) Unknown (12.88)	7.0 ug/Kg 30 ug/Kg 103 ug/Kg 116 ug/Kg 130 ug/Kg	RL RL RL RL RL	B-3 (4-5)RE B-3 (6-7)RE DUPRE

Blank ID	Compound TIC (RT in minutes)	Level Detected	Action Level	Associated Samples
WG1284995-5Blank	Chloroform	0.19 ug/Kg	RL	WC-A-3 (0-5) WC-A-4 (0-6) WC-B-4 (0-5) B-4 (7-8) WC-B-3 (0-5) B-9 (3-4) B-9 (6-7) B-14 (8-9) B-14 (2-3) B-13 (3-4)
WG1285064-5Blank	Chloroform	12 ug/Kg	RL	B-4 (4-5)

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

Qualified sample results are listed in the table below.

Sample ID	Compound TIC (RT in minutes)	Level Detected	Validation Action
B-13 (6-7)	Chloroform	0.39 ug/Kg	2.0U ug/Kg
B-8 (4-5)	Chloroform	0.24 ug/Kg	1.3U ug/Kg
B-8 (5-6)	Chloroform	0.24 ug/Kg	1.4U ug/Kg
B-3 (4-5)RE	Cyclotrisiloxane, hexamethyl (7.88)	150 ug/Kg	150U ug/Kg
B-3 (6-7)RE	Cyclotrisiloxane, hexamethyl (7.88)	120 ug/Kg	120U ug/Kg
DUPRE	Unknown (2.22) Cyclotrisiloxane, hexamethyl (7.88)	125 ug/Kg 158 ug/Kg	125U ug/Kg 158U ug/Kg
WC-A-3 (0-5)	Chloroform	0.21 ug/Kg	1.6U ug/Kg
WC-A-4 (0-6)	Chloroform	0.24 ug/Kg	1.6U ug/Kg
WC-B-4 (0-5)	Chloroform	0.22 ug/Kg	1.6U ug/Kg
B-4 (7-8)	Chloroform	0.19 ug/Kg	1.6U ug/Kg
WC-B-3 (0-5)	Chloroform	0.17 ug/Kg	1.6U ug/Kg
B-9 (3-4)	Chloroform	0.28 ug/Kg	2.4U ug/Kg
B-9 (6-7)	Chloroform	0.18 ug/Kg	1.4U ug/Kg
B-14 (8-9)	Chloroform	0.19 ug/Kg	1.5U ug/Kg
B-14 (2-3)	Chloroform	0.19 ug/Kg	1.4U ug/Kg
B-13 (3-4)	Chloroform	0.22 ug/Kg	1.6U ug/Kg
B-4 (4-5)	Chloroform	14 ug/Kg	110U ug/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

A field blank was not associated with this samples set. Validation action was not required on this basis.

SVOC, Pesticide, and PCB

Contamination was not detected in the method blanks.

A field blank was not associated with this sample set. Validation action was not required on this basis.

PFAS

Contamination was detected in the associated PFAS method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at the reporting limit (RL) for contaminants. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
WG1288952-1Blank	Perfluorobutanoic acid	0.155 ug/Kg	RL	B-4 (4-5)
	Perfluorohexanoic acid	0.056 ug/Kg	RL	B-4 (7-8)
				B-9 (3-4)
				B-9 (6-7)
				B-14 (8-9)
				B-14 (2-3)
				DUP

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
B-4 (4-5)	Perfluorohexanoic acid	0.065 ug/Kg	1.04U ug/Kg
B-9 (3-4)	Perfluorohexanoic acid	0.058 ug/Kg	1.05U ug/Kg
B-9 (6-7)	Perfluorohexanoic acid	0.057 ug/Kg	1.02U ug/Kg
B-14 (8-9)	Perfluorohexanoic acid	0.057 ug/Kg	0.967U ug/Kg
B-14 (2-3)	Perfluorohexanoic acid	0.075 ug/Kg	1.02U ug/Kg
DUP	Perfluorohexanoic acid	0.060 ug/Kg	1.04U ug/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

VOC, SVOC, and PCB

All criteria were met.

Pesticide

The following table lists the surrogate percent recoveries (%R) outside of control limits in the pesticide analysis and the resulting validation actions.

Sample ID	Column	Surrogate	%R (Limits)	Validation Action
B-3 (4-5)	CLP 1	Decachlorobiphenyl	399 (30-150)	None
B-3 (4-5)	CLP 2	Decachlorobiphenyl	12762 (30-150)	None
WC-A-4 (0-6)	CLP 2	Decachlorobiphenyl	225 (30-150)	J detects
B-4 (4-5)	CLP 2	Decachlorobiphenyl	464 (30-150)	J detects
B-4 (4-5)	CLP 1	Tetrachloro-m-xylene	502 (30-150)	J detects

Validation action was not required for pesticides for sample B-3 (4-5) due to high surrogate percent recoveries as positive results only are affected and these compounds were not detected in the associated sample.

The pesticide results for samples WC-A-4 (0-6) and B-4 (4-5) may be biased high due to high surrogate percent recoveries. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

MS/MSD Results

MS/MSD analyses were not associated with this sample set. Validation action was not required on this basis.

LCS Results

VOC, SVOC, and PCB

All criteria were met.

Pesticide

The following table lists the LCS/LCSD relative percent differences (RPD) outside of control limits in the pesticide analysis and the resulting validation actions.

LCS ID	Compound	RPD (Limits)	Affected Sample	Validation Action
WG1285556-2/3	trans-Chlordane	31 (≤30)	DUP	None

Validation action was not required for trans-chlordane due to LCS/LCSD relative percent difference exceedance as positive results only are affected and this compound was not detected in the associated sample.

PFAS

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the PFAS analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
WG1288952/2-3	Perfluorooctanesulfonamide	-	218 (67-137)	B-4 (4-5) B-4 (7-8) B-9 (3-4) B-9 (6-7) B-14 (8-9) B-14 (2-3) DUP	None

- Within control limits

Validation action was not required for perfluorooctanesulfonamide due to high LCS/LCSD percent recovery as positive results only are affected and this compound was not detected in the associated samples.

The following table lists the LCS/LCSD relative percent differences (RPD) outside of control limits in the SVOC analysis and the resulting validation actions.

LCS ID	Compound	RPD (Limits)	Affected Sample	Validation Action
WG1288952/2-3	Perfluorooctanesulfonamide	51 (≤30)	B-4 (4-5) B-4 (7-8) B-9 (3-4) B-9 (6-7) B-14 (8-9) B-14 (2-3) DUP	None

Validation action was not required for perfluorooctanesulfonamide due to LCS/LCSD relative percent difference exceedance as positive results only are affected and this compound was not detected in the associated samples.

Internal Standards/Labeled Compounds

All criteria were met.

Field Duplicate Results

VOC

Samples B-8 (4-5) and DUP and samples B-8 (4-5)RE and DUPRE were submitted as the field duplicate pairs with this sample group. The following table summarizes the concentrations.

Compound	Concentration (ug/Kg)		RPD
	B-8 (4-5)	DUP	
Chloroform	0.24	1.4U	Not comparable
trans-1,2-Dichloroethene	0.24	1.4U	Not comparable
Trichloroethene	0.12	0.47U	Not comparable
Methyl-tert-butyl ether	0.50	0.31U	47
1,2-Dichloroethene, total	0.24	0.94U	Not comparable
Acetone	860	530	47

Compound	Concentration (ug/Kg)		RPD
	B-8 (4-5)RE	DUPRE	
Acetone	27U	7.7	Not comparable

SVOC

Samples B-8 (4-5) and DUP and samples B-8 (4-5)DL and DUP were submitted as the field duplicate pairs with this sample group. The following table summarizes the concentrations.

Compound	Concentration (ug/Kg)		RPD
	B-8 (4-5)	DUP	
Acenaphthene	3400	140U	Not comparable
Fluoranthene	120000	97	200
Naphthalene	4300	180U	Not comparable
Benzo(a)anthracene	640000	44	200
Benzo(a)pyrene	56000	140U	Not comparable
Benzo(b)fluoranthene	69000	56	200
Benzo(k)fluoranthene	25000	110U	Not comparable
Chrysene	61000	50	200
Acenaphthylene	12000	140U	Not comparable
Anthracene	18000	110U	Not comparable
Benzo(g,h,i)perylene	34000	33	200
Fluorene	6600	180U	Not comparable
Phenanthrene	85000	64	200
Dibenzo(a,h)anthracene	8600	110U	Not comparable
Indeno(1,2,3-cd)pyrene	36000	33	200
Pyrene	120000	88	200
Biphenyl	540	410U	Not comparable
Dibenzofuran	4100	180U	Not comparable
2-Methylnaphthalene	1800	220U	Not comparable
Phenol	270	180U	Not comparable
3&4-Methylphenol	430	260U	Not comparable
Carbazole	6100	180U	Not comparable

Compound	Concentration (ug/Kg)		RPD
	B-8 (4-5)DL	DUP	
Fluoranthene	150000	97	200
Phenanthrene	100000	64	200
Pyrene	130000	88	200

Pesticide

Samples B-8 (4-5) and DUP were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations.

Compound	Concentration (ug/Kg)		RPD
	B-8 (4-5)	DUP	
4,4'-DDE	1.67U	1.04	Not comparable
4,4'-DDT	3.14U	1.91	Not comparable

PCB

Samples B-8 (4-5) and DUP were submitted as the field duplicate pair with this sample group. There were no detected compounds in the field duplicate pair for PCB.

PFAS

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Moisture Content

All criteria were met.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC, SVOC, pesticide, PCB, and PFAS analyses. These results were qualified as estimated (J) by the laboratory.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	SVOC Analysis Reported
B-4 (4-5)	20-fold dilution due to nature of sample matrix
B-8 (4-5)	100-fold dilution due to nature of sample matrix
WC-A-4 (0-6)DL	4-fold dilution due to high analyte concentrations for fluoranthene, benzo(b)fluoranthene, phenanthrene, and pyrene

Sample	SVOC Analysis Reported
B-8 (4-5)DL	50-fold dilution due to high analyte concentrations for fluoranthene, phenanthrene, and pyrene

Sample	Pesticide Analysis Reported
B-4 (4-5)DL	2-fold dilution due to high analyte concentrations for 4,4'-DDD
B-9 (3-4)DL	50-fold dilution due to high analyte concentrations for cis-chlordane and trans-chlordane
B-13 (6-7)DL	10-fold dilution due to high analyte concentrations for 4,4'-DDT

Dilutions were not required for VOC, PCB, and PFAS analyses.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

All compound quantitations met validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Validation Action
WC-A-4 (0-6) B-4 (7-8) B-9 (3-4) B-8 (4-5) B-8 (5-6) B-3 (4-5) B-3 (6-7) DUP	Acetone	Sample result exceeded calibration range.	Reported result should be within calibration range.	J detects

The acetone results were estimated due to results exceeding the calibration range. The bias cannot be determined. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

The following table lists the GC dual column RPDs for pesticide analysis which were outside the control limit of 40% and the resulting actions. The direction of the bias cannot be determined from this nonconformance. All results are usable as estimated values (J).

Sample	Compound	RPD (%)	Validation Action
WC-A-3 (0-5)	4,4'-DDT	51	J detects
	trans-Chlordane	60	J detects
WC-A-4 (0-6)	4,4'-DDT	43	J detects
WC-B-4 (0-5)	trans-Chlordane	54	J detects
B-4 (4-5)	Chlordane	59	J detects
B-4 (7-8)	4,4'-DDE	66	J detects
WC-B-3 (0-5)	cis-Chlordane	43	J detects
B-9 (3-4)	Heptachlor epoxide	78	J detects
	cis-Chlordane	49	J detects

Sample	Compound	RPD (%)	Validation Action
B-9 (3-4)DL	cis-Chlordane	51	J detects
B-14 (2-3)	Heptachlor epoxide	91	J detects
	cis-Chlordane	80	J detects
B-13 (3-4)	Heptachlor epoxide	104	J detects
	cis-Chlordane	48	J detects
B-13 (6-7)	4,4'-DDD	92	J detects
	cis-Chlordane	45	J detects
DUP	4,4'-DDE	51	J detects

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 46420C1a

SDG #: L1941584

Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET

Category B

Date: 11/25/19

Page: 1 of 2

Reviewer:

2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	SW SW	%RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	SW	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	cs
IX.	Laboratory control samples	A	LCS ID
X.	Field duplicates	SW	D: 13,17 21,25,
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	SW	Results < RL > MDL = Jdet
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	SW	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1 1	WC-A-3 (0-5)	L1941584-01	Soil	09/11/19
2 1	WC-A-4 (0-6)	L1941584-02	Soil	09/11/19
3 1	WC-B-4 (0-5)	L1941584-03	Soil	09/11/19
4 2	B-4 (4-5)	L1941584-04	Soil	09/11/19
5 1	B-4 (7-8)	L1941584-05	Soil	09/11/19
6 1	WC-B-3 (0-5)	L1941584-06	Soil	09/11/19
7 1	B-9 (3-4)	L1941584-07	Soil	09/11/19
8 1	B-9 (6-7)	L1941584-08	Soil	09/11/19
9 1	B-14 (8-9)	L1941584-09	Soil	09/11/19
10 1	B-14 (2-3)	L1941584-10	Soil	09/11/19
11 1	B-13 (3-4)	L1941584-11	Soil	09/11/19
12 3	B-13 (6-7)	L1941584-12	Soil	09/11/19
13 3	B-8 (4-5) D	L1941584-13	Soil	09/11/19
14 3	B-8 (5-6)	L1941584-14	Soil	09/11/19

LDC #: 46420C1a **VALIDATION COMPLETENESS WORKSHEET** Date: 11/25/19
SDG #: L1941584 Category B Page: 2 of 2
Laboratory: Alpha Analytical, Inc. Reviewer: FR
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

15	5	B-3 (4-5)	L1941584-15	Soil	09/11/19
16	5	B-3 (6-7)	L1941584-16	Soil	09/11/19
17	5	DUP D	L1941584-17	Soil	09/11/19
18	4	WC-A-4 (0-6)RE	L1941584-02RE	Soil	09/11/19
19	4	B-4 (7-8)RE	L1941584-05RE	Soil	09/11/19
20	4	B-9 (3-4)RE	L1941584-07RE	Soil	09/11/19
21	4	B-8 (4-5)RE D_1	L1941584-13RE	Soil	09/11/19
22	4	B-8 (5-6)RE	L1941584-14RE	Soil	09/11/19
23	6	B-3 (4-5)RE	L1941584-15RE	Soil	09/11/19
24	6	B-3 (6-7)RE	L1941584-16RE	Soil	09/11/19
25	6	DUPRE D_1	L1941584-17RE	Soil	09/11/19
26					
27					
28					
29					
30					

Notes:

1	WG1284995-5 Blank	5	WG1285572-5 Blank
2	WG1285064-5 Blank	6	WG1285660-5 Blank
3	WG1285068-5 Blank		
4	WG1285570-5 Blank		

LDC #: 46420c1a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?		✓		
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?	✓			
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?		✓		
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target compounds detected in the field duplicates?	✓			
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 46420C/a

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?
Y N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?
Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____
Y N N/A Did the initial calibration meet the acceptance criteria?
Y N N/A Were all %RSDs and RRFs within the validation criteria of ≤20 %RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: 20%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
6	6/21/19	ICAL-VOA123	HHH		0.00343 (=0.005)	23→25, WG1285600-5 Blank	J/UJ/A ND
3,7	7/26/19	ICAL-VOA117	↓		0.00149 (=0.005)	4, 12→14 WG1285064-5 Blank	J/UJ/A ND
						WG1285068-5 Blank	
4,5	9/6/19	ICAL-VOA100	↓		0.00137 (=0.005)	15→22, WG1285570-5 Blank WG1285572-5 Blank	J/UJ/A ND

LDC #: 46420C/a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
Y N N/A Was an initial calibration verification standard analyzed after each ICAL for each instrument?
Y N N/A Were all %D within the validation criteria of ≤30 %D?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤30.0%)	Associated Samples	Qualifications
2,3	7/27/19	ICV-VOA117	JJ	75.3	4, 12 → 14,	J/UJ/A ND
	0156				WG12 85064 - 5 Blank	
					WG12 85068 - 5 Blank	

LDC #: 46420c1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
2+3	9/16/19	CCV-VOA117	JJ	25.3		4, 12 → 14	J/UJ/Δ (ND+Dt)
	1637		Δ	21.3		WG1285064-5Blank	
			C	31.4		WG1285068-5Blank	
			B	26.7			
			D	29.2			
			H	26.8			
			G	26.8			
			Z	23.9			
			HHHH		0.00177 (≥0.005)		
			Ethyl Ether	30.4			
			MMM	21.5			
4+5	9/17/19	CCV-VOA100	M	22.8		15 → 22	(ND+Dt)
	1539		HHHH		0.00139 (≥0.005)	WG1285570-5Blank	
						WG1285572-5BLK	
6	9/18/19	CCV-VOA123	E	20.7		23 → 25	
	0619		X	20.3		WG 1285600-Blank	
			HHHH		0.00326 (≥0.005)		

LDC #: 46420C/a

VALIDATION FINDINGS WORKSHEET
Blanks

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
Y N N/A Was a method blank associated with every sample in this SDG?
Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?
Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 9/16/19
Conc. units: ug/kg
Associated Samples: 12 → 17 14

3 Compound	Blank ID	Sample Identification								
	WG128500	68-5Blank		12	13	14				
K	0.23			~~0.17~~ 0.29 | 2.04	0.24 | 1.34	0.24 | 1.44				

Blank analysis date: 9/18/19
Conc. units: ug/kg
Associated Samples: 23 → 25

6 Compound	Blank ID	Sample Identification								
	WG128560	0-5Blank		23	24 25	24				
K	7.0					-				
B	30					-				
unknown	103 (2.21)					125 (2.22)				
cyclotrisiloxane, hexamethyl	116 (7.88)			150 (7.88)	120 (7.88)	158 (7.88)				
unknown	130 (12.88)									

All results were qualified using the criteria stated below except those circled.

Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 46420C/2

VALIDATION FINDINGS WORKSHEET
Blanks

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
Y N N/A Was a method blank associated with every sample in this SDG?
Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?
Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 9/16/19
Conc. units: ug/Kg
Associated Samples: 1→3, 5→11

1 Compound	Blank ID	Sample Identification								
	WG1284995-5 Blank	1	2	3	5	6	7	8	9	
~~K~~	0.19	0.21 | 1.64	0.24 | 1.64	0.22 | 1.64	0.19 | 1.64	0.17 | 1.64	0.28 | 2.44	0.18 | 1.44	0.19 | 1.54	
		10	11							
		0.19 | 1.44	0.22 | 1.64							

Blank analysis date: 9/16/19
Conc. units: ug/Kg
Associated Samples: 4

2 Compound	Blank ID	Sample Identification								
	WG1285064-5 Blank		4							
~~K~~	12		14 | 110 U							

All results were qualified using the criteria stated below except those circled.

Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 46420c1a

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: FT
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (ug/kg)		RPD (≤ %)	QUAL
	13	17		
K	0.24	1.4 U	NC	
PPP	0.24	1.4 U	↓	
S	0.12	0.47 U	↓	
LL	0.50	0.31	47	
J	0.24	0.94 U	NC	

Compound	Concentration (ug/kg)		RPD (≤ %)	QUAL
	13	17		
F	860	530	47	

Compound	Concentration (ug/kg)		RPD (≤ %)	QUAL
	21	25		
S	27 U	7.7	NC	

Compound	Concentration ( )		RPD (≤ %)	QUAL

LDC #: 46420 C/a

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and CRQLs

Reviewer: FT
2nd Reviewer: [signature]

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?

Y N N/A Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?

#	Date	Sample ID	Compound	Finding	Qualifications
		2, 5, 7, 13, 14, 15, 16, 17	F	x'd cal Range	J+/A

Comments: See sample calculation verification worksheet for recalculations

LDC #: 16420c1q

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
All available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.

Y N N/A Was the overall quality and usability of the data acceptable?

#	Sample ID	Compound	Finding	Qualifications
	18 → 25	All	re-analysis at Medium level but F = ND higher RLs	NR

Comments: _____

OVR.wpd

LDC #: 46420C1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: Q

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 40 ug/L std)	Recalculated (RRF 40ug/L std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	6/21/2019	S	0.254	0.254	0.249	0.249	9.61	9.61
	VOA123		CC	0.743	0.743	0.750	0.750	6.38	6.38
			BB	0.745	0.745	0.726	0.726	8.68	8.68

LDC #: 46420C1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: [signature]

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 40 ug/L std)	Recalculated (RRF 40ug/L std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	9/6/2019	S	0.240	0.240	0.257	0.257	12.72	12.72
	VOA 100		CC	0.830	0.830	0.891	0.891	14.26	14.26
			BB	0.596	0.596	0.642	0.642	11.97	11.97

LDC #: 46420C1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 40 ug/L std)	Recalculated (RRF 40ug/L std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	7/26/2019	S	0.243	0.243	0.248	0.248	9.58	9.58
	VOA117		CC	0.828	0.828	0.820	0.820	4.64	4.64
			BB	0.544	0.544	0.560	0.560	9.28	9.28

LDC #: 46420C1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 40 ug/L std)	Recalculated (RRF 40ug/L std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL VOA104	9/12/2019	LL	0.642	0.642	0.726	0.726	11.98	11.98
			CC	0.925	0.925	1.033	1.033	11.39	11.39
			BB	0.675	0.675	0.750	0.750	9.94	9.94

LDC #: 464/20C/a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA Method 8260C)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 104	9/16/19	LL (1st internal standard)	0.726	0.701	0.701	3.4	3.4
	9504		CC (2nd internal standard)	1.033	0.978	0.978	5.3	5.3
			BB (3rd internal standard)	0.750	0.669	0.669	10.8	10.8
			(4th internal standard)					
2	CCV 117	9/16/19	S (1st internal standard)	0.248	0.242	0.242	2.4	2.4
	16:37		CC (2nd internal standard)	0.820	0.745	0.745	9.1	9.1
			BB (3rd internal standard)	0.560	0.471	0.471	15.9	15.9
			(4th internal standard)					
4	CCV 100	9/17/19	S (1st internal standard)	0.257	0.248	0.248	3.5	3.5
	1539		CC (2nd internal standard)	0.891	0.833	0.833	6.5	6.5
			BB (3rd internal standard)	0.642	0.575	0.575	10.4	10.4
			(4th internal standard)					
5	CCV 123	9/18/19	S (1st internal standard)	0.249	0.222	0.222	10.8	10.8
	06:19		CC (2nd internal standard	0.750	0.652	0.652	13.1	13.1
			BB (3rd internal standard)	0.726	0.629	0.629	13.4	13.4
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420C1a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	20.0	20.069	100	100	0
1,2-Dichloroethane-d4	↓	20.048	100	100	↓
Toluene-d8		19.482	97	97	
Bromofluorobenzene		19.890	99	99	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 46420C1a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: WG1284995-3/4

Compound	Spike Added (ug/kg)		Spiked Sample Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	20	20	19 19.140	19 19.183	96	96	96	96	0	0
Trichloroethene			20 19.525	19 19.431	98	90	97	97	1	1
Benzene			19 19.092	19 18.902	96	96	94	94	2	1
Toluene			19 18.926	19 18.764	95	95	94	94	1	1
Chlorobenzene			19 18.621	18 18.384	93	93	92	92	1	1

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results. 9/16/19 1504
9/16/19 1530

LDC #: 46420C/e

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #2, LL:

Conc. = $\frac{6915\ (20.0)\ (5)}{(184552)(0.726^{-1})(5.18)(0.89)}$

= 1.095 ug/kg

5.2g S = 89%

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Qualification
	#2	LL	1.1	1.095	

LDC #: 46420C2a

SDG #: L1941584

Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET

Category B

Date: 11/22/19

Page: 1 of 2

Reviewer: FT

2nd Reviewer:

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	%RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	SW	
VIII.	Matrix spike/Matrix spike duplicates	N	CS
IX.	Laboratory control samples	A	LCS ID
X.	Field duplicates	N	D= 13, 17 19, 17
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Results < RL > MDL = Jdet
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	SW	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID		Lab ID	Matrix	Date
1	WC-A-3 (0-5)		L1941584-01	Soil	09/11/19
2	WC-A-4 (0-6)		L1941584-02	Soil	09/11/19
3	WC-B-4 (0-5)		L1941584-03	Soil	09/11/19
4	B-4 (4-5)	20X	L1941584-04	Soil	09/11/19
5	B-4 (7-8)		L1941584-05	Soil	09/11/19
6	WC-B-3 (0-5)		L1941584-06	Soil	09/11/19
7	B-9 (3-4)		L1941584-07	Soil	09/11/19
8	B-9 (6-7)		L1941584-08	Soil	09/11/19
9	B-14 (8-9)		L1941584-09	Soil	09/11/19
10	B-14 (2-3)		L1941584-10	Soil	09/11/19
11	B-13 (3-4)		L1941584-11	Soil	09/11/19
12	B-13 (6-7)		L1941584-12	Soil	09/11/19
13	B-8 (4-5)	10X	L1941584-13	Soil	09/11/19
14	B-8 (5-6)		L1941584-14	Soil	09/11/19

LDC #: 46420C2a **VALIDATION COMPLETENESS WORKSHEET** Date: 11/22/19
SDG #: L1941584 Category B Page: 2 of 2
Laboratory: Alpha Analytical, Inc. Reviewer: FT
2nd Reviewer:

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

15	B-3 (4-5)		L1941584-15	Soil	09/11/19
16	B-3 (6-7)		L1941584-16	Soil	09/11/19
17	DUP		L1941584-17	Soil	09/11/19
18	#2 DL	4X			
19	#13 DL	50X			
20					
21					
22					

Notes:

1	WG1284077-1Blank						
2	WG1284271-1Blank						

LDC #: 46420C2a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: Semivolatiles (EPA SW 846 Method 8270D)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?		✓		
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any percent recoveries (%R) was less than 10%, was a reanalysis performed to confirm %R ?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	

LDC #: 46420C2a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	CC. Dimethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	GGGG. C30-Hopane	I1. Methyl methanesulfonate
B. Bis (2-chloroethyl) ether	DD. Acenaphthylene	FFF. Di-n-octylphthalate	HHHH. 1-Methylphenanthrene	J1. Ethyl methanesulfonate
C. 2-Chlorophenol	EE. 2,6-Dinitrotoluene	GGG. Benzo(b)fluoranthene	IIII. 1,4-Dioxane	K1. o,o',o''-Triethylphosphorothioate
D. 1,3-Dichlorobenzene	FF. 3-Nitroaniline	HHH. Benzo(k)fluoranthene	JJJJ. Acetophenone	L1. n-Phenylene diamine
E. 1,4-Dichlorobenzene	GG. Acenaphthene	III. Benzo(a)pyrene	KKKK. Atrazine	M1. 1,4-Naphthoquinone
F. 1,2-Dichlorobenzene	HH. 2,4-Dinitrophenol	JJJ. Indeno(1,2,3-cd)pyrene	LLLL. Benzaldehyde	N1. N-Nitro-o-toluidine
G. 2-Methylphenol	II. 4-Nitrophenol	KKK. Dibenz(a,h)anthracene	MMMM. Caprolactam	O1. 1,3,5-Trinitrobenzene
H. 2,2'-Oxybis(1-chloropropane)	JJ. Dibenzofuran	LLL. Benzo(g,h,i)perylene	NNNN. 2,6-Dichlorophenol	P1. Pentachlorobenzene
I. 4-Methylphenol	KK. 2,4-Dinitrotoluene	MMM. Bis(2-Chloroisopropyl)ether	OOOO. 1,2-Diphenylhydrazine	Q1. 4-Aminobiphenyl
J. N-Nitroso-di-n-propylamine	LL. Diethylphthalate	NNN. Aniline	PPPP. 3-Methylphenol	R1. 2-Naphthylamine
K. Hexachloroethane	MM. 4-Chlorophenyl-phenyl ether	OOO. N-Nitrosodimethylamine	QQQQ. 3&4-Methylphenol	S1. Triphenylene
L. Nitrobenzene	NN. Fluorene	PPP. Benzoic Acid	RRRR. 4-Dimethyldibenzothiophene (4MDT)	T1. Octachlorostyrene
M. Isophorone	OO. 4-Nitroaniline	QQQ. Benzyl alcohol	SSSS. 2/3-Dimethyldibenzothiophene (4MDT)	U1. Famphur
N. 2-Nitrophenol	PP. 4,6-Dinitro-2-methylphenol	RRR. Pyridine	TTTT. 1-Methyldibenzothiophene (1MDT)	V1. 1,4-phenylenediamine
O. 2,4-Dimethylphenol	QQ. N-Nitrosodiphenylamine	SSS. Benzidine	UUUU.. 2,3,4,6-Tetrachlorophenol	W1. Methapyrilene
P. Bis(2-chloroethoxy)methane	RR. 4-Bromophenyl-phenylether	TTT. 1-Methylnaphthalene	VVVV. 1,2,4,5-Tetrachlorobenzene	X1. Pentachloroethane
Q. 2,4-Dichlorophenol	SS. Hexachlorobenzene	UUU.Benzo(b)thiophene	WWWW.. 2-Picoline	Y1. 3,3'-Dimethylbenzidine
R. 1,2,4-Trichlorobenzene	TT. Pentachlorophenol	VVV.Benzonaphthothiophene	XXXX. 3-Methylcholanthrene	Z1. o-Toluidine
S. Naphthalene	UU. Phenanthrene	WWW.Benzo(e)pyrene	YYYY. a,a-Dimethylphenethylamine	A2. 1-Naphthylamine
T. 4-Chloroaniline	VV. Anthracene	XXX. 2,6-Dimethylnaphthalene	ZZZZ. Hexachloropropene	B2. 4-Aminobiphenyl
U. Hexachlorobutadiene	WW. Carbazole	YYY. 2,3,5-Trimethylnaphthalene	A1. N-Nitrosodiethylamine	C2. 4-Nitroquinoline-1-oxide
V. 4-Chloro-3-methylphenol	XX. Di-n-butylphthalate	ZZZ. Perylene	B1. N-Nitrosodi-n-butylamine	D2. Hexachloropene
W. 2-Methylnaphthalene	YY. Fluoranthene	AAAA. Dibenzothiophene	C1. N-Nitrosomethylethylamine	E2. Bis (2-chloro-1-methylethyl) ether
X. Hexachlorocyclopentadiene	ZZ. Pyrene	BBBB. Benzo(a)fluoranthene	D1. N-Nitrosomorpholine	F2. Bifenthrin
Y. 2,4,6-Trichlorophenol	AAA. Butylbenzylphthalate	CCCC. Benzo(b)fluorene	E1. N-Nitrosopyrrolidine	G2.Cyfluthrin
Z. 2,4,5-Trichlorophenol	BBB. 3,3'-Dichlorobenzidine	DDDD. cis/trans-Decalin	F1. Phenacetin	H2.Cypermethrin
AA. 2-Chloronaphthalene	CCC. Benzo(a)anthracene	EEEE. Biphenyl	G1. 2-Acetylaminofluorene	I2.Permethrin (cis/trans)
BB. 2-Nitroaniline	DDD. Chrysene	FFFF. Retene	H1. Pronamide	J2. 5-Nitro-o-toluidine

LDC #: 46420C2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours of sample analysis for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	9/17/19 1026	ccv	MMM	21.6		1→3, 5→10	J/UJ/A ND
	9/17/19 1241	ccv	FF	20.9		11, 12	J/UJ/A ND+DL
			~~OO~~	21.9			
			XX	23.6			
			ΔΔΔ	24.6			
			EEE	31.8			
			FFF	31.4			
	9/17/19 1825	ccv	MMM	25.8		14→16	J/UJ/A ND
			~~O~~	20.3			
			X	22.3			
	9/17/19 1413	~~ccv~~	~~III~~	~~23.2~~	NON-TRG	14→16	J/UJ/A ~~ND~~
	9/17/19 2135	ccv	MMM~~*~~	24.6		17, WG1284271-1Blank	J/UJ/A ND

CONCAL.wpd

LDC #: 46420C2a

VALIDATION FINDINGS WORKSHEET
Surrogate Recovery

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Y (N) N/A Were percent recoveries (%R) for surrogates within QC limits?
Y N N/A If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?
Y N N/A If any %R was less than 10 percent, was a reanalysis performed to confirm %R?

#	Sample ID	Surrogate	%R (Limits)	Qualifications
	4	surrogates diluted out	( )	no qual 20x DL
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	

(NBZ) = Nitrobenzene - d5
(FBP) = 2-Fluorobiphenyl
(TPH) = Terphenyl - d14
(2FP) = 2-Fluorophenol
(TBP) = 2,4,6 -Tribromophenol
(2CP) = 2-Chlorophenol - d4

LDC #: 46420C2a

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 2
Reviewer: F
2nd reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds identified in the field duplicate pairs?

Compound	Concentration (ug/kg)		RPD (≤ %)	QUAL
	13	17		
GG	3400	140U	NC	
YY	120000	97	200	
S	4300	180U	NC	
ccc	64000	44	200	
III	56000	140U	NC	
GGG	69000	56	200	
HHH	25000	110U	NC	
DDD	6100U	50	200	

Compound	Concentration (ug/kg)		RPD (≤ %)	QUAL
	13	17		
DD	12000	140U	NC	
VV	18000	110U	↓	
LLL	34000	33	200	
NN	6600	180U	NC	
UU	85000	64	200	
KKK	8600	110U	NC	
JJJ	36000	33	200	
ZZ	120000	88	200	

Compound	Concentration (ug/kg)		RPD (≤ %)	QUAL
	13	17		
Biphenyl	540	410U	NC	
JJJ	4100	180U		
W	1800	220U		
Δ	270	180U		
QQQQ	430	260U		
WW	6100	180U	↓	

LDC #: 46420C2a

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 2 of 2
Reviewer: FT
2nd reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds identified in the field duplicate pairs?

Compound	Concentration (ug/kg)		RPD (≤ %)	QUAL
	19	17		
YY	150000	97	200	
UU	100000	64	↓	
ZZ	130000 J	88	↓	

Compound	Concentration ( )		RPD (≤ %)	QUAL

Compound	Concentration ( )		RPD (≤ %)	QUAL

LDC #: 46420 C2a

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
All available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.

Y N N/A Was the overall quality and usability of the data acceptable?

#	Sample ID	Compound	Finding	Qualifications
	2	YY, GGG, UU, ZZ	x'd cal Range	NR
	13	YY, UU, ZZ	↓	↓

Comments: _____

LDC #: 46420c2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	6/9/2019	A	1.620	1.620	1.568	1.568	5.41	5.41
	GCMS5		S	1.043	1.043	1.015	1.015	12.51	12.51
	ABN		GG	1.171	1.171	1.168	1.168	12.54	12.54
			YY	1.427	1.427	1.328	1.328	7.29	7.29
			DDD	1.326	1.326	1.327	1.327	8.37	8.37
			JJJ	1.073	1.073	1.053	1.053	11.87	11.87

LDC #: 16420C2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: [signature]

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	6/9/2019	1,4 Dioxane	0.441	0.441	0.423	0.423	5.27	5.27
	GCMS5	ADP							

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	6/10/2019	Biphenyl	0.882	0.882	0.845	0.845	10.44	10.44
	GCMS5	AP9							

LDC #: 46420c2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/23/2019	A	1.742	1.742	1.756	1.756	1.81	1.81
	GCMS12		S	1.040	1.040	1.046	1.046	3.40	3.40
	ABN		GG	1.176	1.176	1.189	1.189	2.78	2.78
			UU	1.188	1.188	1.210	1.210	4.42	4.42
			EEE	1.283	1.283	1.201	1.201	11.19	11.19
			LLL	1.110	1.110	1.121	1.121	3.37	3.37

LDC #: 46420 c2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/23/2019	1,4 Dioxane	0.528	0.528	0.544	0.544	7.05	7.05
	GCMS12	ADP							

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/23/2019	Biphenyl	0.778	0.778	0.783	0.783	4.63	4.63
	GCMS12	AP9							

LDC #: 16420C2q

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/11/2019	A	1.748	1.748	1.751	1.751	3.37	3.37
	SV109		S	1.038	1.038	1.044	1.044	3.37	3.37
	ABN		GG	1.154	1.154	1.178	1.178	2.58	2.58
			UU	1.170	1.170	1.188	1.188	3.65	3.65
			EEE	1.180	1.180	1.177	1.177	1.98	1.98
			LLL	1.157	1.157	1.169	1.169	1.85	1.85

LDC #: 46420 C2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/12/2019	1,4 Dioxane	0.487	0.487	0.499	0.499	9.28	9.28
	SV109	ADP							

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/11/2019	Biphenyl	0.811	0.811	0.806	0.806	2.21	2.21
	SV109	AP9							

LDC #: 16420C2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	9/11/2019	A	2.192	2.192	2.200	2.200	1.92	2.200
	SV103		S	1.035	1.035	1.047	1.047	3.78	1.047
	ABN		GG	1.216	1.216	1.202	1.202	3.15	1.202
			UU	1.229	1.229	1.221	1.221	3.62	1.221
			EEE	1.266	1.266	1.220	1.220	4.67	1.220
			LLL	1.114	1.114	1.116	1.116	2.59	1.116

LDC #: 46420e2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	9/11/2019	1,4 Dioxane	0.668	0.668	0.684	0.684	8.70	8.70
	SV103	ADP							

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	9/10/2019	Biphenyl	0.790	0.790	0.783	0.783	1.50	1.50
	SV103	AP9							

LDC #: 46420C2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/21/2019	A	1.640	1.640	1.663	1.663	5.49	5.49
	Juliet		S	1.061	1.061	1.042	1.042	5.61	5.61
	ABN		GG	1.193	1.193	1.189	1.189	5.21	5.21
			UU	1.190	1.190	1.184	1.184	7.44	7.44
			EEE	1.072	1.072	1.000	1.000	8.75	8.75
			LLL	1.162	1.162	1.141	1.141	5.06	5.06

LDC #: 46420C 2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/21/2019	1,4 Dioxane	0.622	0.622	0.573	0.573	7.95	7.95
	Juliet	ADP							

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/21/2019	Biphenyl	0.819	0.819	0.784	0.784	3.78	3.78
	Juliet	AP9							

LDC #: 46420C2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	ccv 0858 Juliet ABN	9/18/19	A (1st IS)	1.663	1.701	1.701	2.3	2.3
			S (2nd IS)	1.042	0.93	0.93	10.7	10.7
			GG (3rd IS)	1.189	1.059	1.059	10.9	10.9
			HH (4th IS)	1.184	1.028	1.028	13.2	13.2
			EEE (5th IS)	1.000	0.917	0.917	8.3	8.3
			LLL (6th IS)	1.141	1.017	1.017	10.9	10.9
2	ccv 0951 ADP	9/18/19	1,4-Dioxane (1st IS)	0.573	0.473	0.473	17.5	17.5
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
3	ccv 0924 APQ	9/18/19	Biphenyl (1st IS)	0.784	0.853	0.853	8.8	8.8
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420C2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 2135 SV103 ABN	9/17/19	Δ (1st IS)	2.200	1.876	1.876	14.7	14.7
			S (2nd IS)	1.047	0.97	0.97	7.4	7.4
			GG (3rd IS)	1.202	1.072	1.072	10.8	10.8
			UU (4th IS)	1.221	1.123	1.123	8	8
			EEE (5th IS)	1.220	1.226	1.226	0.5	0.5
			LLL (6th IS)	1.116	1.049	1.049	6	6
2	CCV 2224 SV103 ADP	9/17/19	1,4-Dioxane (1st IS)	0.684	0.568	0.568	17	17
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
3	CCV 2159 APP	9/17/19	Biphenyl (1st IS)	0.783	0.734	0.734	6.3	6.3
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420 C2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	ccv B25 SV103	9/17/19	A (1st IS)	2.200	1.899	1.899	13.7	13.7
			S (2nd IS)	1.047	0.914	0.914	12.7	12.7
			GG (3rd IS)	1.202	1.017	1.017	15.4	15.4
			UU (4th IS)	1.221	1.055	1.055	13.6	13.6
			EEE (5th IS)	1.220	1.136	1.136	6.9	6.9
			LL (6th IS)	1.116	1.001	1.001	10.3	10.3
2	ccv ~~1329~~ 1413 SV103	9/17/19	1,4-Dioxane (1st IS)	0.684	0.525	0.525	23.2	23.2
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
3	ccv 1349 SV103	9/17/19	Biphenyl (1st IS)	0.783	0.73	0.73	6.8	6.8
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420c2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 1241 SV109 ABN	9/17/19	Δ (1st IS)	1.751	1.455	1.455	16.9	16.9
			S (2nd IS)	1.044	0.957	0.957	8.3	8.3
			GG (3rd IS)	1.178	1.019	1.019	13.5	13.5
			UU (4th IS)	1.188	1.008	1.008	15.2	15.2
			~~EEE~~ (5th IS)	1.177	0.803	0.803	31.8	31.8
			LLL (6th IS)	1.169	0.997	0.997	14.7	14.7
2	CCV 1329 ADP	9/17/19	1,4-Dioxane (1st IS)	0.499	0.433	0.433	13.2	13.2
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
3	CCV 1305 AP9	9/17/19	Biphenyl (1st IS)	0.806	0.842	0.842	4.5	4.5
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420 C2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 1026 ABN GCMS12	9/17/19	A (1st IS)	1.756	1.508	1.508	14.1	14.1
			S (2nd IS)	1.046	0.93	0.93	11.1	11.1
			GG (3rd IS)	1.189	1.046	1.046	12	12
			UU (4th IS)	1.210	1.045	1.045	13.6	13.6
			EEE (5th IS)	1.201	1.115	1.115	16.5	16.5
			LL (6th IS)	1.121	1.015	1.015	9.5	9.5
2	CCV 1112 ADP GCMS12	9/17/19	1,4 Dioxane (1st IS)	0.544	0.449	0.449	17.5	17.5
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
3	CCV 1050 ASG GCMS12	9/17/19	Biphenyl (1st IS)	0.783	0.736	0.736	6	6
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420C2a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	25.0	16.272	65	65	0
2-Fluorobiphenyl	↓	16.395	66	66	↓
Terphenyl-d14	↓	12.101	48	48	↓
Phenol-d5	50.0	38.209	76	76	↓
2-Fluorophenol	↓	31.494	63	63	↓
2,4,6-Tribromophenol	↓	38.421	77	77	↓
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 46420C2a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: WG1284077-2/3

Compound	Spike Added (ug/Kg)		Spike Concentration (ug/Kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol	1300	1300	900 (903)	820 (821)	69	69	63	63	9	10
N-Nitroso-di-n-propylamine			930 (934)	870 (868)	72	72	66	67	9	7
4-Chloro-3-methylphenol			1000 (1045)	1000 (996)	80	80	76	77	5	5
Acenaphthene			930 (933)	890 (894)	71	71	69	69	3	4
Pentachlorophenol			80 (807)	780 (786)	62	62	60	60	3	3
Pyrene	↓	↓	980 (976)	950 (947)	75	75	73	73	4	3

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results. 1/ 30.62
1/ 30.69

LDC #: 46420d2a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #2, ~~XX~~: JJJ

Conc. = $\frac{2553006\ (40)\ (1)\ (1000)}{844848\ (1.115)\ (30.1)\ (0.89)}$

=

4046.71 ug/kg

1/30.1 %S = 89

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Qualification
	#2	~~XX~~	~~4000~~ 4000	4046.71	

LDC #: 46420C3a
SDG #: L1941584
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 11/21/19
Page: 1 of 2
Reviewer: PT
2nd Reviewer:

METHOD: GC Chlorinated Pesticides (EPA SW846 Method 8081B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A A	
II.	GC Instrument Performance Check	A	
III.	Initial calibration/ICV	A A	%D/RSD/ICV ≤ 20
IV.	Continuing calibration	SW	
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes 1/13	SW	
VIII.	Matrix spike/Matrix spike duplicates	N	cs
IX.	Laboratory control samples	SW	Les ID
X.	Field duplicates SW ND		D - 13,17 a
XI.	Compound quantitation/RL/LOQ/LODs	SW	Results < RL > MDL = Jdet
XII.	Target compound identification	A	
XIII.	System Performance	A	
XIV.	Overall assessment of data	SW	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	WC-A-3 (0-5)	L1941584-01	Soil	09/11/19
2	WC-A-4 (0-6)	L1941584-02	Soil	09/11/19
3	WC-B-4 (0-5)	L1941584-03	Soil	09/11/19
4	B-4 (4-5)	L1941584-04	Soil	09/11/19
5	B-4 (7-8)	L1941584-05	Soil	09/11/19
6	WC-B-3 (0-5)	L1941584-06	Soil	09/11/19
7	B-9 (3-4)	L1941584-07	Soil	09/11/19
8	B-9 (6-7)	L1941584-08	Soil	09/11/19
9	B-14 (8-9)	L1941584-09	Soil	09/11/19
10	B-14 (2-3)	L1941584-10	Soil	09/11/19
11	B-13 (3-4)	L1941584-11	Soil	09/11/19
12	B-13 (6-7)	L1941584-12	Soil	09/11/19
13	B-8 (4-5)	L1941584-13	Soil	09/11/19
14	B-8 (5-6)	L1941584-14	Soil	09/11/19
15	B-3 (4-5)	L1941584-15	Soil	09/11/19

LDC #: 46420C3a
SDG #: L1941584
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 11/21/19
Page: 2 of 2
Reviewer:
2nd Reviewer:

METHOD: GC Chlorinated Pesticides (EPA SW846 Method 8081B)

16	B-3 (6-7)		L1941584-16	Soil	09/11/19
17 2	DUP		L1941584-17	Soil	09/11/19
18	#4DL	2X (M)	-04DL	SOIL	9/11/19
19	#7DL	5X (cis-chlordane, trans-Chlordane)	-07DL	SOIL	↓
20	#12DL	10X (8)	-12DL	↓	↓
21					
22					

Notes:

1	WG1284053-1 Blank						
2	WG1285556-1 Blank						

LDC #: 46420C3a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: Pesticides (EPA SW 846 Method 8081)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/ECD Instrument performance check				
Was the instrument performance found to be acceptable?	✓			
Were Evaluation mix standards analyzed prior to the initial calibration and at beginning of each 12-hour shift?	✓			
Were endrin and 4,4'-DDT breakdowns ≤ 15% for individual breakdown in the Evaluation mix standards?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?			✓	
Were the RT windows properly established?	✓			
IIIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
IV. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
VI. Field blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes/Internal Standards				
Were all surrogate percent recovery (%R) within the QC limits?	✓	✓		
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?		✓		

LDC #: 46420073a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Validation Area	Yes	No	NA	Findings/Comments
If any percent recovery (%R) was less than 10 percent, was a reanalysis performed to confirm %R?		✓		
Were internal standard area counts within ± 50% of the average area calculated during calibration?	✓			
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target compounds detected in the field duplicates?	✓			
XI. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions, dry weight factors, and clean-up activities applicable to level IV validation?	✓			
Were relative percent difference (RPD) of the results between two columns ≤ 40%?	✓	✓		
XII. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPA SW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Arochlor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 46420C 3a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: V **GC** __ **HPLC**

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
What type of continuing calibration calculation was performed? ___%D or ___%R
Y N N/A Were continuing calibration standards analyzed at the required frequencies?
Y N N/A Did the continuing calibration standards meet the %D / %R validation criteria of ≤20.0% / 80-120%?
Level IV Only
Y N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Detector/ Column	Compound	%D (Limit ≤ 20.0)	RT (limit)	Associated Samples	Qualifications
	9/17/19 2210	CCV PEST1D	CLP1	P	25.2		5, 8, 9, 13, 16 WG1284053-1Blank	J/UJ/A (ND)

LDC #: 46420C3a

VALIDATION FINDINDS WORKSHEET
Surrogate Recovery

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: ✓ **GC** __ **HPLC**

Are surrogates required by the method? Yes___ or No___.

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were surrogates spiked into all samples and blanks?

Y N N/A Did all surrogate recoveries (%R) meet the QC limits?

#	Sample ID	Detector/ Column	Surrogate Compound	%R (Limits)	Qualifications
	15	cup 1	o	399 (30 - 150)	J dil/p ND
		cup 2	o	12762 (↓)	↓
				( )	
	2	cup 2	o	225 (↓)	J dil/p ND + DeT
				( )	
				( )	
	4	cup 2	o	464 (↓)	J dil/p ND + DeT
		cup 1	Y	502 (↓)	↓
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C`	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 46420C3q

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: ✓ GC __ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a laboratory control samples (LCS) and laboratory control sample duplicate (LCSD) analyzed for each matrix in this SDG?

Y N N/A Were the LCS percent recoveries (%R) and relative percent differences (RPD) within the QC limits?

Level IV/D Only

Y N N/A Was an LCS analyzed every 20 samples for each matrix or whenever a sample extraction was performed?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	WG1285556-2/3	trans-Chlordane	( )	( )	31 (30)	17, WG1285556-1B blank	J det /P (NP)
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC #: 46420c3a

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and Reported CRQLs

Reviewer: FT
2nd Reviewer:

METHOD: ✓ GC __ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Level IV/D Only

Y N N/A Were CRQLs adjusted for sample dilutions, dry weight factors, etc.?

Y N N/A Did the reported results for detected target compounds agree within 10.0% of the recalculated results?

#	Associated Samples	Compound Name	Findings	Qualifications
	#1	4,4-DDT	51	J det /Δ
		trans-Chlordane	60	
	2	4,4'-DDT	43	
	3	trans-chlordane	54	
	4	chlordane	59	
	5	J	66	
	6	cis-chlordane	43	
	7	G	78	
		cis chlordane	49	✓

Comments: See sample calculation verification worksheet for recalculations

LDC #: 46420C3a

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and Reported CRQLs

Reviewer: FT
2nd Reviewer: O

METHOD: V GC __ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Level IV/D Only

Y N N/A Were CRQLs adjusted for sample dilutions, dry weight factors, etc.?

Y N N/A Did the reported results for detected target compounds agree within 10.0% of the recalculated results?

#	Associated Samples	Compound Name	% RPD Bet 2 col ≤40 Findings	Qualifications
1,4,8,9 1,5,15	19	cis-chlordane	51	J det /Δ
	10	G	91	
		cis-chlordane	80	
	11	G	104	
		cis-chlordane	48	
	12	M	92	
		cis chlordane	45	
	17	J	51	

Comments: See sample calculation verification worksheet for recalculations

LDC #: 46420C3q

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: ✓ **GC** __ **HPLC**

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

All available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.

Y N N/A Was the overall quality and usability of the data acceptable?

#	Associated samples	Compounds	Findings	Qualifications
	4	M	x'd cal Range	NR
	7	trans-Chlordane & Cis-Chlordane	↓	NR
	12	O	↓	NR

Comments: _____

LDC #: 46420c3a

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: FT
2nd reviewer:

METHOD: ✓ **GC** ___ **HPLC**

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (ug/kg)		%RPD Limit (≤ %)	Qualification (Parent only)
	13	17		
J	1.67 U	1.04	NC	
D	3.14 U	1.91	NC	

Compound	Concentration ( )		%RPD Limit (≤ %)	Qualification (Parent only)

Compound	Concentration ( )		%RPD Limit (≤ %))	Qualification (Parent only)

LDC #: 46420 C39

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC X HPLC _____

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 5.0ug/L	Recalculated 5.0 ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	4/23/2019	Gamma BHC CLP1	1.450	1.450	1.443	1.443	7.88	7.88
	PEST 10		4,4'DDT CLP1	1.196	1.196	1.171	1.171	7.64	7.64
			Gamma BHC CLP2	1.369	1.369	1.420	1.420	7.46	7.46
			4,4'-DDT CLP2	0.993	0.993	0.974	0.974	8.49	8.49

LDC #: 46420 C3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC X HPLC _____

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 5.0ug/L	Recalculated 5.0 ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	8/6/2019	Gamma BHC CLP1	1.334	1.334	1.294	1.294	8.85	8.85
	PEST 20		4,4'DDT CLP1	0.991	0.991	0.994	0.994	6.61	6.61
			Gamma BHC CLP2	1.383	1.383	1.396	1.396	10.14	10.14
			4,4'-DDT CLP2	1.083	1.083	1.082	1.082	7.88	7.88

LDC #: 46420C3a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(ICAL)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV PEST 10 2210	9/17/19	Gamma BHC CVP1	50	44.169	44.169	11.7	11.7
			4,4'-DDT CVP1		42.302	42.302	15.4	15.4
			CVP2		45.47	45.47	9.1	9.1
					48.298	48.298	3.4	3.4
2	CCV PEST 10 0359	9/18/19			46.293	46.293	7.4	7.4
					46.985	46.985	6	6
					50.975	50.975	2	2
					52.341	52.341	4.7	4.7
3	CCV PEST 20 0953	9/18/19			50.052	50.052	0.1	0.1
					48.676	48.676	2.6	2.6
					49.306	49.306	1.4	1.4
					47.047	47.047	5.9	5.9
4	CCV PEST 20 1412	9/18/19			52.826	52.826	5.7	5.7
					48.736	48.736	2.5	2.5
					52.309	52.309	4.6	4.6
					43.767	43.767	12.5	12.5

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 464203a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer:

METHOD: GC Pesticides (EPA SW 846 Method 8081)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene	cvp1	50.0	38.856	78	78	0
Tetrachloro-m-xylene	cvp2		39.508	79	79	
Decachlorobiphenyl	cvp1		28.250	57	57	
Decachlorobiphenyl	cvp2		46.907	94	94	

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Notes:

LDC #: 46420C3a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicate Results Verification

Reviewer: KP
2nd Reviewer: [illegible]

METHOD: GC Pesticides (EPA SW 846 Method 8081A)

The percent recoveries (%R) and Relative Percent difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100* (SSC-SC)/SA

Where: SSC = Spiked sample concentration
SA = Spike added
SC = Concentration

RPD = I LCS - LCSD I * 2/(LCS + LCSD)

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: WG1284053-2/3

Compound	Spike Added (ug/kg)		Spiked Sample Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
gamma-BHC	31.4	32.4	35.8	28.7	114	114	88	88	26	26
4,4'-DDT	↓	↓	32.5	31.0	103	103	96	96	7	7

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420C3a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: EJ
2nd reviewer: [signature]

METHOD: GC Pesticides (EPA SW 846 Method 8081A)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. 3 , 4,4'-DDT

Conc. = $\frac{8451071.5\ (25.0)\ (10)}{196.5 \times 10^6\ (0.974)(15.2)(0.90)}$

= 8.07 ug/kg

10/15.2 %s >=90

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Qualification
	3	4,4'-DDT	8.03	8.07	

LDC #: 46420C3b
SDG #: L1941584
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 11/21/19
Page: 1 of 1
Reviewer: EF
2nd Reviewer: [illegible]

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	A / A	%D RSD/ICV ≤ 20
III.	Continuing calibration	A	CV ≤ 20
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes 13	A	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	A	LCS ID
IX.	Field duplicates	ND	D = 13 & 17
X.	Compound quantitation/RL/LOQ/LODs	A	Results < RL > MDL = Jdet
XI.	Target compound identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	WC-A-3 (0-5)	L1941584-01	Soil	09/11/19
2	WC-A-4 (0-6)	L1941584-02	Soil	09/11/19
3	WC-B-4 (0-5)	L1941584-03	Soil	09/11/19
4	B-4 (4-5)	L1941584-04	Soil	09/11/19
5	B-4 (7-8)	L1941584-05	Soil	09/11/19
6	WC-B-3 (0-5)	L1941584-06	Soil	09/11/19
7	B-9 (3-4)	L1941584-07	Soil	09/11/19
8	B-9 (6-7)	L1941584-08	Soil	09/11/19
9	B-14 (8-9)	L1941584-09	Soil	09/11/19
10	B-14 (2-3)	L1941584-10	Soil	09/11/19
11	B-13 (3-4)	L1941584-11	Soil	09/11/19
12	B-13 (6-7)	L1941584-12	Soil	09/11/19
13	B-8 (4-5)	L1941584-13	Soil	09/11/19
14	B-8 (5-6)	L1941584-14	Soil	09/11/19
15	B-3 (4-5)	L1941584-15	Soil	09/11/19
16	B-3 (6-7)	L1941584-16	Soil	09/11/19
17	DUP	L1941584-17	Soil	09/11/19

- (1) WG 1284066-1 Blank - (2) WG 1284265-1 Blank

LDC #: 46420c3b

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: ✓ GC ___ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
X. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

LDC #: 16420C36

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC X HPLC

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 1000ppb	Recalculated 1000ppb	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	8/26/2019	AR1260-1 CLP1	0.059	0.05941	0.056	0.05553	13.71	13.71
	PEST 13								
			AR1260-1 CLP2	0.054	0.05402	0.050	0.04990	13.01	13.01

LDC #: 46420c3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC X HPLC

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 1000ppb	Recalculated 1000ppb	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	4/26/2019	AR1260-1 CLP1	0.056	0.05633	0.055	0.05545	13.47	13.47
	PEST 21								
			AR1260-1 CLP2	0.050	0.04997	0.050	0.04995	10.76	10.76

LDC #: 464/20C36

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC _X_____ HPLC _____

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 1000ppb	Recalculated 1000ppb	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	4/9/2019	AR1260-1 CLP1	0.049	0.04927	0.050	0.050450	9.97	9.97
	ICAL15673								
			AR1260-1 CLP2	0.048	0.048	0.049	0.048770	5.96	5.96

LDC #: 46420c36

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC _X_____ HPLC _____

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 1000ppb	Recalculated 1000ppb	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	7/28/2019	AR1260-1 CLP1	0.060	0.06042	0.060	0.05994	14.99	14.99
	PEST 7								
			AR1260-1 CLP2	0.053	0.05297	0.054	0.05447	14.48	14.48

LDC #: 46420c36

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(ICAL)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV PEST13 1002	9/15/19	PCB 1260-1 CVP1	2500	2295.755	2295.755	8.2	8.2
			CVP2	↓	2111.858	2111.858	15.5	15.5
2	CCV PEST 7 1002	9/15/19	↓	↓	2169.434	2169.434	13.2	13.2
					2262.193	2262.193	9.5	9.5
3	CCV PEST2 1331	9/16/19	↓	↓	2331.771	2331.771	6.7	6.7
					2412.069	2412.069	3.5	3.5
4	CCV PEST16 0104	9/17/19	↓	↓	2355.083	2355.083	5.8	5.8
					2130.59	2130.59	14.8	14.8

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420C3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer: Q

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(ICAL)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV PEST 1234	9/17/19	PCB 1260-1 cal	2500.0	2347.138	2347.138	6.1	6.1
			1260-1 cal2	↓	2462.803	2462.803	1.5	1.5
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420c36

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: FT
2nd reviewer:

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
TCMX	CVP1	500.0	435.598	87	87	0
TCMX	CVP2	↓	429.622	86	86	↓
DCB	CVP1	↓	233.668	45	45	↓
DCB	CVP2	↓	247.382	49	49	↓

Sample ID: ___

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 46420C36

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: ✓ GC ___HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration; LCS = Laboratory Control Sample; SA = Spike added; LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: WG1284066-2|3

Compound	Spike Added (ug/Kg)		Spike Sample Concentration (ug/Kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)										
Diesel (8015)										
Benzene (8021B)										
Methane (RSK-175)										
2,4-D (8151)										
Dinoseb (8151)										
Naphthalene (8310)										
Anthracene (8310)										
HMX (8330)										
2,4,6-Trinitrotoluene (8330)										
Phorate (8141A)										
Malathion (8141A)										
Formaldehyde (8315A)										
Aroclor 1260	203	203	87.2	93.5	43	43	46	46	7	7
			87.235	93.48						

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

5/15.37

LDC #: 46420C36

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: EA
2nd reviewer: [illegible]

METHOD: GC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #4 , Aroclor 1260

Conc. = $\frac{159.003\ (5)\ (1)}{(15.86)\ (5)\ (0.92}$

= 10.897 ug/kg

5/15.86 % S = 92

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Qualification
	#4	Aroclor 1260	11.0	10.897	
	1260-1 = $\frac{2278492\ (250.0)}{465.0 \times 10^6\ (0.05994)}$		= 204.33		
		1260-1 = 204.33			
		-3 = 148.301			
		-4 = 124.377			
		159.003			

LDC #: 46420C96 **VALIDATION COMPLETENESS WORKSHEET** Date: 11/26/19
SDG #: L1941584 Category B Page: 1 of 1
Laboratory: Alpha Analytical, Inc. Reviewer:
2nd Reviewer:

METHOD: LC/MS Perfluoroalkyl & Polyfluoroalkyl Substances (EPA Method 537M)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	LC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	r^2 Individual ≤30% ICV ≤30%
IV.	Continuing calibration/ISC	SW	CCV ≤30
V.	Laboratory Blanks	SW	
VI.	Field blanks	N	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	SW	LCS ID
IX.	Field duplicates	~~N~~ N	
X.	Labeled Compounds	A	~~recs~~ HA
VI.	Compound quantitation RL/LOQ/LODs	A	Results < RL > MDL = Jdet
XII.	Target compound identification	A	
XIII.	System performance	A	
XIV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	B-4 (4-5)	L1941584-04	Soil	09/11/19
2	B-4 (7-8)	L1941584-05	Soil	09/11/19
3	B-9 (3-4)	L1941584-07	Soil	09/11/19
4	B-9 (6-7)	L1941584-08	Soil	09/11/19
5	B-14 (8-9)	L1941584-09	Soil	09/11/19
6	B-14 (2-3)	L1941584-10	Soil	09/11/19
7	DUP	L1941584-17	Soil	09/11/19
8				
9				
10				

Notes:

	WG1288952 - 1Blank						

LDC #: 46420e96

VALIDATION FINDINGS CHECKLIST

Reviewer: [illegible]
2nd Reviewer: [illegible]

Method: LCMS (EPA Method 537M)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. LC/MS Instrument performance check				
Were the instrument performance reviewed and found to be within the validation criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤30%?	•		✓	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit criteria of ≥ 0.990?	✓			
Were all analytes within 70-130% or percent differences (%D) ≤30% of their true value for each calibration standard except the lowest point (50-150%)?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) of the continuing calibration ≤ 30%?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?	✓			
VI. Field blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzedin this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch in this SDG?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		

LDC #: 46420096

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Validation Area	Yes	No	NA	Findings/Comments
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?.			✓	
XI. Labeled Compounds				
Were labeled compound percent recoveries (%R) within the QC limits?	✓			
XII. Compound quantitation				
Did the laboratory reporting limits (RL) meet the QAPP RLs?	✓			
Did reported results include both branched and linear isomers?	✓			
Were the correct ion transition, labeled compound and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Was m/z 499 to m/z 80 transition used as the quantitation transition for PFOS?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Perfluorinated Alkyl Acids (EPA Method 537M)

Analyte	Acronym	CAS RN
A. Perfluorobutanoic acid	PFBA	375-22-4
B. Perfluorobutanesulfonic acid	PFBS	375-73-5
C. Perfluorodecanoic acid	PFDA	335-76-2
D. Perfluorodecanesulfonic acid	PFDS	335-77-3
E. Perfluorododecanoic acid	PFDoA	307-55-1
F. Perfluoroheptanoic acid	PFHpA	375-85-9
G. Perfluoroheptanesulfonic acid	PFHpS	375-92-8
H. Perfluorohexanoic acid	PFHxA	307-24-4
I. Perfluorohexanesulfonic acid	PFHxS	355-46-4
J. Perfluorononanoic acid	PFNA	375-95-1
K. Perfluorooctanoic acid	PFOA	335-67-1
L. Perfluorooctanesulfonic acid	PFOS	1763-23-1
M. Perfluoropentanoic acid	PFPeA	2706-90-3
N. Perfluorotetradecanoic acid	PFTA	376-06-7
O. Perfluorotridecanoic acid	PFTrDA	72629-94-8
P. Perfluoroundecanoic acid	PFUnA	2058-94-8
Q. Perfluorooctanesulfonamide	FOSA	754-91-6
R. N-Methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9
S. N-Ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6
T. 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2FTS)	6:2FTS	27619-97-2
U. 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2FTS)	8:2 FTS	39108-34-4

LDC #: 46420C96

VALIDATION FINDINGS WORKSHEET
Continuing Calibration/Instrument Sensitivity Check

Page: 1 of 1
Reviewer: EJ
2nd Reviewer: C

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration analyzed prior to sample analysis, after every 10 samples and at the end of the analytical sequence?
Y N N/A Were all continuing calibration percent differences (%D) ≤30 %?
Y N N/A Were all instrument sensitivity check (ISC) percent differences (%D) ≤30 %?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤30.0%)	Finding RRF (Limit:)	Associated Samples	Qualifications
	9/30/19 2351	CCV (LOW)	U	57.3		WG1288952-1 Blank	J/UJ/P

LDC #: 464/20096

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: FJ
2nd Reviewer:

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all samples associated with a given method blank?
Y N N/A Was a method blank performed for each matrix and whenever a sample extraction procedure was performed?
Y N N/A Was a method blank performed with each extraction batch?
Y N N/A Were any contaminants found in the method blanks? If yes, please see findings below.

Blank extraction date: 9/26/19 **Blank analysis date:** 10/01/19

Conc. units: ug/kg **Associated samples:** All

Compound	Blank ID	Sample Identification								
	WG1288952	-1Blank	1	3	4	5	6	7		
A	0.155		-	-	-	-	-	-		
H	0.056		0.065/1.04U	0.058/1.05U	0.057/1.02U	0.057/0.96U	0.015/1.02U	0.060/1.04U		

Blank extraction date: _____ **Blank analysis date:** _____ **Associated samples:** _____

Conc. units: _____

Compound	Blank ID	Sample Identification								

ALL CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC #: 46420c96

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: EV
2nd Reviewer: [illegible]

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	WG1288952-2/3	Q	( )	218 (67-137)	( )	All	J det/P (MD)
		Q	( )	( )	51 (30)	↓	J det/P
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

Privileged and Confidential

LDC#: 46420c96

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: LC/MS PFCs (EPA Method 537Mod)

Calibration Date	Instrument	Compound	Standard	(Y) Area ratio	(X) Conc ratio	CF
9/12/2019	LCMS02	L-PFOS	0.365	0.03406	0.037	0.933
			0.730	0.07316	0.073	1.002
			3.650	0.33577	0.365	0.920
			7.300	0.59558	0.730	0.816
			36.500	3.13036	3.650	0.858
			91.300	7.66599	9.130	0.840
			109.500	9.52611	10.950	0.870
			182.500	18.03433	18.250	0.988
					Ave	0.891

Regression Output	*Calculated*	*Reported*
Constant	*0.000000*	*0.000000*
Std Err of Y Est		
R Squared	*0.999707*	*0.994553*
Degrees of Freedom		
X Coefficient(s)	*0.85802581*	*0.912363*
Std Err of Coef.		
Correlation Coefficient	*0.999854*	
Coefficient of Determination (r^2)	*0.999707*	*0.994553*

LDC#: 46420c96

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: _____

METHOD: LC/MS PFCs (EPA Method 537Mod)

Calibration Date	Instrument	Compound	Standard	(Y) Area ratio	(X) Conc ratio	CF
9/12/2019	LCMS02	L-PFOA	0.500	0.04462	0.050	0.892
			1.000	0.08932	0.100	0.893
			5.000	0.43706	0.500	0.874
			10.000	0.85671	1.000	0.857
			50.000	4.22303	5.000	0.845
			125.000	9.59165	12.500	0.767
			150.000	12.59993	15.000	0.840
			250.000	21.88533	25.000	0.875
					Ave	0.853

Regression Output	*Calculated*	*Reported*
Constant	*0.000000*	*0.000000*
Std Err of Y Est		
R Squared	*0.998079*	*0.997563*
Degrees of Freedom		
X Coefficient(s)	*0.81053498*	*0.840704*
Std Err of Coef.		
Correlation Coefficient	*0.999039*	
Coefficient of Determination (r^2)	*0.998079*	*0.997563*

LDC #: 46420c96

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT
2nd Reviewer:

METHOD: LCMS PFAS (EPA Method 537M)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Actual Amount	Reported Amount (CC)	Recalculated Amount (CC)	Reported %R	Recalculated %R
1	ccv	9/30/19	PFOA (M8PFOA)	10.0	10.188	10.188	101.9	101.9
	I10414		L-PFOS (M8PFOS)	7.30	7.346	7.346	100.6	100.6
	MED							
	2016							
2	ccv	9/30/19	PFOA (M8PFOA)	0.5	0.521	0.521	104.3	104.2
	I10427		L-PFOS (M8PFOS)	0.365	0.293	0.293	80.4	80.3
	2351							
	LOW							
3			PFOA (M8PFOA)					
			L-PFOS (M8PFOS)					

Comments: Refer to Routine Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420c96

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: EV
2nd Reviewer: [illegible]

METHOD: LC/MS PFAS (EPA Method 537M)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: WG1288952-2/3

Compound	Spike Added (ng/kg)		Spike Concentration (ng/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
PFOA	5	5	5.89	5.64	118	118	113	113	4	4
PFOS	4.63	4.63	5.08	4.90	110	110	106	106	4	4

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

Privileged and Confidential

LDC #: 46420C96

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: FR
2nd reviewer:

METHOD: LC/MS PFAS (EPA Method 537M)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #1 , L PFOS

Conc. = $\frac{(1265/4087)(10)}{0.912363}$ =

1.9564 ng/ml

%S = 91.5

#	Sample ID	Compound	Reported Concentration (ug/Kg)	Calculated Concentration (ng/kg)	Qualification
	#1	PFOS	1.46	1.45705	
	1				
	L PFOS =	1.9564			
+	Br PFOS =	0.850			
	Total =	2.8064			
	Final conc. =	$\frac{(2.8064)(2)}{(4.21)(0.915)}$ = 1.45705			

Privileged and Confidential

Site: 33 Centre Avenue
Laboratory: Alpha Analytical, Inc.
Report No.: L1941584
Reviewer: An Le and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date: December 2, 2019

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
WC-A-3 (0-5)	L1941584-01	Metals, Total Cyanide
WC-A-4 (0-6)	L1941584-02	Metals, Total Cyanide
WC-B-4 (0-5)	L1941584-03	Metals, Total Cyanide
B-4 (4-5)	L1941584-04	Metals, Total Cyanide
B-4 (7-8)	L1941584-05	Metals, Total Cyanide
WC-B-3 (0-5)	L1941584-06	Metals, Total Cyanide
B-9 (3-4)	L1941584-07	Metals, Total Cyanide
B-9 (6-7)	L1941584-08	Metals, Total Cyanide
B-14 (8-9)	L1941584-09	Metals, Total Cyanide
B-14 (2-3)	L1941584-10	Metals, Total Cyanide
B-13 (3-4)	L1941584-11	Metals, Total Cyanide
B-13 (6-7)	L1941584-12	Metals, Total Cyanide
B-8 (4-5)	L1941584-13	Metals, Total Cyanide
B-8 (5-6)	L1941584-14	Metals, Total Cyanide
B-3 (4-5)	L1941584-15	Metals, Total Cyanide
B-3 (6-7)	L1941584-16	Metals, Total Cyanide
DUP	L1941584-17	Metals, Total Cyanide
WC-A-3 (0-5)MS	L1941584-01MS	Metals, Total Cyanide
WC-A-3 (0-5)MSD	L1941584-01MSD	Total Cyanide
WC-A-3 (0-5)DUP	L1941584-01DUP	Metals

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: B-8 (4-5) and DUP

The above-listed soil samples were collected on September 11, 2019 and were analyzed for metals by SW-846 methods 6010D/7471B and total cyanide by SW-846 methods 9010C/9012B. The data validation was performed in accordance with USEPA Region 2 *Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program,* SOP HW-3a/c, Revision 1 (September 2016) and the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review,* EPA 540-R-2017-001 (January 2017), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)/Standard Reference Material (SRM) Results
- Serial Dilution Results
- Moisture Content
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met.

CRQL Standard Recoveries

Metals

All criteria were met.

Blank Results

Metals

Analytes were detected below the reporting limits in the laboratory blank samples. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Iron	0.372 mg/Kg	RL	WC-A-3 (0-5) WC-A-4 (0-6) WC-B-4 (0-5) B-4 (4-5) B-4 (7-8) WC-B-3 (0-5) B-9 (3-4) B-9 (6-7) B-14 (8-9) B-14 (2-3) B-13 (3-4) B-13 (6-7) B-8 (4-5) B-8 (5-6) B-3 (4-5) B-3 (6-7) DUP
ICB/CCB	Arsenic Beryllium Iron	0.00220 mg/L 0.00050 mg/L 0.0112 mg/L	0.110 mg/Kg 0.025 mg/Kg 0.560 mg/Kg	B-13 (6-7) B-8 (4-5) B-8 (5-6) B-3 (4-5) B-3 (6-7) DUP
ICB/CCB	Antimony Arsenic Beryllium	0.00420 mg/L 0.00240 mg/L 0.000400 mg/L	0.210 mg/Kg 0.110 mg/Kg 0.020 mg/Kg	WC-A-3 (0-5) WC-A-4 (0-6) WC-B-4 (0-5) B-4 (4-5) B-4 (7-8) WC-B-3 (0-5) B-9 (3-4) B-9 (6-7) B-14 (8-9) B-14 (2-3) B-13 (3-4)
ICB/CCB	Iron	0.0122 mg/L	0.6100 mg/Kg	WC-A-3 (0-5) WC-A-4 (0-6) WC-B-4 (0-5)
ICB/CCB	Iron	0.0158 mg/L	0.7900 mg/Kg	B-4 (4-5) B-4 (7-8) WC-B-3 (0-5) B-9 (3-4) B-9 (6-7) B-14 (8-9) B-14 (2-3) B-13 (3-4)

Blank Actions for analytes detected below the reporting limit(RL).
If the sample result is < RL, report the result as nondetect (U) at the RL.
If the sample result is > RL or nondetect, no action is required.
Blank Actions for analytes detected above the reporting limit or RL.
If the sample result is < RL and <action level; report the result as nondetect (U) at the RL.
If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.
If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
B-13 (6-7)	Beryllium	0.087 mg/Kg	0.433U mg/Kg
B-8 (4-5)	Arsenic Beryllium	0.676 mg/Kg 0.0430 mg/Kg	0.856U mg/Kg 0.428U mg/Kg
B-8 (5-6)	Beryllium	0.170 mg/Kg	0.424U mg/Kg
B-3 (4-5)	Beryllium	0.047 mg/Kg	0.393U mg/Kg
B-3 (6-7)	Beryllium	0.099 mg/Kg	0.449U mg/Kg
DUP	Beryllium	0.152 mg/Kg	0.023U mg/Kg
WC-A-3 (0-5)	Beryllium	0.205 mg/Kg	0.467U mg/Kg
WC-A-4 (0-6)	Antimony Beryllium	3.63 mg/Kg 0.176 mg/Kg	4.40U mg/Kg 0.440U mg/Kg
WC-B-4 (0-5)	Beryllium	0.120 mg/Kg	0.429U mg/Kg
B-4 (4-5)	Beryllium	0.052 mg/Kg	0.434U mg/Kg
WC-B-3 (0-5)	Beryllium	0.071 mg/Kg	0.442U mg/Kg
B-9 (3-4)	Beryllium	0.174 mg/Kg	0.436U mg/Kg
B-9 (6-7)	Arsenic Beryllium	0.501 mg/Kg 0.153 mg/Kg	0.849U mg/Kg 0.424U mg/Kg
B-14 (8-9)	Beryllium	0.122 mg/Kg	0.409U mg/Kg
B-14 (2-3)	Beryllium	0.150 mg/Kg	0.0396U mg/Kg
B-13 (3-4)	Beryllium	0.109 mg/Kg	0.420U mg/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Total Cyanide

Contamination was not detected in the laboratory blank samples.

A field blank was not associated with this sample set. Validation action was not required on this basis.

ICP ICS Results

Metals

Analytes were within control limits in the ICSA and ISCAB analyses.

MS/MSD Results

Metals

MS analyses were performed on sample WC-A-3 (0-5) for metals analyses. The following table lists the MS percent recoveries (%R) outside of control limits in the metals analyses and the resulting validation actions.

MS ID	Analyte	MS %R (Limits)	Affected Sample	Validation Action
WC-A-3 (0-5)MS	Barium Chromium Zinc Mercury	57 (75-125) 74 (75-125) 25 (75-125) 63 (80-120)	WC-A-3 (0-5) WC-A-4 (0-6) WC-B-4 (0-5) B-4 (4-5) B-4 (7-8) WC-B-3 (0-5) B-9 (3-4) B-9 (6-7) B-14 (8-9) B-14 (2-3) B-13 (3-4) B-13 (6-7) B-8 (4-5) B-8 (5-6) B-3 (4-5) B-3 (6-7) DUP	J detects J detects J detects J detects
WC-A-3 (0-5)MS	Potassium	126 (75-125)	WC-A-3 (0-5) WC-A-4 (0-6) WC-B-4 (0-5) B-4 (4-5) B-4 (7-8) WC-B-3 (0-5) B-9 (3-4) B-9 (6-7) B-14 (8-9) B-14 (2-3) B-13 (3-4) B-13 (6-7) B-8 (4-5) B-8 (5-6) B-3 (4-5) B-3 (6-7) DUP	J detects

The barium, chromium, zinc, and mercury results may be biased low due to low MS percent recoveries. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

The potassium results may be biased high due to high MS percent recovery. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

Total Cyanide

MS/MSD analyses were performed on sample WC-A-3 (0-5) for total cyanide analysis. All criteria were met.

Laboratory Duplicate Results

Metals

Laboratory duplicates were performed on sample WC-A-3 (0-5) for metals analyses. The following table lists the duplicate relative percent differences (RPD) outside of control limits in the metals analyses and the resulting validation actions.

Dup ID	Analyte	RPD (Limits)	Affected Sample	Validation Action
WC-A-3 (0-5)DUP	Barium	40 (≤20)	WC-A-3 (0-5)	J detects/UJ nondetects
	Calcium	70 (≤20)	WC-A-4 (0-6)	
	Magnesium	67 (≤20)	WC-B-4 (0-5)	
	Potassium	21 (≤20)	B-4 (4-5)	
	Zinc	28 (≤20)	B-4 (7-8)	
	Mercury	22 (≤20)	WC-B-3 (0-5)	
			B-9 (3-4)	
			B-9 (6-7)	
			B-14 (8-9)	
			B-14 (2-3)	
			B-13 (3-4)	
			B-13 (6-7)	
			B-8 (4-5)	
			B-8 (5-6)	
			B-3 (4-5)	
			B-3 (6-7)	
			DUP	

The barium, calcium, magnesium, potassium, zinc, and mercury results were estimated due to duplicate relative percent difference exceedance. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Total Cyanide

Laboratory duplicates were not associated with this sample set. Validation action was not required on this basis.

Field Duplicate Results

Metals

Samples B-8 (4-5) and DUP were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations.

Analyte	Concentration (mg/Kg)		RPD
	B-8 (4-5)	DUP	
Aluminum	10800	11000	2
Arsenic	0.676	2.55	116
Barium	166	150	10
Beryllium	0.043	0.152	112
Calcium	17500	13700	24
Chromium	27.4	25.2	8
Cobalt	11.2	10.2	9
Copper	42.1	33.4	23
Iron	15600	20000	25
Lead	2.11	404	198
Magnesium	5280	5340	1
Manganese	203	300	39
Mercury	0.146	0.145	1
Nickel	20.2	15.9	24
Potassium	5960	5170	14
Sodium	657	410	46
Vanadium	39.5	36.9	7
Zinc	39.2	64.7	49

Total Cyanide

Samples B-8 (4-5) and DUP were submitted as the field duplicate pair with this sample group. There were no detected compounds in the field duplicate pair for total cyanide.

LCS/SRM Results

Metals

All criteria were met.

Total Cyanide

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the total cyanide analysis and the resulting validation actions.

LCS ID	Analyte	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
LCS/LCSD	Cyanide	52 (80-120)	60 (80-120)	WC-A-3 (0-5) WC-A-4 (0-6) WC-B-4 (0-5) B-4 (4-5) B-4 (7-8) WC-B-3 (0-5) B-9 (3-4) B-9 (6-7) B-14 (8-9) B-14 (2-3)	J detects/UJ nondetects

LCS ID	Analyte	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
LCS/LCSD	Cyanide	51 (80-120)	61 (80-120)	B-13 (3-4) B-13 (6-7) B-8 (4-5) B-8 (5-6) B-3 (4-5) B-3 (6-7)	UJ nondetects
LCS/LCSD	Cyanide	54 (80-120)	72 (80-120)	DUP	UJ nondetects

- Within control limits

The cyanide results may be biased low due to low LCS/LCSD percent recoveries. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The following table lists the LCS/LCSD relative percent differences (RPD) outside of control limits in the total cyanide analysis and the resulting validation actions.

LCS ID	Analyte	RPD (Limits)	Affected Sample	Validation Action
LCS/LCSD	Cyanide	44 (≤35)	DUP	UJ nondetects

The cyanide result was estimated due to LCS/LCSD relative percent difference exceedance. The bias cannot be determined. The result can be used for project objectives as a nondetect with estimated quantitation limit (UJ) which may have a minor impact on the data usability.

Serial Dilution Results

Metals

A serial dilution analysis was performed on sample B-2 (3-4) for metals analyses. The following table lists the serial dilution percent differences (%D) outside of control limits in the metals analyses and the resulting validation actions.

Diluted Sample	Analyte	%D (Limits)	Associated Samples	Validation Actions
B-2 (3-4)	Iron	11 (≤10)	B-2 (3-4)	J detects
	Magnesium	13 (≤10)	B-2 (6-7)	J detects
	Manganese	11 (≤10)	B-7 (1-2)	J detects
			B-16 (3-4)	
			B-16 (7-8)	
			B-1 (2-3)	
			B-1 (5-6)	
			B-1 (10-11)	
			B-11 (6-7)	
			B-11 (0-1)	
			B-6 (10-11)	
			B-6 (7-8)	
			B-6 (1-2)	
			B-10 (2-3)	
			B-10 (7-8)	
			B-10 (11-12)	
			B-15 (3-4)	
			B-15 (6-7)	

The iron, magnesium, and manganese results were estimated due to serial dilution percent difference exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

Moisture Content

All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the metals and total cyanide analyses. These results were estimated (J) by the laboratory.

Due to high target analyte levels or sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	Metals analyses Reported
WC-A-3 (0-5) WC-A-4 (0-6) WC-B-4 (0-5) B-4 (4-5) B-4 (7-8) WC-B-3 (0-5) B-9 (3-4) B-9 (6-7) B-14 (8-9) B-14 (2-3) B-13 (3-4) B-13 (6-7) B-8 (4-5) B-8 (5-6) B-3 (4-5) B-3 (6-7) DUP	2-fold dilution due to sample matrix for 6010D metals

Dilutions were not required for total cyanide analysis.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 46420C4b
SDG #: L1941584
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 11/25/19
Page: 1 of 2
Reviewer: ATV
2nd Reviewer:

METHOD: Metals (EPA SW 846 Method 6010D/7471B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	A	
IV.	Laboratory Blanks	SW	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	SW	18
VII.	Duplicate sample analysis	SW	19
VIII.	Serial Dilution	SW	
IX.	Laboratory control samples	A	LCS/SRM
X.	Field Duplicates	SW	(17, 13)
XI.	Sample Result Verification	A	MDL < samples < RL, J det/A
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	WC-A-3 (0-5) (6010D 2x due to matrix interferences)	L1941584-01	Soil	09/11/19
2	WC-A-4 (0-6)	L1941584-02	Soil	09/11/19
3	WC-B-4 (0-5)	L1941584-03	Soil	09/11/19
4	B-4 (4-5)	L1941584-04	Soil	09/11/19
5	B-4 (7-8)	L1941584-05	Soil	09/11/19
6	WC-B-3 (0-5)	L1941584-06	Soil	09/11/19
7	B-9 (3-4)	L1941584-07	Soil	09/11/19
8	B-9 (6-7)	L1941584-08	Soil	09/11/19
9	B-14 (8-9)	L1941584-09	Soil	09/11/19
10	B-14 (2-3)	L1941584-10	Soil	09/11/19
11	B-13 (3-4)	L1941584-11	Soil	09/11/19
12	B-13 (6-7)	L1941584-12	Soil	09/11/19
13	B-8 (4-5)	L1941584-13	Soil	09/11/19
14	B-8 (5-6)	L1941584-14	Soil	09/11/19
15	B-3 (4-5)	L1941584-15	Soil	09/11/19
16	B-3 (6-7)	L1941584-16	Soil	09/11/19
17	DUP	L1941584-17	Soil	09/11/19

LDC #: 46420C4b
SDG #: L1941584
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 11/25/19

Reviewer: ATV
2nd Reviewer:

METHOD: Metals (EPA SW 846 Method 6010D/7471B)

	Client ID	Lab ID	Matrix	Date
18	WC-A-3 (0-5)MS	L1941584-01MS	Soil	09/11/19
19	WC-A-3 (0-5)DUP	L1941584-01DUP	Soil	09/11/19
20				
21				
22				
23				
24				

Notes:

Method: Metals (EPA SW 846 Method 6010/6020/7000)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. ICP/MS Tune				
Were all isotopes in the tuning solution mass resolution within 0.1 amu?			✓	
Were %RSD of isotopes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial and continuing calibration verification %Rs within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low standard checks within 70-130%			✓	
Were all initial calibration correlation coefficients within limits as specified by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.	✓			
V. ICP Interference Check Sample				
Were ICP interference check samples performed daily?	✓			
Were the AB solution percent recoveries (%R) with the 80-120% QC limits?	✓			
VI. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water.	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.		✓		
Were the MS/MSD or duplicate relative percent differences (RPD) ≤ 20% for waters and ≤ 35% for soil samples? A control limit of +/- RL(+/-2X RL for soil) was used for samples that were ≤ 5X the RL, including when only one of the duplicate sample values were ≤ 5X the RL.		✓		
VII. Laboratory control samples				
Was an LCS anaylzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% QC limits for water samples and laboratory established QC limits for soils?	✓			

Validation Area	Yes	No	NA	Findings/Comments
VIII. Internal Standards (EPA SW 846 Method 6020/EPA 200.8)				
Were all the percent recoveries (%R) within the 30-120% (6020)/60-125% (200.8) of the intensity of the internal standard in the associated initial calibration?			✓	
If the %Rs were outside the criteria, was a reanalysis performed?			✓	
IX. ICP Serial Dilution				
Was an ICP serial dilution analyzed if analyte concentrations were > 50X the MDL (ICP)/>100X the MDL(ICP/MS)?	✓			
Were all percent differences (%Ds) < 10%?		✓		
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.		✓		
X. Sample Result Verification				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XII. Field duplicates				
Field duplicate pairs were identified in this SDG.	✓			
Target analytes were detected in the field duplicates.	✓			
XIII. Field blanks				
Field blanks were identified in this SDG.		✓		
Target analytes were detected in the field blanks.			✓	

LDC #: 46420C4b

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Page: 1 of 1
Reviewer: AK
2nd reviewer:

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1-17	S	(Al) (Sb) (As) (Ba) (Be) (Cd) (Ca) (Cr) (Co) (Cu) (Fe) (Pb) (Mg) (Mn) (Hg) (Ni) (K) (Se) (Ag) (Na) (Tl) (V) (Zn) Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
QC		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
18,19	S	(Al) (Sb) (As) (Ba) (Be) (Cd) (Ca) (Cr) (Co) (Cu) (Fe) (Pb) (Mg) (Mn) (Hg) (Ni) (K) (Se) (Ag) (Na) (Tl) (V) (Zn) Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
Analysis Method		
ICP		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
ICP-MS		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
GFAA		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___

Comments: Mercury by CVAA if performed

LDC #: 46420C4b

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace metals (EPA SW 864 Method 6010B/6020/7000) Soil preparation factor applied: NA
Sample Concentration units, unless otherwise noted: mg/kg Associated Samples: All

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Action Level								
Fe	0.372											

Sample Concentration units, unless otherwise noted: mg/kg Associated Samples: 12 to 17

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Action Level	12	13	14	15	16	17			
As			0.00220	0.110		0.676/0.856							
Be			0.00050	0.025	0.087/0.433	0.043/0.428	0.170/0.424	0.047/0.393	0.099/0.449	0.152/0.423			
Fe			0.0112	0.560									

Sample Concentration units, unless otherwise noted: mg/kg Associated Samples: 1 to 11

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Action Level	1	2	3	4	6	7	8	9	10
Sb			0.00420	0.210		3.63/4.40							
As			0.00240	0.120							0.501/0.849		
Be			0.000400	0.020	0.205/0.467	0.176/0.440	0.120/0.429	0.052/0.434	0.071/0.442	0.174/0.436	0.153/0.424	0.122/0.409	0.150/0.396

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Action Level	11								
Be			0.000400	0.020	0.109/0.420								

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace metals (EPA SW 864 Method 6010B/6020/7000) Soil preparation factor applied: NA
Sample Concentration units, unless otherwise noted: mg/kg Associated Samples: 1,2,3

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Action Level								
Fe			0.0122	0.6100								

Sample Concentration units, unless otherwise noted: mg/kg Associated Samples: 4 to 11

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Action Level								
Fe			0.0158	0.7900								

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".
Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 46420C4b

VALIDATION FINDINGS WORKSHEET
Matrix Spike

Reviewer: ATL
2nd Reviewer:

METHOD: Trace metals (EPA SW 846 Method 6010/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a matrix spike analyzed for each matrix in this SDG?

Y (N) N/A Were matrix spike percent recoveries (%R) within the control limits of ~~75-125~~ lab limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	MS ID	Matrix	Analyte	MS %Recovery	Associated Samples	Qualifications
	18	S	Ba	57 (75-125)	all	J/UJ/A (all detect)
			Cr	74 (75-125)	all	J/UJ/A (all detect)
			K	126 (75-125)	all	Jdet/A (all detect)
			Zn	25 (75-125)	all	J/UJ/A (all detect) PS=84%
			Hg	63 (80-120)	all	J/UJ/A (detect/non-detect)

Comments: 18: Al, Ca, Fe, Mg, Mn > 4X

LDC #: 46420C4b

VALIDATION FINDINGS WORKSHEET
Duplicate Analysis

Reviewer: ATL
2nd Reviewer:

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a duplicate sample analyzed for each matrix in this SDG?

Y (N) N/A Were all duplicate sample relative percent differences (RPD) ≤ 20% for water samples and ≤ ~~35~~ 20% for soil samples? If no, see qualifications below. A control limit of ±R.L. (±2X R.L. for soil) was used for sample values that were <5X the R.L., including the case when only one of the duplicate sample values was <5X R.L.. If field blanks were used for laboratory duplicates, note in the Overall Assessment.

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	Duplicate ID	Matrix	Analyte	RPD (Limits)	Difference (Limits)	Associated Samples	Qualifications
		19	S	Ba	40 (≤ 20%)		all	J/UJ/A (all detect)
				Ca	70 (≤ 20%)		all	J/UJ/A (all detect)
				Mg	67 (≤ 20%)		all	J/UJ/A (all detect)
				K	21 (≤ 20%)		all	J/UJ/A (all detect)
				Zn	28 (≤ 20%)		all	J/UJ/A (all detect)
				Hg	22 (≤ 20%)		all	J/UJ/A (detect/non-detect)

Comments:

LDC #: 46420C4b

VALIDATION FINDINGS WORKSHEET
ICP Serial Dilution

Reviewer: ATL
2nd Reviewer:

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A If analyte concentrations were > 50X the MDL (ICP) ,or >100X the MDL (ICP/MS), was a serial dilution analyzed?
Y (N) N/A Were ICP serial dilution percent differences (%D) ≤10%?
Y (N) N/A Is there evidence of negative interference? If yes, professional judgement will be used to qualify the data.

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Diluted Sample ID	Matrix	Analyte	%D (Limits)	Associated Samples	Qualifications
	1	S	Fe	11 (≤10%)	all	J/UJ/A (all detect)

Comments:

LDC#: 46420C4b

VALIDATION FINDINGS WORKSHEET

Field Duplicates

Reviewer: ATL

2nd Reviewer:

METHOD: Metals (EPA Method 6010/6020/7000/200.7/200.8)

Analyte	Concentration (mg/Kg)		RPD	
	13	17		
Aluminum	10800	11000	2	
Arsenic	0.676	2.55	116	
Barium	166	150	10	
Beryllium	0.043	0.152	112	
Calcium	17500	13700	24	
Chromium	27.4	25.2	8	
Cobalt	11.2	10.2	9	
Copper	42.1	33.4	23	
Iron	15600	20000	25	
Lead	2.11	404	198	
Magnesium	5280	5340	1	
Manganese	203	300	39	
Mercury	0.146	0.145	1	
Nickel	20.2	15.9	24	
Potassium	5960	5170	14	
Sodium	657	410	46	
Vanadium	39.5	36.9	7	
Zinc	39.2	64.7	49	

LDC #: 46420C4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATL
2nd Reviewer: —

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L) mg/L	True (ug/L) mg/L	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration) 9/17 e 19:44	Cr	0.5036	0.500	101	101	Y
	ICP/MS (Initial calibration)						
ICV	CVAA (Initial calibration) 9/17 e 11:34	Hg	0.003063	0.00300	102	102	Y
CCV	ICP (Continuing calibration) 9/17 e 18:25	Pb	0.5168	0.5000	103	103	Y
	ICP/MS (Continuing calibration)						
CCV	CVAA (Continuing calibration) 9/17 e 16:31	Hg	0.010488	0.0100	105	105	Y

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 46420C4b

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATV
2nd Reviewer: [illegible]

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / SSR / I (mg/kg) (units)	True / D / SDR (mg/kg) (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSA	ICP interference check 9/17 C 10:59	Ca	250.1 mg/L	250 mg/L	100	100	Y
LCS	Laboratory control sample 9/17 C 15:41	Hg	6.47	7.61	85	85	Y
18	Matrix spike 9/17 C 17:47	Zn	(SSR-SR) 11.43	44.6	25.6	25	Y
19	Duplicate 9/17 C 17:51	Mg	6163	12364	67	67	Y
1	Post digestion spike 9/17 C 18:09	Cr	16.1	18.7	86	85	Y
1	ICP serial dilution 9/17 C 17:56	Fe	20786	18626	11.6	11	Y

Comments: _____

LDC #: 46420C4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL
2nd reviewer:

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for K were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation: #5

$$152 \times 2 \times \left(\frac{50}{1.25}\right) \times \frac{1}{0.90} = 13511.111$$
$$\approx 13500.00$$

#	Sample ID	Analyte	Reported Concentration (mg/kg)	Calculated Concentration (mg/kg)	Acceptable (Y/N)
	1	Zn (9/17 @ 17:42)	129	130	Y
	2	Al (9/17 @ 18:00)	8320	8297	
	3	Na (9/17 @ 18:04)	618	620	
	4	As (9/17 @ 18:33)	2.13	212	
	5	K (9/17 @ 18:37)	13600	13500	
	6	Ba (9/17 @ 18:42)	682	680	
	7	Ni (9/17 @ 18:46)	14.4	14.3	
	8	Be (9/17 @ 18:51)	0.153	0.153	
	9	Mn (9/17 @ 18:55)	423	425	
	10	Ca (9/17 @ 19:00)	21100	21015	
	11	Cr (9/17 @ 19:04)	25.3	25.4	
	12	Mg (9/17 @ 19:53)	8810	8773	
	13	Co (9/17 @ 19:57)	11.2	11.1	
	14	Pb (9/17 @ 20:01)	5.16	5.14	
	15	V (9/17 @ 20:06)	8.94	8.96	
	16	Cu (9/17 @ 20:10)	54.3	54.0	
	17	Fe (9/17 @ 20:15)	20000	19900	
	1	Hg (9/17 @ 15:44)	0.404	0.409	Y
	2	Hg (9/17 @ 16:04)	1.00	0.99	
	4	Hg (9/17 @ 16:11)	0.302	0.303	

Note:

LDC #: 46420C4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: ATL
2nd reviewer: [signature]

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Hg were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation: #6

$$1.937 \times \left(\frac{50}{0.40}\right) \times \frac{1}{1000} \times \frac{1}{0.90} = 0.269028$$
$$= 0.269$$

#	Sample ID	Analyte	Reported Concentration (mg/kg)	Calculated Concentration (mg/kg)	Acceptable (Y/N)
	6	Hg (9/17 @ 16:17)	0.270	0.269	Y
	7	Hg (9/17 @ 16:21)	0.238	0.234	
	10	Hg (9/17 @ 16:37)	0.070	0.069	
	11	Hg (9/17 @ 16:41)	0.079	0.079	
	13	Hg (9/17 @ 16:47)	0.146	0.145	
	17	Hg (9/17 @ 17:00)	0.145	0.144	
	3,5,8,9,12,14→16	Hg	ND	ND	↓

Note:

LDC #: 46420C6 **VALIDATION COMPLETENESS WORKSHEET** Date: 11/25/19
SDG #: L1941584 Category B Page: 1 of 2
Laboratory: Alpha Analytical, Inc. Reviewer: ATL
2nd Reviewer:

METHOD: (Analyte) Total Cyanide (EPA SW846 Method 9010C/9012B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II	Initial calibration	A	
III.	Calibration verification	A	
IV	Laboratory Blanks	A	
V	Field blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	A	(18,19)
VII.	Duplicate sample analysis	N	
VIII.	Laboratory control samples	SW	LCS/LCSD
IX.	Field duplicates	ND	(17, 13)
X.	Sample result verification	A	MDL < samples < RL, Jdet/A.
XI	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	WC-A-3 (0-5)	L1941584-01	Soil	09/11/19
2	WC-A-4 (0-6)	L1941584-02	Soil	09/11/19
3	WC-B-4 (0-5)	L1941584-03	Soil	09/11/19
4	B-4 (4-5)	L1941584-04	Soil	09/11/19
5	B-4 (7-8)	L1941584-05	Soil	09/11/19
6	WC-B-3 (0-5)	L1941584-06	Soil	09/11/19
7	B-9 (3-4)	L1941584-07	Soil	09/11/19
8	B-9 (6-7)	L1941584-08	Soil	09/11/19
9	B-14 (8-9)	L1941584-09	Soil	09/11/19
10	B-14 (2-3)	L1941584-10	Soil	09/11/19
11	B-13 (3-4)	L1941584-11	Soil	09/11/19
12	B-13 (6-7)	L1941584-12	Soil	09/11/19
13	B-8 (4-5)	L1941584-13	Soil	09/11/19
14	B-8 (5-6)	L1941584-14	Soil	09/11/19
15	B-3 (4-5)	L1941584-15	Soil	09/11/19
16	B-3 (6-7)	L1941584-16	Soil	09/11/19
17	DUP	L1941584-17	Soil	09/11/19

LDC #: 46420C6 **VALIDATION COMPLETENESS WORKSHEET** Date: 11/25/19
SDG #: L1941584 Category B Page: 2 of 2
Laboratory: Alpha Analytical, Inc. Reviewer: ATV
2nd Reviewer:

METHOD: (Analyte) Total Cyanide (EPA SW846 Method 9010C/9012B)

	Client ID	Lab ID	Matrix	Date
18	B-4 (4-5)MS	L1941584-04MS	Soil	09/11/19
19	B-4 (4-5)MSD	L1941584-04MSD	Soil	09/11/19
20				
21				
22				
23				
24				

Notes:

LDC #: 46420C6

VALIDATION FINDINGS CHECKLIST

Reviewer: AIL
2nd Reviewer:

Method: Inorganics (EPA Method See cover)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
II. Calibration				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial calibration correlation coefficients ≥ 0.995?	✓			
Were all initial and continuing calibration verification %Rs within the 90-110% QC limits?	✓			
Were titrant checks performed as required? (Level IV only)			✓	
Were balance checks performed as required? (Level IV only)			✓	
III. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
IV. Matrix spike/Matrix spike duplicates and Duplicates				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water.	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.	✓			
Were the MS/MSD or duplicate relative percent differences (RPD) ≤ 20% for waters and ≤ 35% for soil samples? A control limit of ≤ CRDL(≤ 2X CRDL for soil) was used for samples that were ≤ 5X the CRDL, including when only one of the duplicate sample values were ≤ 5X the CRDL.	✓			
V. Laboratory control samples				
Was an LCS anaylzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% (85-115% for Method 300.0) QC limits?		✓		
VI. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	

Validation Area	Yes	No	NA	Findings/Comments
VII. Sample Result Verification				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
Were detection limits < RL?	✓			
VIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
IX. Field duplicates				
Field duplicate pairs were identified in this SDG.	✓			
Target analytes were detected in the field duplicates.				
X. Field blanks				
Field blanks were identified in this SDG.		✓		
Target analytes were detected in the field blanks.			✓	

LDC #: 46420C6

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: ATL
2nd Reviewer:

METHOD: Inorganics, Method see cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a laboratory control sample (LCS) analyzed for each matrix in this SDG?

Y (N) N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	LCS/LCSD ID	Matrix	Analyte	LCS %R (limits)	LCSD %R (limits)	RPD (limits)	Associated Samples	Qualifications
	LCS/LCSD	S	CN	52 (80-120)	60 (80-120)		1 to 10	J/UJ/P (detect/non-detect)
	LCS/LCSD		CN	51 (80-120)	61 (80-120)		11 to 16	J/UJ/P (all non-detect)
	LCS/LCSD		CN	54 (80-120)	72 (80-120)		17	J/UJ/P (all non-detect)
	LCS/LCSD		CN			44 (≤ 35)	17	J/UJ/P (all non-detect)

Comments:

LDC #: 46420C6

Validation Findings Worksheet
Initial and Continuing Calibration Calculation Verification

Reviewer: ATV
2nd Reviewer:

Method: Inorganics, Method See cover

The correlation coefficient (r) for the calibration of CN was recalculated.Calibration date: 9/13/19

An initial or continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found X 100 / True

Where, Found = concentration of each analyte measured in the analysis of the ICV or CCV solution

True = concentration of each analyte in the ICV or CCV source

Type of analysis	Analyte	Standard	Conc. (mg/l)	Area	Recalculated r or r^2	Reported r or r^2	Acceptable (Y/N)
Initial calibration	CN	s1	0	0.00208	*0.999992*	1.000000	Y
		s2	0.2	0.01067			
		s3	0.5	0.02326			
		s4	1	0.04305			
		s5	2	0.08611			
		s6	5	0.20446			
		s7	10	0.4066			
		s8	25	1.0192			
CCV (9/13) Calibration verification	CN	FOUND 0.1005	TRUE 0.1000		101	101	Y
CCV (9/13) Calibration verification	CN	0.1001	0.1000		100	100	Y
CCV (9/16) Calibration verification	CN	0.1010	0.1000		101	101	Y

Comments: Refer to Calibration Verification findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420C6

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATV
2nd Reviewer:

METHOD: Inorganics, Method See cover

Percent recoveries (%R) for a laboratory control sample and a matrix spike sample were recalculated using the following formula:

%R = Found x 100 / True Where, Found = concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

RPD = |S-D| x 100 / (S+D)/2 Where, S = Original sample concentration
D = Duplicate sample concentration

Sample ID	Type of Analysis	Element	Found / S (mg/kg) (units)	True / D (mg/kg) (units)	Recalculated %R / RPD	Reported %R / RPD	Acceptable (Y/N)
LCS	Laboratory control sample WG1283363-2	CN	78.20663	150	52	52	Y
18	Matrix spike sample	CN	(SSR-SR) 9.593	10	96	96	Y
18|19	Duplicate sample	CN	9.740	9.593	2	2	Y

Comments: _____

LDC #: 46420C6

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATV
2nd reviewer:

METHOD: Inorganics, Method See cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Have results been reported and calculated correctly?
Y N N/A Are results within the calibrated range of the instruments?
Y N N/A Are all detection limits below the CRQL?

Compound (analyte) results for CN reported with a positive detect were recalculated and verified using the following equation:

Concentration = Recalculation: #3

$$\frac{0.22771}{\cancel{50}} \times \frac{\cancel{50}}{1.08020} \times \frac{1}{0.90} = 0.234226 \approx 0.23$$

#	Sample ID	Analyte	Reported Concentration (mg/kg)	Calculated Concentration (mg/kg)	Acceptable (Y/N)
	3	CN	0.25	0.23	Y
	1,2,4→17	CN	ND	ND	Y

Hugenot Street Development - LDC# 46420C

SDG: L1941584

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (3-4)	L1941584-11	BERYLLIUM, TOTAL	9/17/2019	0.109	Y	N	J	U	U	0.420	0.028	mg/kg
B-13 (3-4)	L1941584-11	NICKEL, TOTAL	9/17/2019	17.6	Y	Y				2.10	0.203	mg/kg
B-13 (3-4)	L1941584-11	POTASSIUM, TOTAL	9/17/2019	5470	Y	Y		J	J	210	12.1	mg/kg
B-13 (3-4)	L1941584-11	BARIUM, TOTAL	9/17/2019	118	Y	Y		J	J	0.839	0.146	mg/kg
B-13 (3-4)	L1941584-11	ALUMINUM, TOTAL	9/17/2019	10900	Y	Y				8.39	2.26	mg/kg
B-13 (3-4)	L1941584-11	VANADIUM, TOTAL	9/17/2019	41.6	Y	Y				0.839	0.170	mg/kg
B-13 (3-4)	L1941584-11	THALLIUM, TOTAL	9/17/2019		Y	N	U		U	1.68	0.264	mg/kg
B-13 (3-4)	L1941584-11	SODIUM, TOTAL	9/17/2019	272	Y	Y				168	2.64	mg/kg
B-13 (3-4)	L1941584-11	SILVER, TOTAL	9/17/2019		Y	N	U		U	0.839	0.237	mg/kg
B-13 (3-4)	L1941584-11	ARSENIC, TOTAL	9/17/2019	1.43	Y	Y				0.839	0.174	mg/kg
B-13 (3-4)	L1941584-11	ZINC, TOTAL	9/17/2019	77.4	Y	Y		J	J	4.20	0.246	mg/kg
B-13 (3-4)	L1941584-11	CHROMIUM, TOTAL	9/17/2019	25.3	Y	Y		J	J	0.839	0.081	mg/kg
B-13 (3-4)	L1941584-11	MANGANESE, TOTAL	9/17/2019	229	Y	Y		J	J	0.839	0.133	mg/kg
B-13 (3-4)	L1941584-11	MAGNESIUM, TOTAL	9/17/2019	14400	Y	Y		J	J	8.39	1.29	mg/kg
B-13 (3-4)	L1941584-11	LEAD, TOTAL	9/17/2019	37.9	Y	Y				4.20	0.225	mg/kg
B-13 (3-4)	L1941584-11	IRON, TOTAL	9/17/2019	20200	Y	Y		J	J	4.20	0.758	mg/kg
B-13 (3-4)	L1941584-11	COPPER, TOTAL	9/17/2019	50.3	Y	Y				0.839	0.216	mg/kg
B-13 (3-4)	L1941584-11	COBALT, TOTAL	9/17/2019	10.3	Y	Y				1.68	0.139	mg/kg
B-13 (3-4)	L1941584-11	CALCIUM, TOTAL	9/17/2019	20900	Y	Y		J	J	8.39	2.94	mg/kg
B-13 (3-4)	L1941584-11	CADMIUM, TOTAL	9/17/2019		Y	N	U		U	0.839	0.082	mg/kg
B-13 (3-4)	L1941584-11	ANTIMONY, TOTAL	9/17/2019		Y	N	U		U	4.20	0.319	mg/kg
B-13 (3-4)	L1941584-11	SELENIUM, TOTAL	9/17/2019		Y	N	U		U	1.68	0.216	mg/kg
B-13 (6-7)	L1941584-12	BERYLLIUM, TOTAL	9/17/2019	0.087	Y	N	J	U	U	0.433	0.029	mg/kg

SDG: L1941584

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (6-7)	L1941584-12	ALUMINUM, TOTAL	9/17/2019	4920	Y	Y				8.66	2.34	mg/kg
B-13 (6-7)	L1941584-12	SELENIUM, TOTAL	9/17/2019		Y	N	U		U	1.73	0.224	mg/kg
B-13 (6-7)	L1941584-12	ZINC, TOTAL	9/17/2019	151	Y	Y		J	J	4.33	0.254	mg/kg
B-13 (6-7)	L1941584-12	POTASSIUM, TOTAL	9/17/2019	1500	Y	Y		J	J	217	12.5	mg/kg
B-13 (6-7)	L1941584-12	CHROMIUM, TOTAL	9/17/2019	8.33	Y	Y		J	J	0.866	0.083	mg/kg
B-13 (6-7)	L1941584-12	ARSENIC, TOTAL	9/17/2019	3.17	Y	Y				0.866	0.180	mg/kg
B-13 (6-7)	L1941584-12	BARIUM, TOTAL	9/17/2019	252	Y	Y		J	J	0.866	0.151	mg/kg
B-13 (6-7)	L1941584-12	VANADIUM, TOTAL	9/17/2019	18.4	Y	Y				0.866	0.176	mg/kg
B-13 (6-7)	L1941584-12	THALLIUM, TOTAL	9/17/2019		Y	N	U		U	1.73	0.273	mg/kg
B-13 (6-7)	L1941584-12	CADMIUM, TOTAL	9/17/2019	0.087	Y	Y	J		J	0.866	0.085	mg/kg
B-13 (6-7)	L1941584-12	SILVER, TOTAL	9/17/2019		Y	N	U		U	0.866	0.245	mg/kg
B-13 (6-7)	L1941584-12	ANTIMONY, TOTAL	9/17/2019		Y	N	U		U	4.33	0.329	mg/kg
B-13 (6-7)	L1941584-12	NICKEL, TOTAL	9/17/2019	5.86	Y	Y				2.17	0.210	mg/kg
B-13 (6-7)	L1941584-12	MANGANESE, TOTAL	9/17/2019	145	Y	Y		J	J	0.866	0.138	mg/kg
B-13 (6-7)	L1941584-12	MAGNESIUM, TOTAL	9/17/2019	8810	Y	Y		J	J	8.66	1.33	mg/kg
B-13 (6-7)	L1941584-12	LEAD, TOTAL	9/17/2019	357	Y	Y				4.33	0.232	mg/kg
B-13 (6-7)	L1941584-12	IRON, TOTAL	9/17/2019	7840	Y	Y		J	J	4.33	0.782	mg/kg
B-13 (6-7)	L1941584-12	COPPER, TOTAL	9/17/2019	9.82	Y	Y				0.866	0.224	mg/kg
B-13 (6-7)	L1941584-12	COBALT, TOTAL	9/17/2019	4.36	Y	Y				1.73	0.144	mg/kg
B-13 (6-7)	L1941584-12	SODIUM, TOTAL	9/17/2019	388	Y	Y				173	2.73	mg/kg
B-13 (6-7)	L1941584-12	CALCIUM, TOTAL	9/17/2019	27600	Y	Y		J	J	8.66	3.03	mg/kg
B-14 (2-3)	L1941584-10	CALCIUM, TOTAL	9/17/2019	21100	Y	Y		J	J	7.92	2.77	mg/kg
B-14 (2-3)	L1941584-10	SILVER, TOTAL	9/17/2019		Y	N	U		U	0.792	0.224	mg/kg
B-14 (2-3)	L1941584-10	SODIUM, TOTAL	9/17/2019	396	Y	Y				158	2.50	mg/kg
B-14 (2-3)	L1941584-10	ALUMINUM, TOTAL	9/17/2019	9980	Y	Y				7.92	2.14	mg/kg

SDG: L1941584

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-14 (2-3)	L1941584-10	ANTIMONY, TOTAL	9/17/2019		Y	N	U		U	3.96	0.301	mg/kg
B-14 (2-3)	L1941584-10	CADMIUM, TOTAL	9/17/2019		Y	N	U		U	0.792	0.078	mg/kg
B-14 (2-3)	L1941584-10	BARIUM, TOTAL	9/17/2019	112	Y	Y		J	J	0.792	0.138	mg/kg
B-14 (2-3)	L1941584-10	BERYLLIUM, TOTAL	9/17/2019	0.150	Y	N	J	U	U	0.396	0.026	mg/kg
B-14 (2-3)	L1941584-10	VANADIUM, TOTAL	9/17/2019	34.3	Y	Y				0.792	0.161	mg/kg
B-14 (2-3)	L1941584-10	LEAD, TOTAL	9/17/2019	58.0	Y	Y				3.96	0.212	mg/kg
B-14 (2-3)	L1941584-10	COBALT, TOTAL	9/17/2019	9.41	Y	Y				1.58	0.132	mg/kg
B-14 (2-3)	L1941584-10	IRON, TOTAL	9/17/2019	18000	Y	Y		J	J	3.96	0.716	mg/kg
B-14 (2-3)	L1941584-10	THALLIUM, TOTAL	9/17/2019		Y	N	U		U	1.58	0.250	mg/kg
B-14 (2-3)	L1941584-10	MAGNESIUM, TOTAL	9/17/2019	14000	Y	Y		J	J	7.92	1.22	mg/kg
B-14 (2-3)	L1941584-10	MANGANESE, TOTAL	9/17/2019	245	Y	Y		J	J	0.792	0.126	mg/kg
B-14 (2-3)	L1941584-10	NICKEL, TOTAL	9/17/2019	16.7	Y	Y				1.98	0.192	mg/kg
B-14 (2-3)	L1941584-10	SELENIUM, TOTAL	9/17/2019		Y	N	U		U	1.58	0.204	mg/kg
B-14 (2-3)	L1941584-10	COPPER, TOTAL	9/17/2019	46.9	Y	Y				0.792	0.204	mg/kg
B-14 (2-3)	L1941584-10	CHROMIUM, TOTAL	9/17/2019	26.0	Y	Y		J	J	0.792	0.076	mg/kg
B-14 (2-3)	L1941584-10	POTASSIUM, TOTAL	9/17/2019	5360	Y	Y		J	J	198	11.4	mg/kg
B-14 (2-3)	L1941584-10	ARSENIC, TOTAL	9/17/2019	1.85	Y	Y				0.792	0.165	mg/kg
B-14 (2-3)	L1941584-10	ZINC, TOTAL	9/17/2019	85.0	Y	Y		J	J	3.96	0.232	mg/kg
B-14 (8-9)	L1941584-09	BERYLLIUM, TOTAL	9/17/2019	0.122	Y	N	J	U	U	0.409	0.027	mg/kg
B-14 (8-9)	L1941584-09	BARIUM, TOTAL	9/17/2019	301	Y	Y		J	J	0.817	0.142	mg/kg
B-14 (8-9)	L1941584-09	POTASSIUM, TOTAL	9/17/2019	15100	Y	Y		J	J	204	11.8	mg/kg
B-14 (8-9)	L1941584-09	ZINC, TOTAL	9/17/2019	87.4	Y	Y		J	J	4.09	0.239	mg/kg
B-14 (8-9)	L1941584-09	CALCIUM, TOTAL	9/17/2019	546	Y	Y		J	J	8.17	2.86	mg/kg
B-14 (8-9)	L1941584-09	CADMIUM, TOTAL	9/17/2019		Y	N	U		U	0.817	0.080	mg/kg
B-14 (8-9)	L1941584-09	ARSENIC, TOTAL	9/17/2019		Y	N	U		U	0.817	0.170	mg/kg

SDG: L1941584

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-14 (8-9)	L1941584-09	ANTIMONY, TOTAL	9/17/2019		Y	N	U		U	4.09	0.310	mg/kg
B-14 (8-9)	L1941584-09	ALUMINUM, TOTAL	9/17/2019	21200	Y	Y				8.17	2.21	mg/kg
B-14 (8-9)	L1941584-09	CHROMIUM, TOTAL	9/17/2019	41.0	Y	Y		J	J	0.817	0.079	mg/kg
B-14 (8-9)	L1941584-09	MAGNESIUM, TOTAL	9/17/2019	9480	Y	Y		J	J	8.17	1.26	mg/kg
B-14 (8-9)	L1941584-09	COBALT, TOTAL	9/17/2019	21.7	Y	Y				1.63	0.136	mg/kg
B-14 (8-9)	L1941584-09	COPPER, TOTAL	9/17/2019	34.7	Y	Y				0.817	0.211	mg/kg
B-14 (8-9)	L1941584-09	LEAD, TOTAL	9/17/2019	7.07	Y	Y				4.09	0.219	mg/kg
B-14 (8-9)	L1941584-09	MANGANESE, TOTAL	9/17/2019	423	Y	Y		J	J	0.817	0.130	mg/kg
B-14 (8-9)	L1941584-09	NICKEL, TOTAL	9/17/2019	29.5	Y	Y				2.04	0.198	mg/kg
B-14 (8-9)	L1941584-09	SELENIUM, TOTAL	9/17/2019		Y	N	U		U	1.63	0.211	mg/kg
B-14 (8-9)	L1941584-09	SILVER, TOTAL	9/17/2019		Y	N	U		U	0.817	0.231	mg/kg
B-14 (8-9)	L1941584-09	SODIUM, TOTAL	9/17/2019	219	Y	Y				163	2.57	mg/kg
B-14 (8-9)	L1941584-09	THALLIUM, TOTAL	9/17/2019		Y	N	U		U	1.63	0.257	mg/kg
B-14 (8-9)	L1941584-09	VANADIUM, TOTAL	9/17/2019	68.1	Y	Y				0.817	0.166	mg/kg
B-14 (8-9)	L1941584-09	IRON, TOTAL	9/17/2019	38300	Y	Y		J	J	4.09	0.738	mg/kg
B-3 (4-5)	L1941584-15	BERYLLIUM, TOTAL	9/17/2019	0.047	Y	N	J	U	U	0.393	0.026	mg/kg
B-3 (4-5)	L1941584-15	IRON, TOTAL	9/17/2019	4570	Y	Y		J	J	3.93	0.709	mg/kg
B-3 (4-5)	L1941584-15	ALUMINUM, TOTAL	9/17/2019	1220	Y	Y				7.85	2.12	mg/kg
B-3 (4-5)	L1941584-15	ANTIMONY, TOTAL	9/17/2019		Y	N	U		U	3.93	0.298	mg/kg
B-3 (4-5)	L1941584-15	CADMIUM, TOTAL	9/17/2019		Y	N	U		U	0.785	0.077	mg/kg
B-3 (4-5)	L1941584-15	CALCIUM, TOTAL	9/17/2019	2130	Y	Y		J	J	7.85	2.75	mg/kg
B-3 (4-5)	L1941584-15	ARSENIC, TOTAL	9/17/2019	1.30	Y	Y				0.785	0.163	mg/kg
B-3 (4-5)	L1941584-15	COPPER, TOTAL	9/17/2019	8.62	Y	Y				0.785	0.203	mg/kg
B-3 (4-5)	L1941584-15	ZINC, TOTAL	9/17/2019	62.4	Y	Y		J	J	3.93	0.230	mg/kg
B-3 (4-5)	L1941584-15	LEAD, TOTAL	9/17/2019	6.97	Y	Y				3.93	0.210	mg/kg

SDG: L1941584

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (4-5)	L1941584-15	MAGNESIUM, TOTAL	9/17/2019	694	Y	Y		J	J	7.85	1.21	mg/kg
B-3 (4-5)	L1941584-15	VANADIUM, TOTAL	9/17/2019	8.94	Y	Y				0.785	0.159	mg/kg
B-3 (4-5)	L1941584-15	COBALT, TOTAL	9/17/2019	1.61	Y	Y				1.57	0.130	mg/kg
B-3 (4-5)	L1941584-15	CHROMIUM, TOTAL	9/17/2019	5.01	Y	Y		J	J	0.785	0.075	mg/kg
B-3 (4-5)	L1941584-15	MANGANESE, TOTAL	9/17/2019	69.2	Y	Y		J	J	0.785	0.125	mg/kg
B-3 (4-5)	L1941584-15	THALLIUM, TOTAL	9/17/2019		Y	N	U		U	1.57	0.247	mg/kg
B-3 (4-5)	L1941584-15	SODIUM, TOTAL	9/17/2019	351	Y	Y				157	2.47	mg/kg
B-3 (4-5)	L1941584-15	SILVER, TOTAL	9/17/2019		Y	N	U		U	0.785	0.222	mg/kg
B-3 (4-5)	L1941584-15	SELENIUM, TOTAL	9/17/2019		Y	N	U		U	1.57	0.203	mg/kg
B-3 (4-5)	L1941584-15	BARIUM, TOTAL	9/17/2019	22.7	Y	Y		J	J	0.785	0.137	mg/kg
B-3 (4-5)	L1941584-15	NICKEL, TOTAL	9/17/2019	4.65	Y	Y				1.96	0.190	mg/kg
B-3 (4-5)	L1941584-15	POTASSIUM, TOTAL	9/17/2019	308	Y	Y		J	J	196	11.3	mg/kg
B-3 (6-7)	L1941584-16	BERYLLIUM, TOTAL	9/17/2019	0.099	Y	N	J	U	U	0.449	0.030	mg/kg
B-3 (6-7)	L1941584-16	CHROMIUM, TOTAL	9/17/2019	54.4	Y	Y		J	J	0.899	0.086	mg/kg
B-3 (6-7)	L1941584-16	NICKEL, TOTAL	9/17/2019	32.7	Y	Y				2.25	0.218	mg/kg
B-3 (6-7)	L1941584-16	SELENIUM, TOTAL	9/17/2019		Y	N	U		U	1.80	0.232	mg/kg
B-3 (6-7)	L1941584-16	MANGANESE, TOTAL	9/17/2019	280	Y	Y				0.899	0.143	mg/kg
B-3 (6-7)	L1941584-16	MAGNESIUM, TOTAL	9/17/2019	11500	Y	Y		J	J	8.99	1.38	mg/kg
B-3 (6-7)	L1941584-16	SILVER, TOTAL	9/17/2019		Y	N	U		U	0.899	0.254	mg/kg
B-3 (6-7)	L1941584-16	POTASSIUM, TOTAL	9/17/2019	18000	Y	Y		J	J	225	12.9	mg/kg
B-3 (6-7)	L1941584-16	ZINC, TOTAL	9/17/2019	106	Y	Y		J	J	4.49	0.263	mg/kg
B-3 (6-7)	L1941584-16	SODIUM, TOTAL	9/17/2019	371	Y	Y				180	2.83	mg/kg
B-3 (6-7)	L1941584-16	THALLIUM, TOTAL	9/17/2019		Y	N	U		U	1.80	0.283	mg/kg
B-3 (6-7)	L1941584-16	LEAD, TOTAL	9/17/2019	3.77	Y	Y	J		J	4.49	0.241	mg/kg
B-3 (6-7)	L1941584-16	ANTIMONY, TOTAL	9/17/2019		Y	N	U		U	4.49	0.342	mg/kg

SDG: L1941584

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (6-7)	L1941584-16	ALUMINUM, TOTAL	9/17/2019	25300	Y	Y				8.99	2.43	mg/kg
B-3 (6-7)	L1941584-16	COPPER, TOTAL	9/17/2019	54.3	Y	Y				0.899	0.232	mg/kg
B-3 (6-7)	L1941584-16	IRON, TOTAL	9/17/2019	39200	Y	Y		J	J	4.49	0.812	mg/kg
B-3 (6-7)	L1941584-16	BARIUM, TOTAL	9/17/2019	267	Y	Y		J	J	0.899	0.156	mg/kg
B-3 (6-7)	L1941584-16	CALCIUM, TOTAL	9/17/2019	1320	Y	Y		J	J	8.99	3.15	mg/kg
B-3 (6-7)	L1941584-16	CADMIUM, TOTAL	9/17/2019		Y	N	U		U	0.899	0.088	mg/kg
B-3 (6-7)	L1941584-16	ARSENIC, TOTAL	9/17/2019		Y	N	U		U	0.899	0.187	mg/kg
B-3 (6-7)	L1941584-16	VANADIUM, TOTAL	9/17/2019	84.2	Y	Y				0.899	0.182	mg/kg
B-3 (6-7)	L1941584-16	COBALT, TOTAL	9/17/2019	18.1	Y	Y				1.80	0.149	mg/kg
B-4 (4-5)	L1941584-04	ZINC, TOTAL	9/17/2019	254	Y	Y		J	J	4.34	0.254	mg/kg
B-4 (4-5)	L1941584-04	ALUMINUM, TOTAL	9/17/2019	4420	Y	Y				8.67	2.34	mg/kg
B-4 (4-5)	L1941584-04	ANTIMONY, TOTAL	9/17/2019		Y	N	U		U	4.34	0.330	mg/kg
B-4 (4-5)	L1941584-04	POTASSIUM, TOTAL	9/17/2019	1180	Y	Y		J	J	217	12.5	mg/kg
B-4 (4-5)	L1941584-04	MAGNESIUM, TOTAL	9/17/2019	2770	Y	Y		J	J	8.67	1.34	mg/kg
B-4 (4-5)	L1941584-04	BERYLLIUM, TOTAL	9/17/2019	0.052	Y	N	J	U	U	0.434	0.029	mg/kg
B-4 (4-5)	L1941584-04	THALLIUM, TOTAL	9/17/2019		Y	N	U		U	1.73	0.273	mg/kg
B-4 (4-5)	L1941584-04	SODIUM, TOTAL	9/17/2019	171	Y	Y	J		J	173	2.73	mg/kg
B-4 (4-5)	L1941584-04	SILVER, TOTAL	9/17/2019		Y	N	U		U	0.867	0.245	mg/kg
B-4 (4-5)	L1941584-04	SELENIUM, TOTAL	9/17/2019		Y	N	U		U	1.73	0.224	mg/kg
B-4 (4-5)	L1941584-04	CHROMIUM, TOTAL	9/17/2019	13.5	Y	Y		J	J	0.867	0.083	mg/kg
B-4 (4-5)	L1941584-04	MANGANESE, TOTAL	9/17/2019	113	Y	Y		J	J	0.867	0.138	mg/kg
B-4 (4-5)	L1941584-04	CADMIUM, TOTAL	9/17/2019		Y	N	U		U	0.867	0.085	mg/kg
B-4 (4-5)	L1941584-04	LEAD, TOTAL	9/17/2019	126	Y	Y				4.34	0.232	mg/kg
B-4 (4-5)	L1941584-04	IRON, TOTAL	9/17/2019	8010	Y	Y		J	J	4.34	0.783	mg/kg
B-4 (4-5)	L1941584-04	COPPER, TOTAL	9/17/2019	14.0	Y	Y				0.867	0.224	mg/kg

SDG: L1941584

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (4-5)	L1941584-04	BARIUM, TOTAL	9/17/2019	197	Y	Y		J	J	0.867	0.151	mg/kg
B-4 (4-5)	L1941584-04	COBALT, TOTAL	9/17/2019	3.90	Y	Y				1.73	0.144	mg/kg
B-4 (4-5)	L1941584-04	CALCIUM, TOTAL	9/17/2019	17400	Y	Y		J	J	8.67	3.04	mg/kg
B-4 (4-5)	L1941584-04	VANADIUM, TOTAL	9/17/2019	15.8	Y	Y				0.867	0.176	mg/kg
B-4 (4-5)	L1941584-04	NICKEL, TOTAL	9/17/2019	8.43	Y	Y				2.17	0.210	mg/kg
B-4 (4-5)	L1941584-04	ARSENIC, TOTAL	9/17/2019	2.13	Y	Y				0.867	0.180	mg/kg
B-4 (7-8)	L1941584-05	MAGNESIUM, TOTAL	9/17/2019	7860	Y	Y		J	J	8.93	1.38	mg/kg
B-4 (7-8)	L1941584-05	IRON, TOTAL	9/17/2019	33700	Y	Y		J	J	4.46	0.806	mg/kg
B-4 (7-8)	L1941584-05	ALUMINUM, TOTAL	9/17/2019	20100	Y	Y				8.93	2.41	mg/kg
B-4 (7-8)	L1941584-05	ANTIMONY, TOTAL	9/17/2019		Y	N	U		U	4.46	0.339	mg/kg
B-4 (7-8)	L1941584-05	ARSENIC, TOTAL	9/17/2019		Y	N	U		U	0.893	0.186	mg/kg
B-4 (7-8)	L1941584-05	BERYLLIUM, TOTAL	9/17/2019		Y	N	U		U	0.446	0.030	mg/kg
B-4 (7-8)	L1941584-05	CADMIUM, TOTAL	9/17/2019		Y	N	U		U	0.893	0.088	mg/kg
B-4 (7-8)	L1941584-05	CALCIUM, TOTAL	9/17/2019	1170	Y	Y		J	J	8.93	3.12	mg/kg
B-4 (7-8)	L1941584-05	NICKEL, TOTAL	9/17/2019	25.5	Y	Y				2.23	0.216	mg/kg
B-4 (7-8)	L1941584-05	LEAD, TOTAL	9/17/2019	2.39	Y	Y	J		J	4.46	0.239	mg/kg
B-4 (7-8)	L1941584-05	VANADIUM, TOTAL	9/17/2019	58.8	Y	Y				0.893	0.181	mg/kg
B-4 (7-8)	L1941584-05	MANGANESE, TOTAL	9/17/2019	336	Y	Y		J	J	0.893	0.142	mg/kg
B-4 (7-8)	L1941584-05	BARIUM, TOTAL	9/17/2019	215	Y	Y		J	J	0.893	0.155	mg/kg
B-4 (7-8)	L1941584-05	SELENIUM, TOTAL	9/17/2019		Y	N	U		U	1.78	0.230	mg/kg
B-4 (7-8)	L1941584-05	SILVER, TOTAL	9/17/2019		Y	N	U		U	0.893	0.253	mg/kg
B-4 (7-8)	L1941584-05	SODIUM, TOTAL	9/17/2019	294	Y	Y				178	2.81	mg/kg
B-4 (7-8)	L1941584-05	THALLIUM, TOTAL	9/17/2019		Y	N	U		U	1.78	0.281	mg/kg
B-4 (7-8)	L1941584-05	COPPER, TOTAL	9/17/2019	19.4	Y	Y				0.893	0.230	mg/kg
B-4 (7-8)	L1941584-05	CHROMIUM, TOTAL	9/17/2019	37.6	Y	Y		J	J	0.893	0.086	mg/kg

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (7-8)	L1941584-05	POTASSIUM, TOTAL	9/17/2019	13600	Y	Y		J	J	223	12.8	mg/kg
B-4 (7-8)	L1941584-05	ZINC, TOTAL	9/17/2019	80.5	Y	Y		J	J	4.46	0.262	mg/kg
B-4 (7-8)	L1941584-05	COBALT, TOTAL	9/17/2019	18.7	Y	Y				1.78	0.148	mg/kg
B-8 (4-5)	L1941584-13	ARSENIC, TOTAL	9/17/2019	0.676	Y	N	J	U	U	0.856	0.178	mg/kg
B-8 (4-5)	L1941584-13	BERYLLIUM, TOTAL	9/17/2019	0.043	Y	N	J	U	U	0.428	0.028	mg/kg
B-8 (4-5)	L1941584-13	ZINC, TOTAL	9/17/2019	39.2	Y	Y		J	J	4.28	0.251	mg/kg
B-8 (4-5)	L1941584-13	THALLIUM, TOTAL	9/17/2019		Y	N	U		U	1.71	0.270	mg/kg
B-8 (4-5)	L1941584-13	MANGANESE, TOTAL	9/17/2019	203	Y	Y		J	J	0.856	0.136	mg/kg
B-8 (4-5)	L1941584-13	LEAD, TOTAL	9/17/2019	2.11	Y	Y	J		J	4.28	0.229	mg/kg
B-8 (4-5)	L1941584-13	CADMIUM, TOTAL	9/17/2019		Y	N	U		U	0.856	0.084	mg/kg
B-8 (4-5)	L1941584-13	CALCIUM, TOTAL	9/17/2019	17500	Y	Y		J	J	8.56	2.99	mg/kg
B-8 (4-5)	L1941584-13	ANTIMONY, TOTAL	9/17/2019		Y	N	U		U	4.28	0.325	mg/kg
B-8 (4-5)	L1941584-13	MAGNESIUM, TOTAL	9/17/2019	5280	Y	Y		J	J	8.56	1.32	mg/kg
B-8 (4-5)	L1941584-13	NICKEL, TOTAL	9/17/2019	20.2	Y	Y				2.14	0.207	mg/kg
B-8 (4-5)	L1941584-13	SELENIUM, TOTAL	9/17/2019		Y	N	U		U	1.71	0.221	mg/kg
B-8 (4-5)	L1941584-13	SILVER, TOTAL	9/17/2019		Y	N	U		U	0.856	0.242	mg/kg
B-8 (4-5)	L1941584-13	SODIUM, TOTAL	9/17/2019	657	Y	Y				171	2.70	mg/kg
B-8 (4-5)	L1941584-13	VANADIUM, TOTAL	9/17/2019	39.5	Y	Y				0.856	0.174	mg/kg
B-8 (4-5)	L1941584-13	BARIUM, TOTAL	9/17/2019	166	Y	Y		J	J	0.856	0.149	mg/kg
B-8 (4-5)	L1941584-13	CHROMIUM, TOTAL	9/17/2019	27.4	Y	Y		J	J	0.856	0.082	mg/kg
B-8 (4-5)	L1941584-13	POTASSIUM, TOTAL	9/17/2019	5960	Y	Y		J	J	214	12.3	mg/kg
B-8 (4-5)	L1941584-13	ALUMINUM, TOTAL	9/17/2019	10800	Y	Y				8.56	2.31	mg/kg
B-8 (4-5)	L1941584-13	COPPER, TOTAL	9/17/2019	42.1	Y	Y				0.856	0.221	mg/kg
B-8 (4-5)	L1941584-13	IRON, TOTAL	9/17/2019	15600	Y	Y		J	J	4.28	0.773	mg/kg
B-8 (4-5)	L1941584-13	COBALT, TOTAL	9/17/2019	11.2	Y	Y				1.71	0.142	mg/kg

SDG: L1941584

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (5-6)	L1941584-14	BERYLLIUM, TOTAL	9/17/2019	0.170	Y	N	J	U	U	0.424	0.028	mg/kg
B-8 (5-6)	L1941584-14	MAGNESIUM, TOTAL	9/17/2019	7250	Y	Y		J	J	8.49	1.31	mg/kg
B-8 (5-6)	L1941584-14	MANGANESE, TOTAL	9/17/2019	224	Y	Y		J	J	0.849	0.135	mg/kg
B-8 (5-6)	L1941584-14	NICKEL, TOTAL	9/17/2019	44.1	Y	Y				2.12	0.205	mg/kg
B-8 (5-6)	L1941584-14	SILVER, TOTAL	9/17/2019		Y	N	U		U	0.849	0.240	mg/kg
B-8 (5-6)	L1941584-14	SODIUM, TOTAL	9/17/2019	396	Y	Y				170	2.67	mg/kg
B-8 (5-6)	L1941584-14	THALLIUM, TOTAL	9/17/2019		Y	N	U		U	1.70	0.267	mg/kg
B-8 (5-6)	L1941584-14	VANADIUM, TOTAL	9/17/2019	46.2	Y	Y				0.849	0.172	mg/kg
B-8 (5-6)	L1941584-14	BARIUM, TOTAL	9/17/2019	285	Y	Y		J	J	0.849	0.148	mg/kg
B-8 (5-6)	L1941584-14	SELENIUM, TOTAL	9/17/2019		Y	N	U		U	1.70	0.219	mg/kg
B-8 (5-6)	L1941584-14	IRON, TOTAL	9/17/2019	33900	Y	Y		J	J	4.24	0.767	mg/kg
B-8 (5-6)	L1941584-14	CADMIUM, TOTAL	9/17/2019		Y	N	U		U	0.849	0.083	mg/kg
B-8 (5-6)	L1941584-14	ALUMINUM, TOTAL	9/17/2019	17100	Y	Y				8.49	2.29	mg/kg
B-8 (5-6)	L1941584-14	ANTIMONY, TOTAL	9/17/2019		Y	N	U		U	4.24	0.323	mg/kg
B-8 (5-6)	L1941584-14	COBALT, TOTAL	9/17/2019	11.3	Y	Y				1.70	0.141	mg/kg
B-8 (5-6)	L1941584-14	LEAD, TOTAL	9/17/2019	5.16	Y	Y				4.24	0.228	mg/kg
B-8 (5-6)	L1941584-14	COPPER, TOTAL	9/17/2019	92.1	Y	Y				0.849	0.219	mg/kg
B-8 (5-6)	L1941584-14	CALCIUM, TOTAL	9/17/2019	402	Y	Y		J	J	8.49	2.97	mg/kg
B-8 (5-6)	L1941584-14	CHROMIUM, TOTAL	9/17/2019	50.9	Y	Y		J	J	0.849	0.082	mg/kg
B-8 (5-6)	L1941584-14	POTASSIUM, TOTAL	9/17/2019	10500	Y	Y		J	J	212	12.2	mg/kg
B-8 (5-6)	L1941584-14	ARSENIC, TOTAL	9/17/2019		Y	N	U		U	0.849	0.177	mg/kg
B-8 (5-6)	L1941584-14	ZINC, TOTAL	9/17/2019	64.7	Y	Y		J	J	4.24	0.249	mg/kg
B-9 (3-4)	L1941584-07	SELENIUM, TOTAL	9/17/2019		Y	N	U		U	1.74	0.225	mg/kg
B-9 (3-4)	L1941584-07	BARIUM, TOTAL	9/17/2019	271	Y	Y		J	J	0.872	0.152	mg/kg
B-9 (3-4)	L1941584-07	CHROMIUM, TOTAL	9/17/2019	20.3	Y	Y		J	J	0.872	0.084	mg/kg

SDG: L1941584

Analytical Method	6010D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (3-4)	L1941584-07	ZINC, TOTAL	9/17/2019	198	Y	Y		J	J	4.36	0.255	mg/kg
B-9 (3-4)	L1941584-07	VANADIUM, TOTAL	9/17/2019	28.4	Y	Y				0.872	0.177	mg/kg
B-9 (3-4)	L1941584-07	BERYLLIUM, TOTAL	9/17/2019	0.174	Y	N	J	U	U	0.436	0.029	mg/kg
B-9 (3-4)	L1941584-07	THALLIUM, TOTAL	9/17/2019		Y	N	U		U	1.74	0.275	mg/kg
B-9 (3-4)	L1941584-07	SILVER, TOTAL	9/17/2019		Y	N	U		U	0.872	0.247	mg/kg
B-9 (3-4)	L1941584-07	POTASSIUM, TOTAL	9/17/2019	3930	Y	Y		J	J	218	12.6	mg/kg
B-9 (3-4)	L1941584-07	NICKEL, TOTAL	9/17/2019	14.4	Y	Y				2.18	0.211	mg/kg
B-9 (3-4)	L1941584-07	MANGANESE, TOTAL	9/17/2019	232	Y	Y		J	J	0.872	0.139	mg/kg
B-9 (3-4)	L1941584-07	MAGNESIUM, TOTAL	9/17/2019	4810	Y	Y		J	J	8.72	1.34	mg/kg
B-9 (3-4)	L1941584-07	LEAD, TOTAL	9/17/2019	117	Y	Y				4.36	0.234	mg/kg
B-9 (3-4)	L1941584-07	IRON, TOTAL	9/17/2019	18400	Y	Y		J	J	4.36	0.787	mg/kg
B-9 (3-4)	L1941584-07	COPPER, TOTAL	9/17/2019	21.7	Y	Y				0.872	0.225	mg/kg
B-9 (3-4)	L1941584-07	COBALT, TOTAL	9/17/2019	8.54	Y	Y				1.74	0.145	mg/kg
B-9 (3-4)	L1941584-07	CALCIUM, TOTAL	9/17/2019	8200	Y	Y		J	J	8.72	3.05	mg/kg
B-9 (3-4)	L1941584-07	CADMIUM, TOTAL	9/17/2019		Y	N	U		U	0.872	0.085	mg/kg
B-9 (3-4)	L1941584-07	ANTIMONY, TOTAL	9/17/2019		Y	N	U		U	4.36	0.331	mg/kg
B-9 (3-4)	L1941584-07	ALUMINUM, TOTAL	9/17/2019	11100	Y	Y				8.72	2.35	mg/kg
B-9 (3-4)	L1941584-07	SODIUM, TOTAL	9/17/2019	909	Y	Y				174	2.75	mg/kg
B-9 (3-4)	L1941584-07	ARSENIC, TOTAL	9/17/2019	2.82	Y	Y				0.872	0.181	mg/kg
B-9 (6-7)	L1941584-08	NICKEL, TOTAL	9/17/2019	21.5	Y	Y				2.12	0.206	mg/kg
B-9 (6-7)	L1941584-08	CHROMIUM, TOTAL	9/17/2019	19.5	Y	Y		J	J	0.849	0.082	mg/kg
B-9 (6-7)	L1941584-08	ALUMINUM, TOTAL	9/17/2019	8820	Y	Y				8.49	2.29	mg/kg
B-9 (6-7)	L1941584-08	ANTIMONY, TOTAL	9/17/2019		Y	N	U		U	4.24	0.323	mg/kg
B-9 (6-7)	L1941584-08	CADMIUM, TOTAL	9/17/2019		Y	N	U		U	0.849	0.083	mg/kg
B-9 (6-7)	L1941584-08	CALCIUM, TOTAL	9/17/2019	1530	Y	Y		J	J	8.49	2.97	mg/kg

SDG: L1941584

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (6-7)	L1941584-08	COBALT, TOTAL	9/17/2019	10.9	Y	Y				1.70	0.141	mg/kg
B-9 (6-7)	L1941584-08	IRON, TOTAL	9/17/2019	15500	Y	Y		J	J	4.24	0.767	mg/kg
B-9 (6-7)	L1941584-08	POTASSIUM, TOTAL	9/17/2019	3270	Y	Y		J	J	212	12.2	mg/kg
B-9 (6-7)	L1941584-08	MANGANESE, TOTAL	9/17/2019	577	Y	Y		J	J	0.849	0.135	mg/kg
B-9 (6-7)	L1941584-08	COPPER, TOTAL	9/17/2019	19.8	Y	Y				0.849	0.219	mg/kg
B-9 (6-7)	L1941584-08	SELENIUM, TOTAL	9/17/2019		Y	N	U		U	1.70	0.219	mg/kg
B-9 (6-7)	L1941584-08	SILVER, TOTAL	9/17/2019		Y	N	U		U	0.849	0.240	mg/kg
B-9 (6-7)	L1941584-08	SODIUM, TOTAL	9/17/2019	200	Y	Y				170	2.67	mg/kg
B-9 (6-7)	L1941584-08	THALLIUM, TOTAL	9/17/2019		Y	N	U		U	1.70	0.267	mg/kg
B-9 (6-7)	L1941584-08	VANADIUM, TOTAL	9/17/2019	20.5	Y	Y				0.849	0.172	mg/kg
B-9 (6-7)	L1941584-08	BERYLLIUM, TOTAL	9/17/2019	0.153	Y	N	J	U	U	0.424	0.028	mg/kg
B-9 (6-7)	L1941584-08	BARIUM, TOTAL	9/17/2019	69.2	Y	Y		J	J	0.849	0.148	mg/kg
B-9 (6-7)	L1941584-08	ARSENIC, TOTAL	9/17/2019	0.501	Y	N	J	U	U	0.849	0.177	mg/kg
B-9 (6-7)	L1941584-08	MAGNESIUM, TOTAL	9/17/2019	4040	Y	Y		J	J	8.49	1.31	mg/kg
B-9 (6-7)	L1941584-08	LEAD, TOTAL	9/17/2019	8.92	Y	Y				4.24	0.228	mg/kg
B-9 (6-7)	L1941584-08	ZINC, TOTAL	9/17/2019	28.8	Y	Y		J	J	4.24	0.249	mg/kg
DUP	L1941584-17	IRON, TOTAL	9/17/2019	20000	Y	Y				4.23	0.763	mg/kg
DUP	L1941584-17	COBALT, TOTAL	9/17/2019	10.2	Y	Y				1.69	0.140	mg/kg
DUP	L1941584-17	CALCIUM, TOTAL	9/17/2019	13700	Y	Y		J	J	8.45	2.96	mg/kg
DUP	L1941584-17	COPPER, TOTAL	9/17/2019	33.4	Y	Y				0.845	0.218	mg/kg
DUP	L1941584-17	CADMIUM, TOTAL	9/17/2019		Y	N	U		U	0.845	0.083	mg/kg
DUP	L1941584-17	ARSENIC, TOTAL	9/17/2019	2.55	Y	Y				0.845	0.176	mg/kg
DUP	L1941584-17	LEAD, TOTAL	9/17/2019	404	Y	Y				4.23	0.226	mg/kg
DUP	L1941584-17	BERYLLIUM, TOTAL	9/17/2019	0.152	Y	N	J	U	U	0.423	0.028	mg/kg
DUP	L1941584-17	CHROMIUM, TOTAL	9/17/2019	25.2	Y	Y		J	J	0.845	0.081	mg/kg

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP	L1941584-17	ANTIMONY, TOTAL	9/17/2019		Y	N	U		U	4.23	0.321	mg/kg
DUP	L1941584-17	ALUMINUM, TOTAL	9/17/2019	11000	Y	Y				8.45	2.28	mg/kg
DUP	L1941584-17	BARIUM, TOTAL	9/17/2019	150	Y	Y		J	J	0.845	0.147	mg/kg
DUP	L1941584-17	SODIUM, TOTAL	9/17/2019	410	Y	Y				169	2.66	mg/kg
DUP	L1941584-17	VANADIUM, TOTAL	9/17/2019	36.9	Y	Y				0.845	0.172	mg/kg
DUP	L1941584-17	ZINC, TOTAL	9/17/2019	64.7	Y	Y		J	J	4.23	0.248	mg/kg
DUP	L1941584-17	MAGNESIUM, TOTAL	9/17/2019	5340	Y	Y		J	J	8.45	1.30	mg/kg
DUP	L1941584-17	THALLIUM, TOTAL	9/17/2019		Y	N	U		U	1.69	0.266	mg/kg
DUP	L1941584-17	SILVER, TOTAL	9/17/2019		Y	N	U		U	0.845	0.239	mg/kg
DUP	L1941584-17	POTASSIUM, TOTAL	9/17/2019	5170	Y	Y		J	J	211	12.2	mg/kg
DUP	L1941584-17	MANGANESE, TOTAL	9/17/2019	300	Y	Y				0.845	0.134	mg/kg
DUP	L1941584-17	NICKEL, TOTAL	9/17/2019	15.9	Y	Y				2.11	0.204	mg/kg
DUP	L1941584-17	SELENIUM, TOTAL	9/17/2019		Y	N	U		U	1.69	0.218	mg/kg
WC-A-3 (0-5)	L1941584-01	CALCIUM, TOTAL	9/17/2019	23800	Y	Y		J	J	9.34	3.27	mg/kg
WC-A-3 (0-5)	L1941584-01	VANADIUM, TOTAL	9/17/2019	32.8	Y	Y				0.934	0.190	mg/kg
WC-A-3 (0-5)	L1941584-01	BARIUM, TOTAL	9/17/2019	185	Y	Y		J	J	0.934	0.162	mg/kg
WC-A-3 (0-5)	L1941584-01	THALLIUM, TOTAL	9/17/2019		Y	N	U		U	1.87	0.294	mg/kg
WC-A-3 (0-5)	L1941584-01	SODIUM, TOTAL	9/17/2019	493	Y	Y				187	2.94	mg/kg
WC-A-3 (0-5)	L1941584-01	SILVER, TOTAL	9/17/2019		Y	N	U		U	0.934	0.264	mg/kg
WC-A-3 (0-5)	L1941584-01	SELENIUM, TOTAL	9/17/2019		Y	N	U		U	1.87	0.241	mg/kg
WC-A-3 (0-5)	L1941584-01	NICKEL, TOTAL	9/17/2019	19.1	Y	Y				2.34	0.226	mg/kg
WC-A-3 (0-5)	L1941584-01	POTASSIUM, TOTAL	9/17/2019	3140	Y	Y		J	J	234	13.4	mg/kg
WC-A-3 (0-5)	L1941584-01	ZINC, TOTAL	9/17/2019	129	Y	Y		J	J	4.67	0.274	mg/kg
WC-A-3 (0-5)	L1941584-01	CHROMIUM, TOTAL	9/17/2019	27.5	Y	Y		J	J	0.934	0.090	mg/kg
WC-A-3 (0-5)	L1941584-01	MAGNESIUM, TOTAL	9/17/2019	12300	Y	Y		J	J	9.34	1.44	mg/kg

SDG: L1941584

Analytical Method	6010D											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
WC-A-3 (0-5)	L1941584-01	ALUMINUM, TOTAL	9/17/2019	11400	Y	Y				9.34	2.52	mg/kg
WC-A-3 (0-5)	L1941584-01	CADMIUM, TOTAL	9/17/2019		Y	N	U		U	0.934	0.092	mg/kg
WC-A-3 (0-5)	L1941584-01	ANTIMONY, TOTAL	9/17/2019		Y	N	U		U	4.67	0.355	mg/kg
WC-A-3 (0-5)	L1941584-01	LEAD, TOTAL	9/17/2019	97.0	Y	Y				4.67	0.250	mg/kg
WC-A-3 (0-5)	L1941584-01	BERYLLIUM, TOTAL	9/17/2019	0.205	Y	N	J	U	U	0.467	0.031	mg/kg
WC-A-3 (0-5)	L1941584-01	IRON, TOTAL	9/17/2019	18600	Y	Y		J	J	4.67	0.843	mg/kg
WC-A-3 (0-5)	L1941584-01	COPPER, TOTAL	9/17/2019	28.4	Y	Y				0.934	0.241	mg/kg
WC-A-3 (0-5)	L1941584-01	MANGANESE, TOTAL	9/17/2019	267	Y	Y		J	J	0.934	0.148	mg/kg
WC-A-3 (0-5)	L1941584-01	COBALT, TOTAL	9/17/2019	8.98	Y	Y				1.87	0.155	mg/kg
WC-A-3 (0-5)	L1941584-01	ARSENIC, TOTAL	9/17/2019	2.57	Y	Y				0.934	0.194	mg/kg
WC-A-4 (0-6)	L1941584-02	VANADIUM, TOTAL	9/17/2019	28.4	Y	Y				0.880	0.178	mg/kg
WC-A-4 (0-6)	L1941584-02	THALLIUM, TOTAL	9/17/2019		Y	N	U		U	1.76	0.277	mg/kg
WC-A-4 (0-6)	L1941584-02	SODIUM, TOTAL	9/17/2019	242	Y	Y				176	2.77	mg/kg
WC-A-4 (0-6)	L1941584-02	MAGNESIUM, TOTAL	9/17/2019	6870	Y	Y		J	J	8.80	1.35	mg/kg
WC-A-4 (0-6)	L1941584-02	NICKEL, TOTAL	9/17/2019	16.0	Y	Y				2.20	0.213	mg/kg
WC-A-4 (0-6)	L1941584-02	SILVER, TOTAL	9/17/2019		Y	N	U		U	0.880	0.249	mg/kg
WC-A-4 (0-6)	L1941584-02	CADMIUM, TOTAL	9/17/2019		Y	N	U		U	0.880	0.086	mg/kg
WC-A-4 (0-6)	L1941584-02	POTASSIUM, TOTAL	9/17/2019	2380	Y	Y		J	J	220	12.7	mg/kg
WC-A-4 (0-6)	L1941584-02	COPPER, TOTAL	9/17/2019	59.9	Y	Y				0.880	0.227	mg/kg
WC-A-4 (0-6)	L1941584-02	CHROMIUM, TOTAL	9/17/2019	22.5	Y	Y		J	J	0.880	0.084	mg/kg
WC-A-4 (0-6)	L1941584-02	BARIUM, TOTAL	9/17/2019	135	Y	Y		J	J	0.880	0.153	mg/kg
WC-A-4 (0-6)	L1941584-02	CALCIUM, TOTAL	9/17/2019	25100	Y	Y		J	J	8.80	3.08	mg/kg
WC-A-4 (0-6)	L1941584-02	ZINC, TOTAL	9/17/2019	186	Y	Y		J	J	4.40	0.258	mg/kg
WC-A-4 (0-6)	L1941584-02	LEAD, TOTAL	9/17/2019	354	Y	Y				4.40	0.236	mg/kg
WC-A-4 (0-6)	L1941584-02	IRON, TOTAL	9/17/2019	16500	Y	Y		J	J	4.40	0.794	mg/kg

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-4 (0-6)	L1941584-02	COBALT, TOTAL	9/17/2019	7.82	Y	Y				1.76	0.146	mg/kg
WC-A-4 (0-6)	L1941584-02	MANGANESE, TOTAL	9/17/2019	397	Y	Y		J	J	0.880	0.140	mg/kg
WC-A-4 (0-6)	L1941584-02	BERYLLIUM, TOTAL	9/17/2019	0.176	Y	N	J	U	U	0.440	0.029	mg/kg
WC-A-4 (0-6)	L1941584-02	SELENIUM, TOTAL	9/17/2019		Y	N	U		U	1.76	0.227	mg/kg
WC-A-4 (0-6)	L1941584-02	ALUMINUM, TOTAL	9/17/2019	8320	Y	Y				8.80	2.38	mg/kg
WC-A-4 (0-6)	L1941584-02	ANTIMONY, TOTAL	9/17/2019	3.63	Y	N	J	U	U	4.40	0.334	mg/kg
WC-A-4 (0-6)	L1941584-02	ARSENIC, TOTAL	9/17/2019	5.67	Y	Y				0.880	0.183	mg/kg
WC-B-3 (0-5)	L1941584-06	MANGANESE, TOTAL	9/17/2019	208	Y	Y		J	J	0.884	0.140	mg/kg
WC-B-3 (0-5)	L1941584-06	SODIUM, TOTAL	9/17/2019	372	Y	Y				177	2.78	mg/kg
WC-B-3 (0-5)	L1941584-06	POTASSIUM, TOTAL	9/17/2019	1540	Y	Y		J	J	221	12.7	mg/kg
WC-B-3 (0-5)	L1941584-06	ALUMINUM, TOTAL	9/17/2019	5770	Y	Y				8.84	2.39	mg/kg
WC-B-3 (0-5)	L1941584-06	CADMIUM, TOTAL	9/17/2019	1.64	Y	Y				0.884	0.087	mg/kg
WC-B-3 (0-5)	L1941584-06	CALCIUM, TOTAL	9/17/2019	52900	Y	Y		J	J	8.84	3.09	mg/kg
WC-B-3 (0-5)	L1941584-06	ZINC, TOTAL	9/17/2019	840	Y	Y		J	J	4.42	0.259	mg/kg
WC-B-3 (0-5)	L1941584-06	BERYLLIUM, TOTAL	9/17/2019	0.071	Y	N	J	U	U	0.442	0.029	mg/kg
WC-B-3 (0-5)	L1941584-06	MAGNESIUM, TOTAL	9/17/2019	14300	Y	Y		J	J	8.84	1.36	mg/kg
WC-B-3 (0-5)	L1941584-06	LEAD, TOTAL	9/17/2019	669	Y	Y				4.42	0.237	mg/kg
WC-B-3 (0-5)	L1941584-06	BARIUM, TOTAL	9/17/2019	682	Y	Y		J	J	0.884	0.154	mg/kg
WC-B-3 (0-5)	L1941584-06	IRON, TOTAL	9/17/2019	10500	Y	Y		J	J	4.42	0.798	mg/kg
WC-B-3 (0-5)	L1941584-06	COPPER, TOTAL	9/17/2019	17.4	Y	Y				0.884	0.228	mg/kg
WC-B-3 (0-5)	L1941584-06	VANADIUM, TOTAL	9/17/2019	26.5	Y	Y				0.884	0.179	mg/kg
WC-B-3 (0-5)	L1941584-06	THALLIUM, TOTAL	9/17/2019		Y	N	U		U	1.77	0.278	mg/kg
WC-B-3 (0-5)	L1941584-06	SILVER, TOTAL	9/17/2019		Y	N	U		U	0.884	0.250	mg/kg
WC-B-3 (0-5)	L1941584-06	ANTIMONY, TOTAL	9/17/2019		Y	N	U		U	4.42	0.336	mg/kg
WC-B-3 (0-5)	L1941584-06	CHROMIUM, TOTAL	9/17/2019	15.8	Y	Y		J	J	0.884	0.085	mg/kg

SDG: L1941584

Analytical Method 6010D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B-3 (0-5)	L1941584-06	COBALT, TOTAL	9/17/2019	4.71	Y	Y				1.77	0.147	mg/kg
WC-B-3 (0-5)	L1941584-06	SELENIUM, TOTAL	9/17/2019		Y	N	U		U	1.77	0.228	mg/kg
WC-B-3 (0-5)	L1941584-06	NICKEL, TOTAL	9/17/2019	8.74	Y	Y				2.21	0.214	mg/kg
WC-B-3 (0-5)	L1941584-06	ARSENIC, TOTAL	9/17/2019	4.03	Y	Y				0.884	0.184	mg/kg
WC-B-4 (0-5)	L1941584-03	COPPER, TOTAL	9/17/2019	29.9	Y	Y				0.858	0.221	mg/kg
WC-B-4 (0-5)	L1941584-03	BERYLLIUM, TOTAL	9/17/2019	0.120	Y	N	J	U	U	0.429	0.028	mg/kg
WC-B-4 (0-5)	L1941584-03	CALCIUM, TOTAL	9/17/2019	15700	Y	Y		J	J	8.58	3.00	mg/kg
WC-B-4 (0-5)	L1941584-03	COBALT, TOTAL	9/17/2019	10.6	Y	Y				1.72	0.142	mg/kg
WC-B-4 (0-5)	L1941584-03	ANTIMONY, TOTAL	9/17/2019		Y	N	U		U	4.29	0.326	mg/kg
WC-B-4 (0-5)	L1941584-03	ALUMINUM, TOTAL	9/17/2019	11800	Y	Y				8.58	2.32	mg/kg
WC-B-4 (0-5)	L1941584-03	IRON, TOTAL	9/17/2019	19600	Y	Y		J	J	4.29	0.774	mg/kg
WC-B-4 (0-5)	L1941584-03	ZINC, TOTAL	9/17/2019	202	Y	Y		J	J	4.29	0.251	mg/kg
WC-B-4 (0-5)	L1941584-03	CHROMIUM, TOTAL	9/17/2019	24.9	Y	Y		J	J	0.858	0.082	mg/kg
WC-B-4 (0-5)	L1941584-03	BARIUM, TOTAL	9/17/2019	172	Y	Y		J	J	0.858	0.149	mg/kg
WC-B-4 (0-5)	L1941584-03	POTASSIUM, TOTAL	9/17/2019	6420	Y	Y		J	J	214	12.3	mg/kg
WC-B-4 (0-5)	L1941584-03	CADMIUM, TOTAL	9/17/2019		Y	N	U		U	0.858	0.084	mg/kg
WC-B-4 (0-5)	L1941584-03	MAGNESIUM, TOTAL	9/17/2019	9540	Y	Y		J	J	8.58	1.32	mg/kg
WC-B-4 (0-5)	L1941584-03	MANGANESE, TOTAL	9/17/2019	335	Y	Y		J	J	0.858	0.136	mg/kg
WC-B-4 (0-5)	L1941584-03	NICKEL, TOTAL	9/17/2019	17.0	Y	Y				2.14	0.208	mg/kg
WC-B-4 (0-5)	L1941584-03	SELENIUM, TOTAL	9/17/2019		Y	N	U		U	1.72	0.221	mg/kg
WC-B-4 (0-5)	L1941584-03	SILVER, TOTAL	9/17/2019		Y	N	U		U	0.858	0.243	mg/kg
WC-B-4 (0-5)	L1941584-03	SODIUM, TOTAL	9/17/2019	618	Y	Y				172	2.70	mg/kg
WC-B-4 (0-5)	L1941584-03	VANADIUM, TOTAL	9/17/2019	40.2	Y	Y				0.858	0.174	mg/kg
WC-B-4 (0-5)	L1941584-03	LEAD, TOTAL	9/17/2019	67.2	Y	Y				4.29	0.230	mg/kg
WC-B-4 (0-5)	L1941584-03	THALLIUM, TOTAL	9/17/2019		Y	N	U		U	1.72	0.270	mg/kg

Analytical Method	6010D										
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
WC-B-4 (0-5)	L1941584-03	ARSENIC, TOTAL	9/17/2019	1.29	Y	Y				0.858	0.178	mg/kg

Analytical Method	A2540G										
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
B-13 (3-4)	L1941584-11	SOLIDS, TOTAL	9/12/2019	93.1	Y	Y				0.100	0.100	percent
B-13 (6-7)	L1941584-12	SOLIDS, TOTAL	9/12/2019	91.6	Y	Y				0.100	0.100	percent
B-14 (2-3)	L1941584-10	SOLIDS, TOTAL	9/12/2019	95.6	Y	Y				0.100	0.100	percent
B-14 (8-9)	L1941584-09	SOLIDS, TOTAL	9/12/2019	93.4	Y	Y				0.100	0.100	percent
B-3 (4-5)	L1941584-15	SOLIDS, TOTAL	9/12/2019	97.2	Y	Y				0.100	0.100	percent
B-3 (6-7)	L1941584-16	SOLIDS, TOTAL	9/12/2019	87.6	Y	Y				0.100	0.100	percent
B-4 (4-5)	L1941584-04	SOLIDS, TOTAL	9/12/2019	91.5	Y	Y				0.100	0.100	percent
B-4 (7-8)	L1941584-05	SOLIDS, TOTAL	9/12/2019	89.6	Y	Y				0.100	0.100	percent
B-8 (4-5)	L1941584-13	SOLIDS, TOTAL	9/12/2019	90.6	Y	Y				0.100	0.100	percent
B-8 (5-6)	L1941584-14	SOLIDS, TOTAL	9/12/2019	90.6	Y	Y				0.100	0.100	percent
B-9 (3-4)	L1941584-07	SOLIDS, TOTAL	9/12/2019	89.6	Y	Y				0.100	0.100	percent
B-9 (6-7)	L1941584-08	SOLIDS, TOTAL	9/12/2019	92.0	Y	Y				0.100	0.100	percent
DUP	L1941584-17	SOLIDS, TOTAL	9/13/2019	91.7	Y	Y				0.100	0.100	percent
WC-A-3 (0-5)	L1941584-01	SOLIDS, TOTAL	9/12/2019	84.3	Y	Y				0.100	0.100	percent
WC-A-4 (0-6)	L1941584-02	SOLIDS, TOTAL	9/12/2019	88.8	Y	Y				0.100	0.100	percent
WC-B-3 (0-5)	L1941584-06	SOLIDS, TOTAL	9/12/2019	89.8	Y	Y				0.100	0.100	percent
WC-B-4 (0-5)	L1941584-03	SOLIDS, TOTAL	9/12/2019	90.4	Y	Y				0.100	0.100	percent

Analytical Method	E537(M)										
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
B-14 (2-3)	L1941584-10	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U		U	1.02	0.207	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-14 (2-3)	L1941584-10	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	1.02	0.294	ug/kg
B-14 (2-3)	L1941584-10	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	1.02	0.157	ug/kg
B-14 (2-3)	L1941584-10	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	1.02	0.023	ug/kg
B-14 (2-3)	L1941584-10	PFOA/PFOS, TOTAL	9/30/2019	1.46	Y	Y	J		J	1.02	0.043	ug/kg
B-14 (2-3)	L1941584-10	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019		Y	N	U		U	1.02	0.087	ug/kg
B-14 (2-3)	L1941584-10	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019	0.301	Y	Y	J		J	1.02	0.184	ug/kg
B-14 (2-3)	L1941584-10	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	1.02	0.069	ug/kg
B-14 (2-3)	L1941584-10	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	1.02	0.040	ug/kg
B-14 (2-3)	L1941584-10	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	J	U	U	1.02	0.054	ug/kg
B-14 (2-3)	L1941584-10	PERFLUORONONANOIC ACID (PFNA)	9/30/2019	0.098	Y	Y	J		J	1.02	0.077	ug/kg
B-14 (2-3)	L1941584-10	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U		U	1.02	0.140	ug/kg
B-14 (2-3)	L1941584-10	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	1.02	0.046	ug/kg
B-14 (2-3)	L1941584-10	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U		U	1.02	0.062	ug/kg
B-14 (2-3)	L1941584-10	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	1.02	0.072	ug/kg
B-14 (2-3)	L1941584-10	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019		Y	N	U		U	10.2	0.100	ug/kg
B-14 (2-3)	L1941584-10	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019	1.40	Y	Y				1.02	0.133	ug/kg
B-14 (2-3)	L1941584-10	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019	0.057	Y	Y	J		J	1.02	0.043	ug/kg
B-14 (2-3)	L1941584-10	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	1.02	0.047	ug/kg
B-14 (2-3)	L1941584-10	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	1.02	0.055	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-14 (2-3)	L1941584-10	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	1.02	0.048	ug/kg
B-14 (2-3)	L1941584-10	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	1.02	0.210	ug/kg
B-14 (8-9)	L1941584-09	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U		U	0.967	0.195	ug/kg
B-14 (8-9)	L1941584-09	PFOA/PFOS, TOTAL	9/30/2019	0.183	Y	Y	J		J	0.967	0.041	ug/kg
B-14 (8-9)	L1941584-09	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	0.967	0.073	ug/kg
B-14 (8-9)	L1941584-09	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019		Y	N	U		U	0.967	0.041	ug/kg
B-14 (8-9)	L1941584-09	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019		Y	N	U		U	9.70	0.095	ug/kg
B-14 (8-9)	L1941584-09	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019		Y	N	U		U	0.967	0.082	ug/kg
B-14 (8-9)	L1941584-09	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019	0.384	Y	Y	J		J	0.967	0.174	ug/kg
B-14 (8-9)	L1941584-09	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	0.967	0.277	ug/kg
B-14 (8-9)	L1941584-09	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	0.967	0.038	ug/kg
B-14 (8-9)	L1941584-09	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019	0.183	Y	Y	J		J	0.967	0.126	ug/kg
B-14 (8-9)	L1941584-09	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	0.967	0.045	ug/kg
B-14 (8-9)	L1941584-09	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	0.967	0.052	ug/kg
B-14 (8-9)	L1941584-09	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	0.967	0.044	ug/kg
B-14 (8-9)	L1941584-09	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	0.967	0.045	ug/kg
B-14 (8-9)	L1941584-09	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	0.967	0.022	ug/kg
B-14 (8-9)	L1941584-09	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	J	U	U	0.967	0.051	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-14 (8-9)	L1941584-09	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U		U	0.967	0.059	ug/kg
B-14 (8-9)	L1941584-09	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U		U	0.967	0.132	ug/kg
B-14 (8-9)	L1941584-09	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	0.967	0.068	ug/kg
B-14 (8-9)	L1941584-09	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	0.967	0.065	ug/kg
B-14 (8-9)	L1941584-09	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	0.967	0.148	ug/kg
B-14 (8-9)	L1941584-09	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	0.967	0.198	ug/kg
B-4 (4-5)	L1941584-04	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U		U	1.04	0.142	ug/kg
B-4 (4-5)	L1941584-04	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	J	U	U	1.04	0.055	ug/kg
B-4 (4-5)	L1941584-04	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	1.04	0.078	ug/kg
B-4 (4-5)	L1941584-04	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	1.04	0.049	ug/kg
B-4 (4-5)	L1941584-04	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	1.04	0.212	ug/kg
B-4 (4-5)	L1941584-04	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	1.04	0.056	ug/kg
B-4 (4-5)	L1941584-04	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	1.04	0.048	ug/kg
B-4 (4-5)	L1941584-04	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019		Y	N	U		U	1.04	0.044	ug/kg
B-4 (4-5)	L1941584-04	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019	1.46	Y	Y				1.04	0.135	ug/kg
B-4 (4-5)	L1941584-04	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	1.04	0.298	ug/kg
B-4 (4-5)	L1941584-04	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	1.04	0.047	ug/kg
B-4 (4-5)	L1941584-04	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019		Y	N	U		U	10.4	0.102	ug/kg
B-4 (4-5)	L1941584-04	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	1.04	0.073	ug/kg

SDG: L1941584

Analytical Method	E537(M)										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (4-5)	L1941584-04	PERFLUORODECANOIC ACID (PFDA)	9/30/2019	0.070	Y	Y	J		J	1.04	0.070	ug/kg
B-4 (4-5)	L1941584-04	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	1.04	0.159	ug/kg
B-4 (4-5)	L1941584-04	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	1.04	0.024	ug/kg
B-4 (4-5)	L1941584-04	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	1.04	0.041	ug/kg
B-4 (4-5)	L1941584-04	PFOA/PFOS, TOTAL	9/30/2019	1.46	Y	Y				1.04	0.044	ug/kg
B-4 (4-5)	L1941584-04	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U		U	1.04	0.209	ug/kg
B-4 (4-5)	L1941584-04	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019	0.121	Y	Y	J		J	1.04	0.088	ug/kg
B-4 (4-5)	L1941584-04	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	1.04	0.186	ug/kg
B-4 (4-5)	L1941584-04	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U		U	1.04	0.063	ug/kg
B-4 (7-8)	L1941584-05	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	1.05	0.047	ug/kg
B-4 (7-8)	L1941584-05	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	1.05	0.301	ug/kg
B-4 (7-8)	L1941584-05	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	1.05	0.188	ug/kg
B-4 (7-8)	L1941584-05	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019		Y	N	U		U	1.05	0.089	ug/kg
B-4 (7-8)	L1941584-05	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U		U	1.05	0.211	ug/kg
B-4 (7-8)	L1941584-05	PFOA/PFOS, TOTAL	9/30/2019	0.571	Y	Y	J		J	1.05	0.044	ug/kg
B-4 (7-8)	L1941584-05	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	1.05	0.041	ug/kg
B-4 (7-8)	L1941584-05	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	1.05	0.024	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (7-8)	L1941584-05	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	1.05	0.160	ug/kg
B-4 (7-8)	L1941584-05	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	1.05	0.070	ug/kg
B-4 (7-8)	L1941584-05	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	1.05	0.049	ug/kg
B-4 (7-8)	L1941584-05	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U		U	1.05	0.143	ug/kg
B-4 (7-8)	L1941584-05	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U		U	1.05	0.063	ug/kg
B-4 (7-8)	L1941584-05	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	1.05	0.079	ug/kg
B-4 (7-8)	L1941584-05	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019		Y	N	U		U	10.5	0.103	ug/kg
B-4 (7-8)	L1941584-05	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019	0.571	Y	Y	J		J	1.05	0.136	ug/kg
B-4 (7-8)	L1941584-05	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019		Y	N	U		U	1.05	0.044	ug/kg
B-4 (7-8)	L1941584-05	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	1.05	0.048	ug/kg
B-4 (7-8)	L1941584-05	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	1.05	0.057	ug/kg
B-4 (7-8)	L1941584-05	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	1.05	0.214	ug/kg
B-4 (7-8)	L1941584-05	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	U		U	1.05	0.055	ug/kg
B-4 (7-8)	L1941584-05	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	1.05	0.073	ug/kg
B-9 (3-4)	L1941584-07	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019		Y	N	U		U	1.05	0.089	ug/kg
B-9 (3-4)	L1941584-07	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	1.05	0.047	ug/kg
B-9 (3-4)	L1941584-07	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	1.05	0.049	ug/kg
B-9 (3-4)	L1941584-07	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	1.05	0.215	ug/kg
B-9 (3-4)	L1941584-07	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	1.05	0.057	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (3-4)	L1941584-07	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	1.05	0.048	ug/kg
B-9 (3-4)	L1941584-07	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019	0.059	Y	Y	J		J	1.05	0.044	ug/kg
B-9 (3-4)	L1941584-07	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019	0.402	Y	Y	J		J	1.05	0.136	ug/kg
B-9 (3-4)	L1941584-07	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019		Y	N	U		U	10.5	0.103	ug/kg
B-9 (3-4)	L1941584-07	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	1.05	0.079	ug/kg
B-9 (3-4)	L1941584-07	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	1.05	0.301	ug/kg
B-9 (3-4)	L1941584-07	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U		U	1.05	0.064	ug/kg
B-9 (3-4)	L1941584-07	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019		Y	N	U		U	1.05	0.188	ug/kg
B-9 (3-4)	L1941584-07	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U		U	1.05	0.143	ug/kg
B-9 (3-4)	L1941584-07	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	1.05	0.074	ug/kg
B-9 (3-4)	L1941584-07	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	1.05	0.070	ug/kg
B-9 (3-4)	L1941584-07	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	1.05	0.161	ug/kg
B-9 (3-4)	L1941584-07	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	1.05	0.024	ug/kg
B-9 (3-4)	L1941584-07	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	1.05	0.041	ug/kg
B-9 (3-4)	L1941584-07	PFOA/PFOS, TOTAL	9/30/2019	0.461	Y	Y	J		J	1.05	0.044	ug/kg
B-9 (3-4)	L1941584-07	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U		U	1.05	0.212	ug/kg
B-9 (3-4)	L1941584-07	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	J	U	U	1.05	0.055	ug/kg
B-9 (6-7)	L1941584-08	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	1.02	0.048	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (6-7)	L1941584-08	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	1.02	0.292	ug/kg
B-9 (6-7)	L1941584-08	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U		U	1.02	0.139	ug/kg
B-9 (6-7)	L1941584-08	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	1.02	0.071	ug/kg
B-9 (6-7)	L1941584-08	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	1.02	0.068	ug/kg
B-9 (6-7)	L1941584-08	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	1.02	0.155	ug/kg
B-9 (6-7)	L1941584-08	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	1.02	0.023	ug/kg
B-9 (6-7)	L1941584-08	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	1.02	0.040	ug/kg
B-9 (6-7)	L1941584-08	PFOA/PFOS, TOTAL	9/30/2019	0.221	Y	Y	J		J	1.02	0.043	ug/kg
B-9 (6-7)	L1941584-08	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U		U	1.02	0.205	ug/kg
B-9 (6-7)	L1941584-08	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019	0.874	Y	Y	J		J	1.02	0.182	ug/kg
B-9 (6-7)	L1941584-08	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	1.02	0.046	ug/kg
B-9 (6-7)	L1941584-08	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U		U	1.02	0.061	ug/kg
B-9 (6-7)	L1941584-08	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	J	U	U	1.02	0.053	ug/kg
B-9 (6-7)	L1941584-08	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	1.02	0.076	ug/kg
B-9 (6-7)	L1941584-08	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019		Y	N	U		U	10.2	0.100	ug/kg
B-9 (6-7)	L1941584-08	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	1.02	0.208	ug/kg
B-9 (6-7)	L1941584-08	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019		Y	N	U		U	1.02	0.086	ug/kg
B-9 (6-7)	L1941584-08	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019	0.221	Y	Y	J		J	1.02	0.132	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (6-7)	L1941584-08	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019		Y	N	U		U	1.02	0.043	ug/kg
B-9 (6-7)	L1941584-08	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	1.02	0.047	ug/kg
B-9 (6-7)	L1941584-08	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	1.02	0.055	ug/kg
DUP	L1941584-17	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/30/2019		Y	N	U		U	1.04	0.209	ug/kg
DUP	L1941584-17	PERFLUOROHEXANOIC ACID (PFHXA)	9/30/2019		Y	N	J	U	U	1.04	0.054	ug/kg
DUP	L1941584-17	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/30/2019		Y	N	U		U	1.04	0.040	ug/kg
DUP	L1941584-17	PERFLUOROBUTANOIC ACID (PFBA)	9/30/2019		Y	N	U		U	1.04	0.024	ug/kg
DUP	L1941584-17	PERFLUORODECANESULFONIC ACID (PFDS)	9/30/2019		Y	N	U		U	1.04	0.158	ug/kg
DUP	L1941584-17	PERFLUORODECANOIC ACID (PFDA)	9/30/2019		Y	N	U		U	1.04	0.069	ug/kg
DUP	L1941584-17	PERFLUORODODECANOIC ACID (PFDOA)	9/30/2019		Y	N	U		U	1.04	0.073	ug/kg
DUP	L1941584-17	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/30/2019		Y	N	U		U	1.04	0.141	ug/kg
DUP	L1941584-17	PFOA/PFOS, TOTAL	9/30/2019	0.829	Y	Y	J		J	1.04	0.043	ug/kg
DUP	L1941584-17	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/30/2019		Y	N	U		U	1.04	0.063	ug/kg
DUP	L1941584-17	PERFLUOROTETRADECANOIC ACID (PFTA)	9/30/2019		Y	N	U		U	1.04	0.056	ug/kg
DUP	L1941584-17	PERFLUORONONANOIC ACID (PFNA)	9/30/2019		Y	N	U		U	1.04	0.078	ug/kg
DUP	L1941584-17	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/30/2019		Y	N	U		U	10.4	0.102	ug/kg
DUP	L1941584-17	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/30/2019	0.655	Y	Y	J		J	1.04	0.135	ug/kg
DUP	L1941584-17	PERFLUOROOCTANOIC ACID (PFOA)	9/30/2019	0.174	Y	Y	J		J	1.04	0.043	ug/kg
DUP	L1941584-17	PERFLUOROPENTANOIC ACID (PFPEA)	9/30/2019		Y	N	U		U	1.04	0.048	ug/kg
DUP	L1941584-17	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/30/2019		Y	N	U		U	1.04	0.212	ug/kg

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP	L1941584-17	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/30/2019	0.285	Y	Y	J		J	1.04	0.186	ug/kg
DUP	L1941584-17	PERFLUOROHEPTANOIC ACID (PFHPA)	9/30/2019		Y	N	U		U	1.04	0.047	ug/kg
DUP	L1941584-17	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/30/2019		Y	N	U		U	1.04	0.297	ug/kg
DUP	L1941584-17	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/30/2019		Y	N	U		U	1.04	0.088	ug/kg
DUP	L1941584-17	PERFLUOROUNDECANOIC ACID (PFUNA)	9/30/2019		Y	N	U		U	1.04	0.049	ug/kg

Analytical Method SW7471B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (3-4)	L1941584-11	MERCURY, TOTAL	9/17/2019	0.079	Y	Y		J	J	0.067	0.044	mg/kg
B-13 (6-7)	L1941584-12	MERCURY, TOTAL	9/17/2019		Y	N	U	UJ	UJ	0.068	0.045	mg/kg
B-14 (2-3)	L1941584-10	MERCURY, TOTAL	9/17/2019	0.070	Y	Y		J	J	0.066	0.043	mg/kg
B-14 (8-9)	L1941584-09	MERCURY, TOTAL	9/17/2019		Y	N	U	UJ	UJ	0.068	0.044	mg/kg
B-3 (4-5)	L1941584-15	MERCURY, TOTAL	9/17/2019		Y	N	U	UJ	UJ	0.065	0.042	mg/kg
B-3 (6-7)	L1941584-16	MERCURY, TOTAL	9/17/2019		Y	N	U	UJ	UJ	0.072	0.047	mg/kg
B-4 (4-5)	L1941584-04	MERCURY, TOTAL	9/17/2019	0.302	Y	Y		J	J	0.070	0.045	mg/kg
B-4 (7-8)	L1941584-05	MERCURY, TOTAL	9/17/2019		Y	N	U	UJ	UJ	0.070	0.046	mg/kg
B-8 (4-5)	L1941584-13	MERCURY, TOTAL	9/17/2019	0.146	Y	Y		J	J	0.069	0.045	mg/kg
B-8 (5-6)	L1941584-14	MERCURY, TOTAL	9/17/2019		Y	N	U	UJ	UJ	0.070	0.045	mg/kg
B-9 (3-4)	L1941584-07	MERCURY, TOTAL	9/17/2019	0.238	Y	Y		J	J	0.071	0.046	mg/kg
B-9 (6-7)	L1941584-08	MERCURY, TOTAL	9/17/2019		Y	N	U	UJ	UJ	0.068	0.044	mg/kg
DUP	L1941584-17	MERCURY, TOTAL	9/17/2019	0.145	Y	Y		J	J	0.068	0.045	mg/kg
WC-A-3 (0-5)	L1941584-01	MERCURY, TOTAL	9/17/2019	0.404	Y	Y		J	J	0.075	0.049	mg/kg

Analytical Method	SW7471B											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
WC-A-4 (0-6)	L1941584-02	MERCURY, TOTAL	9/17/2019	1.00	Y	Y		J	J	0.071	0.046	mg/kg
WC-B-3 (0-5)	L1941584-06	MERCURY, TOTAL	9/17/2019	0.270	Y	Y		J	J	0.070	0.046	mg/kg
WC-B-4 (0-5)	L1941584-03	MERCURY, TOTAL	9/17/2019		Y	N	U	UJ	UJ	0.070	0.045	mg/kg

Analytical Method	SW8081B											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
B-13 (3-4)	L1941584-11	DELTA-BHC	9/18/2019		Y	N	U		U	1.66	0.326	ug/kg
B-13 (3-4)	L1941584-11	ENDOSULFAN I	9/18/2019		Y	N	U		U	1.66	0.393	ug/kg
B-13 (3-4)	L1941584-11	ENDOSULFAN II	9/18/2019		Y	N	U		U	1.66	0.556	ug/kg
B-13 (3-4)	L1941584-11	ENDOSULFAN SULFATE	9/18/2019		Y	N	U		U	0.694	0.330	ug/kg
B-13 (3-4)	L1941584-11	ENDRIN	9/18/2019		Y	N	U		U	0.694	0.284	ug/kg
B-13 (3-4)	L1941584-11	LINDANE	9/18/2019		Y	N	U		U	0.694	0.310	ug/kg
B-13 (3-4)	L1941584-11	ENDRIN KETONE	9/18/2019		Y	N	U		U	1.66	0.429	ug/kg
B-13 (3-4)	L1941584-11	HEPTACHLOR	9/18/2019		Y	N	U		U	0.833	0.373	ug/kg
B-13 (3-4)	L1941584-11	METHOXYCHLOR	9/18/2019		Y	N	U		U	3.12	0.971	ug/kg
B-13 (3-4)	L1941584-11	CHLORDANE	9/18/2019		Y	N	U		U	13.5	5.52	ug/kg
B-13 (3-4)	L1941584-11	ENDRIN ALDEHYDE	9/18/2019		Y	N	U		U	2.08	0.728	ug/kg
B-13 (3-4)	L1941584-11	CIS-CHLORDANE	9/18/2019	21.0	Y	Y	IP	J	J	2.08	0.580	ug/kg
B-13 (3-4)	L1941584-11	BETA-BHC	9/18/2019		Y	N	U		U	1.66	0.631	ug/kg
B-13 (3-4)	L1941584-11	4,4'-DDD	9/18/2019		Y	N	U		U	1.66	0.594	ug/kg
B-13 (3-4)	L1941584-11	TOXAPHENE	9/18/2019		Y	N	U		U	31.2	8.74	ug/kg
B-13 (3-4)	L1941584-11	ALPHA-BHC	9/18/2019		Y	N	U		U	0.694	0.197	ug/kg
B-13 (3-4)	L1941584-11	ALDRIN	9/18/2019		Y	N	U		U	1.66	0.586	ug/kg
B-13 (3-4)	L1941584-11	4,4'-DDE	9/18/2019	1.52	Y	Y	J		J	1.66	0.385	ug/kg
B-13 (3-4)	L1941584-11	HEPTACHLOR EPOXIDE	9/18/2019	1.00	Y	Y	JIP	J	J	3.12	0.937	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (3-4)	L1941584-11	TRANS-CHLORDANE	9/18/2019	28.7	Y	Y				2.08	0.550	ug/kg
B-13 (3-4)	L1941584-11	DIELDRIN	9/18/2019	1.62	Y	Y				1.04	0.520	ug/kg
B-13 (3-4)	L1941584-11	4,4'-DDT	9/18/2019	9.13	Y	Y				3.12	1.34	ug/kg
B-13 (6-7)	L1941584-12	METHOXYCHLOR	9/18/2019		Y	N	U		U	3.09	0.961	ug/kg
B-13 (6-7)	L1941584-12	4,4'-DDT	9/18/2019	521	Y	Y	E			3.09	1.32	ug/kg
B-13 (6-7)	L1941584-12	4,4'-DDD	9/18/2019	2.05	Y	Y	IP	J	J	1.65	0.588	ug/kg
B-13 (6-7)	L1941584-12	ENDOSULFAN II	9/18/2019		Y	N	U		U	1.65	0.551	ug/kg
B-13 (6-7)	L1941584-12	ENDOSULFAN I	9/18/2019		Y	N	U		U	1.65	0.389	ug/kg
B-13 (6-7)	L1941584-12	DELTA-BHC	9/18/2019		Y	N	U		U	1.65	0.323	ug/kg
B-13 (6-7)	L1941584-12	CHLORDANE	9/18/2019		Y	N	U		U	13.4	5.46	ug/kg
B-13 (6-7)	L1941584-12	ALPHA-BHC	9/18/2019		Y	N	U		U	0.687	0.195	ug/kg
B-13 (6-7)	L1941584-12	ALDRIN	9/18/2019		Y	N	U		U	1.65	0.580	ug/kg
B-13 (6-7)	L1941584-12	BETA-BHC	9/18/2019		Y	N	U		U	1.65	0.625	ug/kg
B-13 (6-7)	L1941584-12	CIS-CHLORDANE	9/18/2019	1.02	Y	Y	JIP	J	J	2.06	0.574	ug/kg
B-13 (6-7)	L1941584-12	ENDOSULFAN SULFATE	9/18/2019		Y	N	U		U	0.687	0.327	ug/kg
B-13 (6-7)	L1941584-12	ENDRIN	9/18/2019		Y	N	U		U	0.687	0.282	ug/kg
B-13 (6-7)	L1941584-12	TRANS-CHLORDANE	9/18/2019		Y	N	U		U	2.06	0.544	ug/kg
B-13 (6-7)	L1941584-12	TOXAPHENE	9/18/2019		Y	N	U		U	30.9	8.65	ug/kg
B-13 (6-7)	L1941584-12	HEPTACHLOR	9/18/2019		Y	N	U		U	0.824	0.369	ug/kg
B-13 (6-7)	L1941584-12	LINDANE	9/18/2019		Y	N	U		U	0.687	0.307	ug/kg
B-13 (6-7)	L1941584-12	4,4'-DDE	9/18/2019	134	Y	Y				1.65	0.381	ug/kg
B-13 (6-7)	L1941584-12	DIELDRIN	9/18/2019	1.07	Y	Y				1.03	0.515	ug/kg
B-13 (6-7)	L1941584-12	ENDRIN KETONE	9/18/2019		Y	N	U		U	1.65	0.424	ug/kg
B-13 (6-7)	L1941584-12	ENDRIN ALDEHYDE	9/18/2019		Y	N	U		U	2.06	0.721	ug/kg
B-13 (6-7)	L1941584-12	HEPTACHLOR EPOXIDE	9/18/2019		Y	N	U		U	3.09	0.927	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (6-7)	L1941584-12	4,4'-DDT	9/18/2019	589	Y	Y				30.9	13.2	ug/kg
B-14 (2-3)	L1941584-10	DELTA-BHC	9/18/2019		Y	N	U		U	1.58	0.310	ug/kg
B-14 (2-3)	L1941584-10	TOXAPHENE	9/18/2019		Y	N	U		U	29.7	8.32	ug/kg
B-14 (2-3)	L1941584-10	4,4'-DDD	9/18/2019		Y	N	U		U	1.58	0.565	ug/kg
B-14 (2-3)	L1941584-10	ALDRIN	9/18/2019		Y	N	U		U	1.58	0.558	ug/kg
B-14 (2-3)	L1941584-10	BETA-BHC	9/18/2019		Y	N	U		U	1.58	0.600	ug/kg
B-14 (2-3)	L1941584-10	ENDOSULFAN I	9/18/2019		Y	N	U		U	1.58	0.374	ug/kg
B-14 (2-3)	L1941584-10	ENDOSULFAN II	9/18/2019		Y	N	U		U	1.58	0.529	ug/kg
B-14 (2-3)	L1941584-10	ENDOSULFAN SULFATE	9/18/2019		Y	N	U		U	0.660	0.314	ug/kg
B-14 (2-3)	L1941584-10	HEPTACHLOR EPOXIDE	9/18/2019	2.01	Y	Y	P	J	J	2.97	0.891	ug/kg
B-14 (2-3)	L1941584-10	CIS-CHLORDANE	9/18/2019	25.4	Y	Y	P	J	J	1.98	0.552	ug/kg
B-14 (2-3)	L1941584-10	4,4'-DDE	9/18/2019	1.27	Y	Y	J		J	1.58	0.366	ug/kg
B-14 (2-3)	L1941584-10	LINDANE	9/18/2019		Y	N	U		U	0.660	0.295	ug/kg
B-14 (2-3)	L1941584-10	HEPTACHLOR	9/18/2019		Y	N	U		U	0.792	0.355	ug/kg
B-14 (2-3)	L1941584-10	ENDRIN KETONE	9/18/2019		Y	N	U		U	1.58	0.408	ug/kg
B-14 (2-3)	L1941584-10	ENDRIN ALDEHYDE	9/18/2019		Y	N	U		U	1.98	0.693	ug/kg
B-14 (2-3)	L1941584-10	METHOXYCHLOR	9/18/2019		Y	N	U		U	2.97	0.924	ug/kg
B-14 (2-3)	L1941584-10	ENDRIN	9/18/2019		Y	N	U		U	0.660	0.270	ug/kg
B-14 (2-3)	L1941584-10	ALPHA-BHC	9/18/2019		Y	N	U		U	0.660	0.187	ug/kg
B-14 (2-3)	L1941584-10	4,4'-DDT	9/18/2019	6.24	Y	Y				2.97	1.27	ug/kg
B-14 (2-3)	L1941584-10	TRANS-CHLORDANE	9/18/2019	17.8	Y	Y				1.98	0.523	ug/kg
B-14 (2-3)	L1941584-10	DIELDRIN	9/18/2019	1.50	Y	Y				0.990	0.495	ug/kg
B-14 (2-3)	L1941584-10	CHLORDANE	9/18/2019	127	Y	Y				12.9	5.25	ug/kg
B-14 (8-9)	L1941584-09	ENDOSULFAN I	9/18/2019		Y	N	U		U	1.64	0.388	ug/kg
B-14 (8-9)	L1941584-09	4,4'-DDE	9/18/2019		Y	N	U		U	1.64	0.380	ug/kg

SDG: L1941584

Analytical Method	SW8081B											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-14 (8-9)	L1941584-09	4,4'-DDT	9/18/2019		Y	N	U		U	3.08	1.32	ug/kg
B-14 (8-9)	L1941584-09	ALDRIN	9/18/2019		Y	N	U		U	1.64	0.578	ug/kg
B-14 (8-9)	L1941584-09	ALPHA-BHC	9/18/2019		Y	N	U		U	0.684	0.194	ug/kg
B-14 (8-9)	L1941584-09	BETA-BHC	9/18/2019		Y	N	U		U	1.64	0.622	ug/kg
B-14 (8-9)	L1941584-09	DIELDRIN	9/18/2019		Y	N	U		U	1.03	0.513	ug/kg
B-14 (8-9)	L1941584-09	ENDOSULFAN II	9/18/2019		Y	N	U		U	1.64	0.549	ug/kg
B-14 (8-9)	L1941584-09	ENDOSULFAN SULFATE	9/18/2019		Y	N	U		U	0.684	0.326	ug/kg
B-14 (8-9)	L1941584-09	ENDRIN	9/18/2019		Y	N	U		U	0.684	0.280	ug/kg
B-14 (8-9)	L1941584-09	ENDRIN ALDEHYDE	9/18/2019		Y	N	U		U	2.05	0.718	ug/kg
B-14 (8-9)	L1941584-09	HEPTACHLOR	9/18/2019		Y	N	U		U	0.821	0.368	ug/kg
B-14 (8-9)	L1941584-09	DELTA-BHC	9/18/2019		Y	N	U		U	1.64	0.322	ug/kg
B-14 (8-9)	L1941584-09	LINDANE	9/18/2019		Y	N	U		U	0.684	0.306	ug/kg
B-14 (8-9)	L1941584-09	TOXAPHENE	9/18/2019		Y	N	U		U	30.8	8.62	ug/kg
B-14 (8-9)	L1941584-09	ENDRIN KETONE	9/18/2019		Y	N	U		U	1.64	0.423	ug/kg
B-14 (8-9)	L1941584-09	4,4'-DDD	9/18/2019		Y	N	U		U	1.64	0.586	ug/kg
B-14 (8-9)	L1941584-09	METHOXYCHLOR	9/18/2019		Y	N	U	UJ	UJ	3.08	0.958	ug/kg
B-14 (8-9)	L1941584-09	HEPTACHLOR EPOXIDE	9/18/2019		Y	N	U		U	3.08	0.924	ug/kg
B-14 (8-9)	L1941584-09	CIS-CHLORDANE	9/18/2019	10.9	Y	Y				2.05	0.572	ug/kg
B-14 (8-9)	L1941584-09	CHLORDANE	9/18/2019	79.6	Y	Y				13.3	5.44	ug/kg
B-14 (8-9)	L1941584-09	TRANS-CHLORDANE	9/18/2019	9.71	Y	Y				2.05	0.542	ug/kg
B-3 (4-5)	L1941584-15	METHOXYCHLOR	9/18/2019		Y	N	U		U	2.91	0.905	ug/kg
B-3 (4-5)	L1941584-15	ENDOSULFAN SULFATE	9/18/2019		Y	N	U		U	0.646	0.308	ug/kg
B-3 (4-5)	L1941584-15	4,4'-DDE	9/18/2019		Y	N	U		U	1.55	0.359	ug/kg
B-3 (4-5)	L1941584-15	ALPHA-BHC	9/18/2019		Y	N	U		U	0.646	0.184	ug/kg
B-3 (4-5)	L1941584-15	4,4'-DDD	9/18/2019		Y	N	U		U	1.55	0.553	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (4-5)	L1941584-15	ENDOSULFAN II	9/18/2019		Y	N	U		U	1.55	0.518	ug/kg
B-3 (4-5)	L1941584-15	ENDRIN	9/18/2019		Y	N	U		U	0.646	0.265	ug/kg
B-3 (4-5)	L1941584-15	BETA-BHC	9/18/2019		Y	N	U		U	1.55	0.588	ug/kg
B-3 (4-5)	L1941584-15	4,4'-DDT	9/18/2019		Y	N	U		U	2.91	1.25	ug/kg
B-3 (4-5)	L1941584-15	DELTA-BHC	9/18/2019		Y	N	U		U	1.55	0.304	ug/kg
B-3 (4-5)	L1941584-15	LINDANE	9/18/2019		Y	N	U		U	0.646	0.289	ug/kg
B-3 (4-5)	L1941584-15	ALDRIN	9/18/2019		Y	N	U		U	1.55	0.546	ug/kg
B-3 (4-5)	L1941584-15	HEPTACHLOR	9/18/2019		Y	N	U		U	0.775	0.348	ug/kg
B-3 (4-5)	L1941584-15	CHLORDANE	9/18/2019		Y	N	U		U	12.6	5.14	ug/kg
B-3 (4-5)	L1941584-15	HEPTACHLOR EPOXIDE	9/18/2019		Y	N	U		U	2.91	0.872	ug/kg
B-3 (4-5)	L1941584-15	ENDRIN ALDEHYDE	9/18/2019		Y	N	U		U	1.94	0.678	ug/kg
B-3 (4-5)	L1941584-15	ENDOSULFAN I	9/18/2019		Y	N	U		U	1.55	0.366	ug/kg
B-3 (4-5)	L1941584-15	ENDRIN KETONE	9/18/2019		Y	N	U		U	1.55	0.399	ug/kg
B-3 (4-5)	L1941584-15	CIS-CHLORDANE	9/18/2019		Y	N	U		U	1.94	0.540	ug/kg
B-3 (4-5)	L1941584-15	DIELDRIN	9/18/2019		Y	N	U		U	0.969	0.485	ug/kg
B-3 (4-5)	L1941584-15	TOXAPHENE	9/18/2019		Y	N	U		U	29.1	8.14	ug/kg
B-3 (4-5)	L1941584-15	TRANS-CHLORDANE	9/18/2019		Y	N	U		U	1.94	0.512	ug/kg
B-3 (6-7)	L1941584-16	METHOXYCHLOR	9/18/2019		Y	N	U	UJ	UJ	3.37	1.05	ug/kg
B-3 (6-7)	L1941584-16	TOXAPHENE	9/18/2019		Y	N	U		U	33.7	9.42	ug/kg
B-3 (6-7)	L1941584-16	CIS-CHLORDANE	9/18/2019		Y	N	U		U	2.24	0.625	ug/kg
B-3 (6-7)	L1941584-16	TRANS-CHLORDANE	9/18/2019		Y	N	U		U	2.24	0.592	ug/kg
B-3 (6-7)	L1941584-16	DELTA-BHC	9/18/2019		Y	N	U		U	1.80	0.352	ug/kg
B-3 (6-7)	L1941584-16	4,4'-DDD	9/18/2019		Y	N	U		U	1.80	0.640	ug/kg
B-3 (6-7)	L1941584-16	4,4'-DDE	9/18/2019		Y	N	U		U	1.80	0.415	ug/kg
B-3 (6-7)	L1941584-16	4,4'-DDT	9/18/2019		Y	N	U		U	3.37	1.44	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (6-7)	L1941584-16	ALDRIN	9/18/2019		Y	N	U		U	1.80	0.632	ug/kg
B-3 (6-7)	L1941584-16	ALPHA-BHC	9/18/2019		Y	N	U		U	0.748	0.212	ug/kg
B-3 (6-7)	L1941584-16	BETA-BHC	9/18/2019		Y	N	U		U	1.80	0.681	ug/kg
B-3 (6-7)	L1941584-16	HEPTACHLOR	9/18/2019		Y	N	U		U	0.898	0.402	ug/kg
B-3 (6-7)	L1941584-16	LINDANE	9/18/2019		Y	N	U		U	0.748	0.334	ug/kg
B-3 (6-7)	L1941584-16	ENDRIN ALDEHYDE	9/18/2019		Y	N	U		U	2.24	0.785	ug/kg
B-3 (6-7)	L1941584-16	DIELDRIN	9/18/2019		Y	N	U		U	1.12	0.561	ug/kg
B-3 (6-7)	L1941584-16	ENDOSULFAN I	9/18/2019		Y	N	U		U	1.80	0.424	ug/kg
B-3 (6-7)	L1941584-16	ENDOSULFAN II	9/18/2019		Y	N	U		U	1.80	0.600	ug/kg
B-3 (6-7)	L1941584-16	ENDOSULFAN SULFATE	9/18/2019		Y	N	U		U	0.748	0.356	ug/kg
B-3 (6-7)	L1941584-16	ENDRIN	9/18/2019		Y	N	U		U	0.748	0.307	ug/kg
B-3 (6-7)	L1941584-16	HEPTACHLOR EPOXIDE	9/18/2019		Y	N	U		U	3.37	1.01	ug/kg
B-3 (6-7)	L1941584-16	ENDRIN KETONE	9/18/2019		Y	N	U		U	1.80	0.462	ug/kg
B-3 (6-7)	L1941584-16	CHLORDANE	9/18/2019		Y	N	U		U	14.6	5.95	ug/kg
B-4 (4-5)	L1941584-04	TOXAPHENE	9/18/2019		Y	N	U		U	31.7	8.87	ug/kg
B-4 (4-5)	L1941584-04	ENDRIN ALDEHYDE	9/18/2019		Y	N	U		U	2.11	0.739	ug/kg
B-4 (4-5)	L1941584-04	ENDRIN KETONE	9/18/2019		Y	N	U		U	1.69	0.435	ug/kg
B-4 (4-5)	L1941584-04	ENDRIN	9/18/2019		Y	N	U		U	0.704	0.288	ug/kg
B-4 (4-5)	L1941584-04	HEPTACHLOR	9/18/2019		Y	N	U		U	0.844	0.379	ug/kg
B-4 (4-5)	L1941584-04	LINDANE	9/18/2019		Y	N	U		U	0.704	0.314	ug/kg
B-4 (4-5)	L1941584-04	4,4'-DDD	9/18/2019	156	Y	Y	E			1.69	0.602	ug/kg
B-4 (4-5)	L1941584-04	METHOXYCHLOR	9/18/2019		Y	N	U		U	3.17	0.985	ug/kg
B-4 (4-5)	L1941584-04	HEPTACHLOR EPOXIDE	9/18/2019		Y	N	U		U	3.17	0.950	ug/kg
B-4 (4-5)	L1941584-04	CHLORDANE	9/18/2019	499	Y	Y	P	J	J	13.7	5.59	ug/kg
B-4 (4-5)	L1941584-04	BETA-BHC	9/18/2019		Y	N	U		U	1.69	0.640	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (4-5)	L1941584-04	ENDOSULFAN II	9/18/2019		Y	N	U		U	1.69	0.564	ug/kg
B-4 (4-5)	L1941584-04	ALPHA-BHC	9/18/2019		Y	N	U		U	0.704	0.200	ug/kg
B-4 (4-5)	L1941584-04	ENDOSULFAN SULFATE	9/18/2019		Y	N	U		U	0.704	0.335	ug/kg
B-4 (4-5)	L1941584-04	DELTA-BHC	9/18/2019		Y	N	U		U	1.69	0.331	ug/kg
B-4 (4-5)	L1941584-04	ENDOSULFAN I	9/18/2019		Y	N	U		U	1.69	0.399	ug/kg
B-4 (4-5)	L1941584-04	4,4'-DDT	9/18/2019		Y	N	U		U	3.17	1.36	ug/kg
B-4 (4-5)	L1941584-04	ALDRIN	9/18/2019		Y	N	U		U	1.69	0.595	ug/kg
B-4 (4-5)	L1941584-04	TRANS-CHLORDANE	9/18/2019	22.2	Y	Y		J	J	2.11	0.557	ug/kg
B-4 (4-5)	L1941584-04	CIS-CHLORDANE	9/18/2019	28.6	Y	Y		J	J	2.11	0.588	ug/kg
B-4 (4-5)	L1941584-04	DIELDRIN	9/18/2019	23.4	Y	Y		J	J	1.06	0.528	ug/kg
B-4 (4-5)	L1941584-04	4,4'-DDE	9/18/2019	41.7	Y	Y		J	J	1.69	0.390	ug/kg
B-4 (4-5)	L1941584-04	4,4'-DDD	9/18/2019	173	Y	Y				3.38	1.20	ug/kg
B-4 (7-8)	L1941584-05	TRANS-CHLORDANE	9/18/2019		Y	N	U		U	2.16	0.572	ug/kg
B-4 (7-8)	L1941584-05	CIS-CHLORDANE	9/18/2019		Y	N	U		U	2.16	0.604	ug/kg
B-4 (7-8)	L1941584-05	DIELDRIN	9/18/2019	0.970	Y	Y	J		J	1.08	0.541	ug/kg
B-4 (7-8)	L1941584-05	ALPHA-BHC	9/18/2019		Y	N	U		U	0.722	0.205	ug/kg
B-4 (7-8)	L1941584-05	ALDRIN	9/18/2019		Y	N	U		U	1.73	0.610	ug/kg
B-4 (7-8)	L1941584-05	4,4'-DDT	9/18/2019	1.53	Y	Y	J		J	3.25	1.39	ug/kg
B-4 (7-8)	L1941584-05	METHOXYCHLOR	9/18/2019		Y	N	U	UJ	UJ	3.25	1.01	ug/kg
B-4 (7-8)	L1941584-05	ENDOSULFAN II	9/18/2019		Y	N	U		U	1.73	0.579	ug/kg
B-4 (7-8)	L1941584-05	DELTA-BHC	9/18/2019		Y	N	U		U	1.73	0.339	ug/kg
B-4 (7-8)	L1941584-05	BETA-BHC	9/18/2019		Y	N	U		U	1.73	0.657	ug/kg
B-4 (7-8)	L1941584-05	TOXAPHENE	9/18/2019		Y	N	U		U	32.5	9.10	ug/kg
B-4 (7-8)	L1941584-05	ENDOSULFAN I	9/18/2019		Y	N	U		U	1.73	0.409	ug/kg
B-4 (7-8)	L1941584-05	LINDANE	9/18/2019		Y	N	U		U	0.722	0.323	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (7-8)	L1941584-05	4,4'-DDE	9/18/2019	0.650	Y	Y	JIP	J	J	1.73	0.401	ug/kg
B-4 (7-8)	L1941584-05	HEPTACHLOR EPOXIDE	9/18/2019		Y	N	U		U	3.25	0.974	ug/kg
B-4 (7-8)	L1941584-05	HEPTACHLOR	9/18/2019		Y	N	U		U	0.866	0.388	ug/kg
B-4 (7-8)	L1941584-05	ENDRIN KETONE	9/18/2019		Y	N	U		U	1.73	0.446	ug/kg
B-4 (7-8)	L1941584-05	ENDRIN ALDEHYDE	9/18/2019		Y	N	U		U	2.16	0.758	ug/kg
B-4 (7-8)	L1941584-05	ENDRIN	9/18/2019		Y	N	U		U	0.722	0.296	ug/kg
B-4 (7-8)	L1941584-05	ENDOSULFAN SULFATE	9/18/2019		Y	N	U		U	0.722	0.344	ug/kg
B-4 (7-8)	L1941584-05	CHLORDANE	9/18/2019		Y	N	U		U	14.1	5.74	ug/kg
B-4 (7-8)	L1941584-05	4,4'-DDD	9/18/2019	5.58	Y	Y				1.73	0.618	ug/kg
B-8 (4-5)	L1941584-13	METHOXYCHLOR	9/18/2019		Y	N	U	UJ	UJ	3.14	0.976	ug/kg
B-8 (4-5)	L1941584-13	ENDRIN KETONE	9/18/2019		Y	N	U		U	1.67	0.431	ug/kg
B-8 (4-5)	L1941584-13	HEPTACHLOR	9/18/2019		Y	N	U		U	0.836	0.375	ug/kg
B-8 (4-5)	L1941584-13	HEPTACHLOR EPOXIDE	9/18/2019		Y	N	U		U	3.14	0.941	ug/kg
B-8 (4-5)	L1941584-13	LINDANE	9/18/2019		Y	N	U		U	0.697	0.311	ug/kg
B-8 (4-5)	L1941584-13	TOXAPHENE	9/18/2019		Y	N	U		U	31.4	8.78	ug/kg
B-8 (4-5)	L1941584-13	CIS-CHLORDANE	9/18/2019		Y	N	U		U	2.09	0.582	ug/kg
B-8 (4-5)	L1941584-13	TRANS-CHLORDANE	9/18/2019		Y	N	U		U	2.09	0.552	ug/kg
B-8 (4-5)	L1941584-13	ALDRIN	9/18/2019		Y	N	U		U	1.67	0.589	ug/kg
B-8 (4-5)	L1941584-13	4,4'-DDD	9/18/2019		Y	N	U		U	1.67	0.596	ug/kg
B-8 (4-5)	L1941584-13	4,4'-DDE	9/18/2019		Y	N	U		U	1.67	0.387	ug/kg
B-8 (4-5)	L1941584-13	4,4'-DDT	9/18/2019		Y	N	U		U	3.14	1.34	ug/kg
B-8 (4-5)	L1941584-13	ALPHA-BHC	9/18/2019		Y	N	U		U	0.697	0.198	ug/kg
B-8 (4-5)	L1941584-13	ENDRIN ALDEHYDE	9/18/2019		Y	N	U		U	2.09	0.732	ug/kg
B-8 (4-5)	L1941584-13	BETA-BHC	9/18/2019		Y	N	U		U	1.67	0.634	ug/kg
B-8 (4-5)	L1941584-13	CHLORDANE	9/18/2019		Y	N	U		U	13.6	5.54	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (4-5)	L1941584-13	DELTA-BHC	9/18/2019		Y	N	U		U	1.67	0.328	ug/kg
B-8 (4-5)	L1941584-13	DIELDRIN	9/18/2019		Y	N	U		U	1.04	0.523	ug/kg
B-8 (4-5)	L1941584-13	ENDRIN	9/18/2019		Y	N	U		U	0.697	0.286	ug/kg
B-8 (4-5)	L1941584-13	ENDOSULFAN I	9/18/2019		Y	N	U		U	1.67	0.395	ug/kg
B-8 (4-5)	L1941584-13	ENDOSULFAN SULFATE	9/18/2019		Y	N	U		U	0.697	0.332	ug/kg
B-8 (4-5)	L1941584-13	ENDOSULFAN II	9/18/2019		Y	N	U		U	1.67	0.559	ug/kg
B-8 (5-6)	L1941584-14	METHOXYCHLOR	9/18/2019		Y	N	U		U	3.30	1.03	ug/kg
B-8 (5-6)	L1941584-14	LINDANE	9/18/2019		Y	N	U		U	0.734	0.328	ug/kg
B-8 (5-6)	L1941584-14	ENDRIN ALDEHYDE	9/18/2019		Y	N	U		U	2.20	0.771	ug/kg
B-8 (5-6)	L1941584-14	ENDOSULFAN II	9/18/2019		Y	N	U		U	1.76	0.589	ug/kg
B-8 (5-6)	L1941584-14	ENDOSULFAN SULFATE	9/18/2019		Y	N	U		U	0.734	0.350	ug/kg
B-8 (5-6)	L1941584-14	TRANS-CHLORDANE	9/18/2019		Y	N	U		U	2.20	0.582	ug/kg
B-8 (5-6)	L1941584-14	HEPTACHLOR	9/18/2019		Y	N	U		U	0.881	0.395	ug/kg
B-8 (5-6)	L1941584-14	TOXAPHENE	9/18/2019		Y	N	U		U	33.0	9.25	ug/kg
B-8 (5-6)	L1941584-14	ENDRIN KETONE	9/18/2019		Y	N	U		U	1.76	0.454	ug/kg
B-8 (5-6)	L1941584-14	HEPTACHLOR EPOXIDE	9/18/2019		Y	N	U		U	3.30	0.991	ug/kg
B-8 (5-6)	L1941584-14	DIELDRIN	9/18/2019		Y	N	U		U	1.10	0.551	ug/kg
B-8 (5-6)	L1941584-14	DELTA-BHC	9/18/2019		Y	N	U		U	1.76	0.345	ug/kg
B-8 (5-6)	L1941584-14	CIS-CHLORDANE	9/18/2019		Y	N	U		U	2.20	0.614	ug/kg
B-8 (5-6)	L1941584-14	CHLORDANE	9/18/2019		Y	N	U		U	14.3	5.84	ug/kg
B-8 (5-6)	L1941584-14	ENDRIN	9/18/2019		Y	N	U		U	0.734	0.301	ug/kg
B-8 (5-6)	L1941584-14	4,4'-DDD	9/18/2019		Y	N	U		U	1.76	0.629	ug/kg
B-8 (5-6)	L1941584-14	4,4'-DDE	9/18/2019		Y	N	U		U	1.76	0.408	ug/kg
B-8 (5-6)	L1941584-14	4,4'-DDT	9/18/2019		Y	N	U		U	3.30	1.42	ug/kg
B-8 (5-6)	L1941584-14	ALDRIN	9/18/2019		Y	N	U		U	1.76	0.620	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (5-6)	L1941584-14	ALPHA-BHC	9/18/2019		Y	N	U		U	0.734	0.208	ug/kg
B-8 (5-6)	L1941584-14	BETA-BHC	9/18/2019		Y	N	U		U	1.76	0.668	ug/kg
B-8 (5-6)	L1941584-14	ENDOSULFAN I	9/18/2019		Y	N	U		U	1.76	0.416	ug/kg
B-9 (3-4)	L1941584-07	ALDRIN	9/18/2019		Y	N	U		U	1.73	0.611	ug/kg
B-9 (3-4)	L1941584-07	TRANS-CHLORDANE	9/18/2019	199	Y	Y	E			2.17	0.572	ug/kg
B-9 (3-4)	L1941584-07	HEPTACHLOR EPOXIDE	9/18/2019	4.65	Y	Y	IP	J	J	3.25	0.976	ug/kg
B-9 (3-4)	L1941584-07	ALPHA-BHC	9/18/2019		Y	N	U		U	0.723	0.205	ug/kg
B-9 (3-4)	L1941584-07	CIS-CHLORDANE	9/18/2019	186	Y	Y	IPE	J	J	2.17	0.604	ug/kg
B-9 (3-4)	L1941584-07	4,4'-DDT	9/18/2019		Y	N	U		U	3.25	1.40	ug/kg
B-9 (3-4)	L1941584-07	ENDRIN ALDEHYDE	9/18/2019		Y	N	U		U	2.17	0.759	ug/kg
B-9 (3-4)	L1941584-07	TOXAPHENE	9/18/2019		Y	N	U		U	32.5	9.11	ug/kg
B-9 (3-4)	L1941584-07	LINDANE	9/18/2019		Y	N	U		U	0.723	0.323	ug/kg
B-9 (3-4)	L1941584-07	ENDRIN KETONE	9/18/2019		Y	N	U		U	1.73	0.447	ug/kg
B-9 (3-4)	L1941584-07	ENDRIN	9/18/2019		Y	N	U		U	0.723	0.296	ug/kg
B-9 (3-4)	L1941584-07	METHOXYCHLOR	9/18/2019		Y	N	U		U	3.25	1.01	ug/kg
B-9 (3-4)	L1941584-07	ENDOSULFAN SULFATE	9/18/2019		Y	N	U		U	0.723	0.344	ug/kg
B-9 (3-4)	L1941584-07	ENDOSULFAN II	9/18/2019		Y	N	U		U	1.73	0.580	ug/kg
B-9 (3-4)	L1941584-07	ENDOSULFAN I	9/18/2019		Y	N	U		U	1.73	0.410	ug/kg
B-9 (3-4)	L1941584-07	DIELDRIN	9/18/2019		Y	N	U		U	1.08	0.542	ug/kg
B-9 (3-4)	L1941584-07	DELTA-BHC	9/18/2019		Y	N	U		U	1.73	0.340	ug/kg
B-9 (3-4)	L1941584-07	BETA-BHC	9/18/2019		Y	N	U		U	1.73	0.658	ug/kg
B-9 (3-4)	L1941584-07	HEPTACHLOR	9/18/2019		Y	N	U		U	0.867	0.389	ug/kg
B-9 (3-4)	L1941584-07	4,4'-DDD	9/18/2019	18.3	Y	Y				1.73	0.619	ug/kg
B-9 (3-4)	L1941584-07	CHLORDANE	9/18/2019	1960	Y	Y				14.1	5.75	ug/kg
B-9 (3-4)	L1941584-07	4,4'-DDE	9/18/2019	6.47	Y	Y				1.73	0.401	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (3-4)	L1941584-07	CIS-CHLORDANE	9/18/2019	281	Y	Y	IP	J	J	10.8	3.02	ug/kg
B-9 (3-4)	L1941584-07	TRANS-CHLORDANE	9/18/2019	289	Y	Y				10.8	2.86	ug/kg
B-9 (6-7)	L1941584-08	LINDANE	9/18/2019		Y	N	U		U	0.694	0.310	ug/kg
B-9 (6-7)	L1941584-08	HEPTACHLOR EPOXIDE	9/18/2019		Y	N	U		U	3.12	0.937	ug/kg
B-9 (6-7)	L1941584-08	4,4'-DDT	9/18/2019		Y	N	U		U	3.12	1.34	ug/kg
B-9 (6-7)	L1941584-08	ALDRIN	9/18/2019		Y	N	U		U	1.66	0.586	ug/kg
B-9 (6-7)	L1941584-08	ENDRIN ALDEHYDE	9/18/2019		Y	N	U		U	2.08	0.729	ug/kg
B-9 (6-7)	L1941584-08	ENDRIN KETONE	9/18/2019		Y	N	U		U	1.66	0.429	ug/kg
B-9 (6-7)	L1941584-08	DELTA-BHC	9/18/2019		Y	N	U		U	1.66	0.326	ug/kg
B-9 (6-7)	L1941584-08	ENDRIN	9/18/2019		Y	N	U		U	0.694	0.284	ug/kg
B-9 (6-7)	L1941584-08	ENDOSULFAN SULFATE	9/18/2019		Y	N	U		U	0.694	0.330	ug/kg
B-9 (6-7)	L1941584-08	ENDOSULFAN II	9/18/2019		Y	N	U		U	1.66	0.557	ug/kg
B-9 (6-7)	L1941584-08	ENDOSULFAN I	9/18/2019		Y	N	U		U	1.66	0.394	ug/kg
B-9 (6-7)	L1941584-08	HEPTACHLOR	9/18/2019		Y	N	U		U	0.833	0.373	ug/kg
B-9 (6-7)	L1941584-08	DIELDRIN	9/18/2019		Y	N	U		U	1.04	0.520	ug/kg
B-9 (6-7)	L1941584-08	4,4'-DDE	9/18/2019	1.36	Y	Y	J		J	1.66	0.385	ug/kg
B-9 (6-7)	L1941584-08	CHLORDANE	9/18/2019		Y	N	U		U	13.5	5.52	ug/kg
B-9 (6-7)	L1941584-08	BETA-BHC	9/18/2019		Y	N	U		U	1.66	0.632	ug/kg
B-9 (6-7)	L1941584-08	TRANS-CHLORDANE	9/18/2019		Y	N	U		U	2.08	0.550	ug/kg
B-9 (6-7)	L1941584-08	CIS-CHLORDANE	9/18/2019		Y	N	U		U	2.08	0.580	ug/kg
B-9 (6-7)	L1941584-08	TOXAPHENE	9/18/2019		Y	N	U		U	31.2	8.74	ug/kg
B-9 (6-7)	L1941584-08	ALPHA-BHC	9/18/2019		Y	N	U		U	0.694	0.197	ug/kg
B-9 (6-7)	L1941584-08	METHOXYCHLOR	9/18/2019		Y	N	U	UJ	UJ	3.12	0.972	ug/kg
B-9 (6-7)	L1941584-08	4,4'-DDD	9/18/2019	4.85	Y	Y				1.66	0.594	ug/kg
DUP	L1941584-17	4,4'-DDT	9/18/2019	1.91	Y	Y	J		J	3.17	1.36	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP	L1941584-17	4,4'-DDE	9/18/2019	1.04	Y	Y	P	J	J	1.69	0.391	ug/kg
DUP	L1941584-17	BETA-BHC	9/18/2019		Y	N	U		U	1.69	0.641	ug/kg
DUP	L1941584-17	ALPHA-BHC	9/18/2019		Y	N	U		U	0.704	0.200	ug/kg
DUP	L1941584-17	CHLORDANE	9/18/2019		Y	N	U		U	13.7	5.60	ug/kg
DUP	L1941584-17	DELTA-BHC	9/18/2019		Y	N	U		U	1.69	0.331	ug/kg
DUP	L1941584-17	DIELDRIN	9/18/2019		Y	N	U		U	1.06	0.528	ug/kg
DUP	L1941584-17	ENDOSULFAN I	9/18/2019		Y	N	U		U	1.69	0.399	ug/kg
DUP	L1941584-17	ENDOSULFAN II	9/18/2019		Y	N	U		U	1.69	0.565	ug/kg
DUP	L1941584-17	ENDOSULFAN SULFATE	9/18/2019		Y	N	U		U	0.704	0.335	ug/kg
DUP	L1941584-17	ENDRIN	9/18/2019		Y	N	U		U	0.704	0.289	ug/kg
DUP	L1941584-17	ENDRIN ALDEHYDE	9/18/2019		Y	N	U		U	2.11	0.739	ug/kg
DUP	L1941584-17	ENDRIN KETONE	9/18/2019		Y	N	U		U	1.69	0.435	ug/kg
DUP	L1941584-17	TRANS-CHLORDANE	9/18/2019		Y	N	U		U	2.11	0.558	ug/kg
DUP	L1941584-17	CIS-CHLORDANE	9/18/2019		Y	N	U		U	2.11	0.588	ug/kg
DUP	L1941584-17	METHOXYCHLOR	9/18/2019		Y	N	U		U	3.17	0.986	ug/kg
DUP	L1941584-17	TOXAPHENE	9/18/2019		Y	N	U		U	31.7	8.87	ug/kg
DUP	L1941584-17	LINDANE	9/18/2019		Y	N	U		U	0.704	0.315	ug/kg
DUP	L1941584-17	HEPTACHLOR EPOXIDE	9/18/2019		Y	N	U		U	3.17	0.950	ug/kg
DUP	L1941584-17	HEPTACHLOR	9/18/2019		Y	N	U		U	0.845	0.379	ug/kg
DUP	L1941584-17	ALDRIN	9/18/2019		Y	N	U		U	1.69	0.595	ug/kg
DUP	L1941584-17	4,4'-DDD	9/18/2019		Y	N	U		U	1.69	0.603	ug/kg
WC-A-3 (0-5)	L1941584-01	4,4'-DDT	9/18/2019	1.66	Y	Y	JIP	J	J	3.44	1.48	ug/kg
WC-A-3 (0-5)	L1941584-01	ENDRIN ALDEHYDE	9/18/2019		Y	N	U		U	2.30	0.804	ug/kg
WC-A-3 (0-5)	L1941584-01	ENDRIN	9/18/2019		Y	N	U		U	0.765	0.314	ug/kg
WC-A-3 (0-5)	L1941584-01	ENDOSULFAN SULFATE	9/18/2019		Y	N	U		U	0.765	0.364	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-3 (0-5)	L1941584-01	ENDRIN KETONE	9/18/2019		Y	N	U		U	1.84	0.473	ug/kg
WC-A-3 (0-5)	L1941584-01	TRANS-CHLORDANE	9/18/2019	4.89	Y	Y	IP	J	J	2.30	0.606	ug/kg
WC-A-3 (0-5)	L1941584-01	TOXAPHENE	9/18/2019		Y	N	U		U	34.4	9.64	ug/kg
WC-A-3 (0-5)	L1941584-01	HEPTACHLOR	9/18/2019		Y	N	U		U	0.918	0.412	ug/kg
WC-A-3 (0-5)	L1941584-01	HEPTACHLOR EPOXIDE	9/18/2019		Y	N	U		U	3.44	1.03	ug/kg
WC-A-3 (0-5)	L1941584-01	LINDANE	9/18/2019		Y	N	U		U	0.765	0.342	ug/kg
WC-A-3 (0-5)	L1941584-01	ALDRIN	9/18/2019		Y	N	U		U	1.84	0.647	ug/kg
WC-A-3 (0-5)	L1941584-01	ALPHA-BHC	9/18/2019		Y	N	U		U	0.765	0.217	ug/kg
WC-A-3 (0-5)	L1941584-01	ENDOSULFAN I	9/18/2019		Y	N	U		U	1.84	0.434	ug/kg
WC-A-3 (0-5)	L1941584-01	BETA-BHC	9/18/2019		Y	N	U		U	1.84	0.696	ug/kg
WC-A-3 (0-5)	L1941584-01	DELTA-BHC	9/18/2019		Y	N	U		U	1.84	0.360	ug/kg
WC-A-3 (0-5)	L1941584-01	4,4'-DDE	9/18/2019	0.851	Y	Y	J		J	1.84	0.425	ug/kg
WC-A-3 (0-5)	L1941584-01	4,4'-DDD	9/18/2019	1.25	Y	Y	J		J	1.84	0.655	ug/kg
WC-A-3 (0-5)	L1941584-01	ENDOSULFAN II	9/18/2019		Y	N	U		U	1.84	0.614	ug/kg
WC-A-3 (0-5)	L1941584-01	DIELDRIN	9/18/2019	1.29	Y	Y				1.15	0.574	ug/kg
WC-A-3 (0-5)	L1941584-01	CIS-CHLORDANE	9/18/2019	7.17	Y	Y				2.30	0.640	ug/kg
WC-A-3 (0-5)	L1941584-01	CHLORDANE	9/18/2019	76.0	Y	Y				14.9	6.08	ug/kg
WC-A-3 (0-5)	L1941584-01	METHOXYCHLOR	9/18/2019		Y	N	U		U	3.44	1.07	ug/kg
WC-A-4 (0-6)	L1941584-02	DELTA-BHC	9/18/2019		Y	N	U		U	1.75	0.343	ug/kg
WC-A-4 (0-6)	L1941584-02	4,4'-DDE	9/18/2019		Y	N	U		U	1.75	0.406	ug/kg
WC-A-4 (0-6)	L1941584-02	BETA-BHC	9/18/2019		Y	N	U		U	1.75	0.665	ug/kg
WC-A-4 (0-6)	L1941584-02	ALPHA-BHC	9/18/2019		Y	N	U		U	0.731	0.208	ug/kg
WC-A-4 (0-6)	L1941584-02	ALDRIN	9/18/2019		Y	N	U		U	1.75	0.618	ug/kg
WC-A-4 (0-6)	L1941584-02	ENDOSULFAN SULFATE	9/18/2019		Y	N	U		U	0.731	0.348	ug/kg
WC-A-4 (0-6)	L1941584-02	4,4'-DDD	9/18/2019		Y	N	U		U	1.75	0.626	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-4 (0-6)	L1941584-02	DIELDRIN	9/18/2019		Y	N	U		U	1.10	0.548	ug/kg
WC-A-4 (0-6)	L1941584-02	ENDOSULFAN I	9/18/2019		Y	N	U		U	1.75	0.414	ug/kg
WC-A-4 (0-6)	L1941584-02	ENDOSULFAN II	9/18/2019		Y	N	U		U	1.75	0.586	ug/kg
WC-A-4 (0-6)	L1941584-02	4,4'-DDT	9/18/2019	5.33	Y	Y	IP	J	J	3.29	1.41	ug/kg
WC-A-4 (0-6)	L1941584-02	ENDRIN ALDEHYDE	9/18/2019		Y	N	U		U	2.19	0.767	ug/kg
WC-A-4 (0-6)	L1941584-02	ENDRIN KETONE	9/18/2019		Y	N	U		U	1.75	0.452	ug/kg
WC-A-4 (0-6)	L1941584-02	HEPTACHLOR	9/18/2019		Y	N	U		U	0.877	0.393	ug/kg
WC-A-4 (0-6)	L1941584-02	ENDRIN	9/18/2019		Y	N	U		U	0.731	0.300	ug/kg
WC-A-4 (0-6)	L1941584-02	TOXAPHENE	9/18/2019		Y	N	U		U	32.9	9.21	ug/kg
WC-A-4 (0-6)	L1941584-02	LINDANE	9/18/2019		Y	N	U		U	0.731	0.327	ug/kg
WC-A-4 (0-6)	L1941584-02	HEPTACHLOR EPOXIDE	9/18/2019		Y	N	U		U	3.29	0.986	ug/kg
WC-A-4 (0-6)	L1941584-02	CHLORDANE	9/18/2019	142	Y	Y		J	J	14.2	5.81	ug/kg
WC-A-4 (0-6)	L1941584-02	CIS-CHLORDANE	9/18/2019	17.8	Y	Y		J	J	2.19	0.611	ug/kg
WC-A-4 (0-6)	L1941584-02	TRANS-CHLORDANE	9/18/2019	14.9	Y	Y		J	J	2.19	0.579	ug/kg
WC-A-4 (0-6)	L1941584-02	METHOXYCHLOR	9/18/2019		Y	N	U		U	3.29	1.02	ug/kg
WC-B-3 (0-5)	L1941584-06	ENDRIN	9/18/2019		Y	N	U		U	0.706	0.290	ug/kg
WC-B-3 (0-5)	L1941584-06	4,4'-DDT	9/18/2019	1.60	Y	Y	J		J	3.18	1.36	ug/kg
WC-B-3 (0-5)	L1941584-06	ALDRIN	9/18/2019		Y	N	U		U	1.69	0.597	ug/kg
WC-B-3 (0-5)	L1941584-06	ALPHA-BHC	9/18/2019		Y	N	U		U	0.706	0.200	ug/kg
WC-B-3 (0-5)	L1941584-06	BETA-BHC	9/18/2019		Y	N	U		U	1.69	0.642	ug/kg
WC-B-3 (0-5)	L1941584-06	CHLORDANE	9/18/2019		Y	N	U		U	13.8	5.61	ug/kg
WC-B-3 (0-5)	L1941584-06	DELTA-BHC	9/18/2019		Y	N	U		U	1.69	0.332	ug/kg
WC-B-3 (0-5)	L1941584-06	ENDOSULFAN I	9/18/2019		Y	N	U		U	1.69	0.400	ug/kg
WC-B-3 (0-5)	L1941584-06	CIS-CHLORDANE	9/18/2019	2.68	Y	Y	IP	J	J	2.12	0.590	ug/kg
WC-B-3 (0-5)	L1941584-06	ENDOSULFAN SULFATE	9/18/2019		Y	N	U		U	0.706	0.336	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B-3 (0-5)	L1941584-06	DIELDRIN	9/18/2019	0.546	Y	Y	J		J	1.06	0.530	ug/kg
WC-B-3 (0-5)	L1941584-06	ENDRIN ALDEHYDE	9/18/2019		Y	N	U		U	2.12	0.741	ug/kg
WC-B-3 (0-5)	L1941584-06	ENDRIN KETONE	9/18/2019		Y	N	U		U	1.69	0.436	ug/kg
WC-B-3 (0-5)	L1941584-06	HEPTACHLOR	9/18/2019		Y	N	U		U	0.847	0.380	ug/kg
WC-B-3 (0-5)	L1941584-06	HEPTACHLOR EPOXIDE	9/18/2019		Y	N	U		U	3.18	0.953	ug/kg
WC-B-3 (0-5)	L1941584-06	LINDANE	9/18/2019		Y	N	U		U	0.706	0.316	ug/kg
WC-B-3 (0-5)	L1941584-06	TOXAPHENE	9/18/2019		Y	N	U		U	31.8	8.90	ug/kg
WC-B-3 (0-5)	L1941584-06	ENDOSULFAN II	9/18/2019		Y	N	U		U	1.69	0.566	ug/kg
WC-B-3 (0-5)	L1941584-06	4,4'-DDD	9/18/2019		Y	N	U		U	1.69	0.604	ug/kg
WC-B-3 (0-5)	L1941584-06	4,4'-DDE	9/18/2019		Y	N	U		U	1.69	0.392	ug/kg
WC-B-3 (0-5)	L1941584-06	TRANS-CHLORDANE	9/18/2019	3.86	Y	Y				2.12	0.559	ug/kg
WC-B-3 (0-5)	L1941584-06	METHOXYCHLOR	9/18/2019		Y	N	U		U	3.18	0.988	ug/kg
WC-B-4 (0-5)	L1941584-03	LINDANE	9/18/2019		Y	N	U		U	0.728	0.325	ug/kg
WC-B-4 (0-5)	L1941584-03	BETA-BHC	9/18/2019		Y	N	U		U	1.75	0.662	ug/kg
WC-B-4 (0-5)	L1941584-03	ENDRIN	9/18/2019		Y	N	U		U	0.728	0.298	ug/kg
WC-B-4 (0-5)	L1941584-03	ENDRIN ALDEHYDE	9/18/2019		Y	N	U		U	2.18	0.764	ug/kg
WC-B-4 (0-5)	L1941584-03	ENDRIN KETONE	9/18/2019		Y	N	U		U	1.75	0.450	ug/kg
WC-B-4 (0-5)	L1941584-03	HEPTACHLOR	9/18/2019		Y	N	U		U	0.873	0.392	ug/kg
WC-B-4 (0-5)	L1941584-03	ALPHA-BHC	9/18/2019		Y	N	U		U	0.728	0.207	ug/kg
WC-B-4 (0-5)	L1941584-03	HEPTACHLOR EPOXIDE	9/18/2019		Y	N	U		U	3.27	0.982	ug/kg
WC-B-4 (0-5)	L1941584-03	TOXAPHENE	9/18/2019		Y	N	U		U	32.7	9.17	ug/kg
WC-B-4 (0-5)	L1941584-03	ALDRIN	9/18/2019		Y	N	U		U	1.75	0.615	ug/kg
WC-B-4 (0-5)	L1941584-03	ENDOSULFAN SULFATE	9/18/2019		Y	N	U		U	0.728	0.346	ug/kg
WC-B-4 (0-5)	L1941584-03	ENDOSULFAN II	9/18/2019		Y	N	U		U	1.75	0.584	ug/kg
WC-B-4 (0-5)	L1941584-03	ENDOSULFAN I	9/18/2019		Y	N	U		U	1.75	0.413	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B-4 (0-5)	L1941584-03	DELTA-BHC	9/18/2019		Y	N	U		U	1.75	0.342	ug/kg
WC-B-4 (0-5)	L1941584-03	TRANS-CHLORDANE	9/18/2019	3.81	Y	Y	IP	J	J	2.18	0.576	ug/kg
WC-B-4 (0-5)	L1941584-03	METHOXYCHLOR	9/18/2019		Y	N	U		U	3.27	1.02	ug/kg
WC-B-4 (0-5)	L1941584-03	4,4'-DDE	9/18/2019	2.98	Y	Y				1.75	0.404	ug/kg
WC-B-4 (0-5)	L1941584-03	4,4'-DDD	9/18/2019	1.96	Y	Y				1.75	0.623	ug/kg
WC-B-4 (0-5)	L1941584-03	4,4'-DDT	9/18/2019	8.03	Y	Y				3.27	1.40	ug/kg
WC-B-4 (0-5)	L1941584-03	CIS-CHLORDANE	9/18/2019	6.78	Y	Y				2.18	0.608	ug/kg
WC-B-4 (0-5)	L1941584-03	CHLORDANE	9/18/2019	75.3	Y	Y				14.2	5.78	ug/kg
WC-B-4 (0-5)	L1941584-03	DIELDRIN	9/18/2019	10.2	Y	Y				1.09	0.546	ug/kg

Analytical Method SW8082A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (3-4)	L1941584-11	AROCLOR 1254	9/17/2019		Y	N	U		U	34.4	3.76	ug/kg
B-13 (3-4)	L1941584-11	PCBS, TOTAL	9/17/2019	17.3	Y	Y	J		J	34.4	3.06	ug/kg
B-13 (3-4)	L1941584-11	AROCLOR 1268	9/17/2019		Y	N	U		U	34.4	3.56	ug/kg
B-13 (3-4)	L1941584-11	AROCLOR 1016	9/17/2019		Y	N	U		U	34.4	3.06	ug/kg
B-13 (3-4)	L1941584-11	AROCLOR 1260	9/17/2019	17.3	Y	Y	J		J	34.4	6.36	ug/kg
B-13 (3-4)	L1941584-11	AROCLOR 1248	9/17/2019		Y	N	U		U	34.4	5.16	ug/kg
B-13 (3-4)	L1941584-11	AROCLOR 1242	9/17/2019		Y	N	U		U	34.4	4.64	ug/kg
B-13 (3-4)	L1941584-11	AROCLOR 1232	9/17/2019		Y	N	U		U	34.4	7.29	ug/kg
B-13 (3-4)	L1941584-11	AROCLOR 1221	9/17/2019		Y	N	U		U	34.4	3.45	ug/kg
B-13 (3-4)	L1941584-11	AROCLOR 1262	9/17/2019		Y	N	U		U	34.4	4.37	ug/kg
B-13 (6-7)	L1941584-12	AROCLOR 1016	9/17/2019		Y	N	U		U	34.6	3.07	ug/kg
B-13 (6-7)	L1941584-12	AROCLOR 1260	9/17/2019		Y	N	U		U	34.6	6.39	ug/kg
B-13 (6-7)	L1941584-12	PCBS, TOTAL	9/17/2019		Y	N	U		U	34.6	3.07	ug/kg

Analytical Method SW8082A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (6-7)	L1941584-12	AROCLOR 1268	9/17/2019		Y	N	U		U	34.6	3.58	ug/kg
B-13 (6-7)	L1941584-12	AROCLOR 1262	9/17/2019		Y	N	U		U	34.6	4.39	ug/kg
B-13 (6-7)	L1941584-12	AROCLOR 1248	9/17/2019		Y	N	U		U	34.6	5.19	ug/kg
B-13 (6-7)	L1941584-12	AROCLOR 1242	9/17/2019		Y	N	U		U	34.6	4.66	ug/kg
B-13 (6-7)	L1941584-12	AROCLOR 1232	9/17/2019		Y	N	U		U	34.6	7.33	ug/kg
B-13 (6-7)	L1941584-12	AROCLOR 1221	9/17/2019		Y	N	U		U	34.6	3.47	ug/kg
B-13 (6-7)	L1941584-12	AROCLOR 1254	9/17/2019		Y	N	U		U	34.6	3.78	ug/kg
B-14 (2-3)	L1941584-10	AROCLOR 1221	9/17/2019		Y	N	U		U	34.6	3.47	ug/kg
B-14 (2-3)	L1941584-10	AROCLOR 1016	9/17/2019		Y	N	U		U	34.6	3.08	ug/kg
B-14 (2-3)	L1941584-10	AROCLOR 1260	9/17/2019	11.9	Y	Y	J		J	34.6	6.40	ug/kg
B-14 (2-3)	L1941584-10	AROCLOR 1248	9/17/2019		Y	N	U		U	34.6	5.20	ug/kg
B-14 (2-3)	L1941584-10	AROCLOR 1254	9/17/2019		Y	N	U		U	34.6	3.79	ug/kg
B-14 (2-3)	L1941584-10	AROCLOR 1262	9/17/2019		Y	N	U		U	34.6	4.40	ug/kg
B-14 (2-3)	L1941584-10	AROCLOR 1232	9/17/2019		Y	N	U		U	34.6	7.35	ug/kg
B-14 (2-3)	L1941584-10	AROCLOR 1242	9/17/2019		Y	N	U		U	34.6	4.67	ug/kg
B-14 (2-3)	L1941584-10	AROCLOR 1268	9/17/2019		Y	N	U		U	34.6	3.59	ug/kg
B-14 (2-3)	L1941584-10	PCBS, TOTAL	9/17/2019	11.9	Y	Y	J		J	34.6	3.08	ug/kg
B-14 (8-9)	L1941584-09	AROCLOR 1221	9/17/2019		Y	N	U		U	34.9	3.50	ug/kg
B-14 (8-9)	L1941584-09	AROCLOR 1260	9/17/2019		Y	N	U		U	34.9	6.45	ug/kg
B-14 (8-9)	L1941584-09	AROCLOR 1268	9/17/2019		Y	N	U		U	34.9	3.62	ug/kg
B-14 (8-9)	L1941584-09	AROCLOR 1232	9/17/2019		Y	N	U		U	34.9	7.40	ug/kg
B-14 (8-9)	L1941584-09	AROCLOR 1248	9/17/2019		Y	N	U		U	34.9	5.23	ug/kg
B-14 (8-9)	L1941584-09	AROCLOR 1016	9/17/2019		Y	N	U		U	34.9	3.10	ug/kg
B-14 (8-9)	L1941584-09	AROCLOR 1262	9/17/2019		Y	N	U		U	34.9	4.43	ug/kg
B-14 (8-9)	L1941584-09	AROCLOR 1254	9/17/2019		Y	N	U		U	34.9	3.82	ug/kg

Analytical Method SW8082A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-14 (8-9)	L1941584-09	AROCLOR 1242	9/17/2019		Y	N	U		U	34.9	4.70	ug/kg
B-14 (8-9)	L1941584-09	PCBS, TOTAL	9/17/2019		Y	N	U		U	34.9	3.10	ug/kg
B-3 (4-5)	L1941584-15	AROCLOR 1260	9/17/2019		Y	N	U		U	32.7	6.04	ug/kg
B-3 (4-5)	L1941584-15	AROCLOR 1242	9/17/2019		Y	N	U		U	32.7	4.40	ug/kg
B-3 (4-5)	L1941584-15	PCBS, TOTAL	9/17/2019	4.53	Y	Y	J		J	32.7	2.90	ug/kg
B-3 (4-5)	L1941584-15	AROCLOR 1268	9/17/2019	4.53	Y	Y	J		J	32.7	3.38	ug/kg
B-3 (4-5)	L1941584-15	AROCLOR 1248	9/17/2019		Y	N	U		U	32.7	4.90	ug/kg
B-3 (4-5)	L1941584-15	AROCLOR 1262	9/17/2019		Y	N	U		U	32.7	4.15	ug/kg
B-3 (4-5)	L1941584-15	AROCLOR 1232	9/17/2019		Y	N	U		U	32.7	6.92	ug/kg
B-3 (4-5)	L1941584-15	AROCLOR 1221	9/17/2019		Y	N	U		U	32.7	3.27	ug/kg
B-3 (4-5)	L1941584-15	AROCLOR 1016	9/17/2019		Y	N	U		U	32.7	2.90	ug/kg
B-3 (4-5)	L1941584-15	AROCLOR 1254	9/17/2019		Y	N	U		U	32.7	3.57	ug/kg
B-3 (6-7)	L1941584-16	AROCLOR 1016	9/17/2019		Y	N	U		U	37.8	3.36	ug/kg
B-3 (6-7)	L1941584-16	AROCLOR 1262	9/17/2019		Y	N	U		U	37.8	4.80	ug/kg
B-3 (6-7)	L1941584-16	AROCLOR 1221	9/17/2019		Y	N	U		U	37.8	3.79	ug/kg
B-3 (6-7)	L1941584-16	AROCLOR 1232	9/17/2019		Y	N	U		U	37.8	8.02	ug/kg
B-3 (6-7)	L1941584-16	AROCLOR 1242	9/17/2019		Y	N	U		U	37.8	5.10	ug/kg
B-3 (6-7)	L1941584-16	AROCLOR 1248	9/17/2019		Y	N	U		U	37.8	5.67	ug/kg
B-3 (6-7)	L1941584-16	AROCLOR 1260	9/17/2019		Y	N	U		U	37.8	6.99	ug/kg
B-3 (6-7)	L1941584-16	AROCLOR 1268	9/17/2019		Y	N	U		U	37.8	3.92	ug/kg
B-3 (6-7)	L1941584-16	PCBS, TOTAL	9/17/2019		Y	N	U		U	37.8	3.36	ug/kg
B-3 (6-7)	L1941584-16	AROCLOR 1254	9/17/2019		Y	N	U		U	37.8	4.14	ug/kg
B-4 (4-5)	L1941584-04	AROCLOR 1016	9/17/2019		Y	N	U		U	34.4	3.06	ug/kg
B-4 (4-5)	L1941584-04	AROCLOR 1221	9/17/2019		Y	N	U		U	34.4	3.45	ug/kg
B-4 (4-5)	L1941584-04	AROCLOR 1260	9/17/2019	11.0	Y	Y	J		J	34.4	6.37	ug/kg

Analytical Method SW8082A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (4-5)	L1941584-04	AROCLOR 1268	9/17/2019	4.73	Y	Y	J		J	34.4	3.57	ug/kg
B-4 (4-5)	L1941584-04	AROCLOR 1262	9/17/2019		Y	N	U		U	34.4	4.38	ug/kg
B-4 (4-5)	L1941584-04	AROCLOR 1242	9/17/2019	70.2	Y	Y				34.4	4.64	ug/kg
B-4 (4-5)	L1941584-04	AROCLOR 1248	9/17/2019		Y	N	U		U	34.4	5.17	ug/kg
B-4 (4-5)	L1941584-04	AROCLOR 1254	9/17/2019	26.3	Y	Y	J		J	34.4	3.77	ug/kg
B-4 (4-5)	L1941584-04	AROCLOR 1232	9/17/2019		Y	N	U		U	34.4	7.30	ug/kg
B-4 (4-5)	L1941584-04	PCBS, TOTAL	9/17/2019	112	Y	Y	J		J	34.4	3.06	ug/kg
B-4 (7-8)	L1941584-05	AROCLOR 1221	9/16/2019		Y	N	U		U	37.0	3.70	ug/kg
B-4 (7-8)	L1941584-05	PCBS, TOTAL	9/16/2019		Y	N	U		U	37.0	3.28	ug/kg
B-4 (7-8)	L1941584-05	AROCLOR 1016	9/16/2019		Y	N	U		U	37.0	3.28	ug/kg
B-4 (7-8)	L1941584-05	AROCLOR 1232	9/16/2019		Y	N	U		U	37.0	7.84	ug/kg
B-4 (7-8)	L1941584-05	AROCLOR 1242	9/16/2019		Y	N	U		U	37.0	4.98	ug/kg
B-4 (7-8)	L1941584-05	AROCLOR 1248	9/16/2019		Y	N	U		U	37.0	5.55	ug/kg
B-4 (7-8)	L1941584-05	AROCLOR 1260	9/16/2019		Y	N	U		U	37.0	6.83	ug/kg
B-4 (7-8)	L1941584-05	AROCLOR 1262	9/16/2019		Y	N	U		U	37.0	4.70	ug/kg
B-4 (7-8)	L1941584-05	AROCLOR 1268	9/16/2019		Y	N	U		U	37.0	3.83	ug/kg
B-4 (7-8)	L1941584-05	AROCLOR 1254	9/16/2019		Y	N	U		U	37.0	4.04	ug/kg
B-8 (4-5)	L1941584-13	AROCLOR 1221	9/17/2019		Y	N	U		U	36.4	3.65	ug/kg
B-8 (4-5)	L1941584-13	AROCLOR 1254	9/17/2019		Y	N	U		U	36.4	3.98	ug/kg
B-8 (4-5)	L1941584-13	PCBS, TOTAL	9/17/2019		Y	N	U		U	36.4	3.23	ug/kg
B-8 (4-5)	L1941584-13	AROCLOR 1016	9/17/2019		Y	N	U		U	36.4	3.23	ug/kg
B-8 (4-5)	L1941584-13	AROCLOR 1232	9/17/2019		Y	N	U		U	36.4	7.72	ug/kg
B-8 (4-5)	L1941584-13	AROCLOR 1242	9/17/2019		Y	N	U		U	36.4	4.91	ug/kg
B-8 (4-5)	L1941584-13	AROCLOR 1248	9/17/2019		Y	N	U		U	36.4	5.46	ug/kg
B-8 (4-5)	L1941584-13	AROCLOR 1260	9/17/2019		Y	N	U		U	36.4	6.73	ug/kg

SDG: L1941584

Analytical Method	SW8082A											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (4-5)	L1941584-13	AROCLOR 1262	9/17/2019		Y	N	U		U	36.4	4.63	ug/kg
B-8 (4-5)	L1941584-13	AROCLOR 1268	9/17/2019		Y	N	U		U	36.4	3.77	ug/kg
B-8 (5-6)	L1941584-14	AROCLOR 1268	9/17/2019		Y	N	U		U	35.0	3.63	ug/kg
B-8 (5-6)	L1941584-14	PCBS, TOTAL	9/17/2019		Y	N	U		U	35.0	3.11	ug/kg
B-8 (5-6)	L1941584-14	AROCLOR 1221	9/17/2019		Y	N	U		U	35.0	3.51	ug/kg
B-8 (5-6)	L1941584-14	AROCLOR 1260	9/17/2019		Y	N	U		U	35.0	6.47	ug/kg
B-8 (5-6)	L1941584-14	AROCLOR 1016	9/17/2019		Y	N	U		U	35.0	3.11	ug/kg
B-8 (5-6)	L1941584-14	AROCLOR 1254	9/17/2019		Y	N	U		U	35.0	3.83	ug/kg
B-8 (5-6)	L1941584-14	AROCLOR 1248	9/17/2019		Y	N	U		U	35.0	5.25	ug/kg
B-8 (5-6)	L1941584-14	AROCLOR 1242	9/17/2019		Y	N	U		U	35.0	4.72	ug/kg
B-8 (5-6)	L1941584-14	AROCLOR 1232	9/17/2019		Y	N	U		U	35.0	7.42	ug/kg
B-8 (5-6)	L1941584-14	AROCLOR 1262	9/17/2019		Y	N	U		U	35.0	4.45	ug/kg
B-9 (3-4)	L1941584-07	AROCLOR 1232	9/17/2019		Y	N	U		U	35.8	7.59	ug/kg
B-9 (3-4)	L1941584-07	PCBS, TOTAL	9/17/2019		Y	N	U		U	35.8	3.18	ug/kg
B-9 (3-4)	L1941584-07	AROCLOR 1248	9/17/2019		Y	N	U		U	35.8	5.37	ug/kg
B-9 (3-4)	L1941584-07	AROCLOR 1268	9/17/2019		Y	N	U		U	35.8	3.71	ug/kg
B-9 (3-4)	L1941584-07	AROCLOR 1016	9/17/2019		Y	N	U		U	35.8	3.18	ug/kg
B-9 (3-4)	L1941584-07	AROCLOR 1221	9/17/2019		Y	N	U		U	35.8	3.59	ug/kg
B-9 (3-4)	L1941584-07	AROCLOR 1254	9/17/2019		Y	N	U		U	35.8	3.92	ug/kg
B-9 (3-4)	L1941584-07	AROCLOR 1260	9/17/2019		Y	N	U		U	35.8	6.62	ug/kg
B-9 (3-4)	L1941584-07	AROCLOR 1262	9/17/2019		Y	N	U		U	35.8	4.55	ug/kg
B-9 (3-4)	L1941584-07	AROCLOR 1242	9/17/2019		Y	N	U		U	35.8	4.83	ug/kg
B-9 (6-7)	L1941584-08	AROCLOR 1221	9/17/2019		Y	N	U		U	34.2	3.43	ug/kg
B-9 (6-7)	L1941584-08	AROCLOR 1254	9/17/2019		Y	N	U		U	34.2	3.75	ug/kg
B-9 (6-7)	L1941584-08	AROCLOR 1268	9/17/2019		Y	N	U		U	34.2	3.55	ug/kg

Analytical Method SW8082A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (6-7)	L1941584-08	AROCLOR 1232	9/17/2019		Y	N	U		U	34.2	7.26	ug/kg
B-9 (6-7)	L1941584-08	AROCLOR 1260	9/17/2019		Y	N	U		U	34.2	6.33	ug/kg
B-9 (6-7)	L1941584-08	AROCLOR 1248	9/17/2019		Y	N	U		U	34.2	5.14	ug/kg
B-9 (6-7)	L1941584-08	AROCLOR 1262	9/17/2019		Y	N	U		U	34.2	4.35	ug/kg
B-9 (6-7)	L1941584-08	AROCLOR 1016	9/17/2019		Y	N	U		U	34.2	3.04	ug/kg
B-9 (6-7)	L1941584-08	AROCLOR 1242	9/17/2019		Y	N	U		U	34.2	4.62	ug/kg
B-9 (6-7)	L1941584-08	PCBS, TOTAL	9/17/2019		Y	N	U		U	34.2	3.04	ug/kg
DUP	L1941584-17	AROCLOR 1242	9/15/2019		Y	N	U		U	35.5	4.78	ug/kg
DUP	L1941584-17	PCBS, TOTAL	9/15/2019		Y	N	U		U	35.5	3.15	ug/kg
DUP	L1941584-17	AROCLOR 1268	9/15/2019		Y	N	U		U	35.5	3.68	ug/kg
DUP	L1941584-17	AROCLOR 1262	9/15/2019		Y	N	U		U	35.5	4.51	ug/kg
DUP	L1941584-17	AROCLOR 1260	9/15/2019		Y	N	U		U	35.5	6.56	ug/kg
DUP	L1941584-17	AROCLOR 1248	9/15/2019		Y	N	U		U	35.5	5.32	ug/kg
DUP	L1941584-17	AROCLOR 1232	9/15/2019		Y	N	U		U	35.5	7.52	ug/kg
DUP	L1941584-17	AROCLOR 1221	9/15/2019		Y	N	U		U	35.5	3.56	ug/kg
DUP	L1941584-17	AROCLOR 1016	9/15/2019		Y	N	U		U	35.5	3.15	ug/kg
DUP	L1941584-17	AROCLOR 1254	9/15/2019		Y	N	U		U	35.5	3.88	ug/kg
WC-A-3 (0-5)	L1941584-01	AROCLOR 1260	9/16/2019		Y	N	U		U	38.7	7.15	ug/kg
WC-A-3 (0-5)	L1941584-01	AROCLOR 1232	9/16/2019		Y	N	U		U	38.7	8.21	ug/kg
WC-A-3 (0-5)	L1941584-01	AROCLOR 1221	9/16/2019		Y	N	U		U	38.7	3.88	ug/kg
WC-A-3 (0-5)	L1941584-01	AROCLOR 1016	9/16/2019		Y	N	U		U	38.7	3.44	ug/kg
WC-A-3 (0-5)	L1941584-01	PCBS, TOTAL	9/16/2019		Y	N	U		U	38.7	3.44	ug/kg
WC-A-3 (0-5)	L1941584-01	AROCLOR 1268	9/16/2019		Y	N	U		U	38.7	4.01	ug/kg
WC-A-3 (0-5)	L1941584-01	AROCLOR 1248	9/16/2019		Y	N	U		U	38.7	5.81	ug/kg
WC-A-3 (0-5)	L1941584-01	AROCLOR 1254	9/16/2019		Y	N	U		U	38.7	4.24	ug/kg

Analytical Method SW8082A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-3 (0-5)	L1941584-01	AROCLOR 1242	9/16/2019		Y	N	U		U	38.7	5.22	ug/kg
WC-A-3 (0-5)	L1941584-01	AROCLOR 1262	9/16/2019		Y	N	U		U	38.7	4.92	ug/kg
WC-A-4 (0-6)	L1941584-02	AROCLOR 1268	9/16/2019		Y	N	U		U	35.2	3.65	ug/kg
WC-A-4 (0-6)	L1941584-02	AROCLOR 1262	9/16/2019		Y	N	U		U	35.2	4.48	ug/kg
WC-A-4 (0-6)	L1941584-02	AROCLOR 1016	9/16/2019		Y	N	U		U	35.2	3.13	ug/kg
WC-A-4 (0-6)	L1941584-02	AROCLOR 1221	9/16/2019		Y	N	U		U	35.2	3.53	ug/kg
WC-A-4 (0-6)	L1941584-02	AROCLOR 1232	9/16/2019		Y	N	U		U	35.2	7.47	ug/kg
WC-A-4 (0-6)	L1941584-02	AROCLOR 1242	9/16/2019		Y	N	U		U	35.2	4.75	ug/kg
WC-A-4 (0-6)	L1941584-02	AROCLOR 1260	9/16/2019		Y	N	U		U	35.2	6.52	ug/kg
WC-A-4 (0-6)	L1941584-02	AROCLOR 1248	9/16/2019		Y	N	U		U	35.2	5.29	ug/kg
WC-A-4 (0-6)	L1941584-02	AROCLOR 1254	9/16/2019		Y	N	U		U	35.2	3.86	ug/kg
WC-A-4 (0-6)	L1941584-02	PCBS, TOTAL	9/16/2019		Y	N	U		U	35.2	3.13	ug/kg
WC-B-3 (0-5)	L1941584-06	PCBS, TOTAL	9/16/2019		Y	N	U		U	34.9	3.10	ug/kg
WC-B-3 (0-5)	L1941584-06	AROCLOR 1016	9/16/2019		Y	N	U		U	34.9	3.10	ug/kg
WC-B-3 (0-5)	L1941584-06	AROCLOR 1268	9/16/2019		Y	N	U		U	34.9	3.62	ug/kg
WC-B-3 (0-5)	L1941584-06	AROCLOR 1262	9/16/2019		Y	N	U		U	34.9	4.44	ug/kg
WC-B-3 (0-5)	L1941584-06	AROCLOR 1260	9/16/2019		Y	N	U		U	34.9	6.46	ug/kg
WC-B-3 (0-5)	L1941584-06	AROCLOR 1254	9/16/2019		Y	N	U		U	34.9	3.82	ug/kg
WC-B-3 (0-5)	L1941584-06	AROCLOR 1248	9/16/2019		Y	N	U		U	34.9	5.24	ug/kg
WC-B-3 (0-5)	L1941584-06	AROCLOR 1232	9/16/2019		Y	N	U		U	34.9	7.40	ug/kg
WC-B-3 (0-5)	L1941584-06	AROCLOR 1221	9/16/2019		Y	N	U		U	34.9	3.50	ug/kg
WC-B-3 (0-5)	L1941584-06	AROCLOR 1242	9/16/2019		Y	N	U		U	34.9	4.71	ug/kg
WC-B-4 (0-5)	L1941584-03	AROCLOR 1016	9/16/2019		Y	N	U		U	36.4	3.24	ug/kg
WC-B-4 (0-5)	L1941584-03	PCBS, TOTAL	9/16/2019		Y	N	U		U	36.4	3.24	ug/kg
WC-B-4 (0-5)	L1941584-03	AROCLOR 1262	9/16/2019		Y	N	U		U	36.4	4.63	ug/kg

Analytical Method	SW8082A											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
WC-B-4 (0-5)	L1941584-03	AROCLOR 1221	9/16/2019		Y	N	U		U	36.4	3.65	ug/kg
WC-B-4 (0-5)	L1941584-03	AROCLOR 1232	9/16/2019		Y	N	U		U	36.4	7.72	ug/kg
WC-B-4 (0-5)	L1941584-03	AROCLOR 1242	9/16/2019		Y	N	U		U	36.4	4.91	ug/kg
WC-B-4 (0-5)	L1941584-03	AROCLOR 1268	9/16/2019		Y	N	U		U	36.4	3.77	ug/kg
WC-B-4 (0-5)	L1941584-03	AROCLOR 1248	9/16/2019		Y	N	U		U	36.4	5.46	ug/kg
WC-B-4 (0-5)	L1941584-03	AROCLOR 1254	9/16/2019		Y	N	U		U	36.4	3.99	ug/kg
WC-B-4 (0-5)	L1941584-03	AROCLOR 1260	9/16/2019		Y	N	U		U	36.4	6.73	ug/kg

Analytical Method	SW8260C											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
B-13 (3-4)	L1941584-11	TRANS-1,2-DICHLOROETHENE	9/17/2019	0.34	Y	Y	J		J	1.6	0.14	ug/kg
B-13 (3-4)	L1941584-11	METHYL TERT BUTYL ETHER	9/17/2019	0.38	Y	Y	J		J	2.1	0.21	ug/kg
B-13 (3-4)	L1941584-11	CHLOROFORM	9/17/2019		Y	N	J	U	U	1.6	0.14	ug/kg
B-13 (3-4)	L1941584-11	1,2-DICHLOROETHENE (TOTAL)	9/17/2019	0.34	Y	Y	J		J	1.0	0.14	ug/kg
B-13 (3-4)	L1941584-11	1,2,4,5-TETRAMETHYLBENZENE	9/17/2019		Y	N	U		U	2.1	0.20	ug/kg
B-13 (3-4)	L1941584-11	ACETONE	9/17/2019	220	Y	Y				10	5.0	ug/kg
B-13 (3-4)	L1941584-11	2,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	2.1	0.21	ug/kg
B-13 (3-4)	L1941584-11	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	2.1	0.15	ug/kg
B-13 (3-4)	L1941584-11	BROMODICHLOROMETHANE	9/17/2019		Y	N	U		U	0.52	0.11	ug/kg
B-13 (3-4)	L1941584-11	TOTAL TIC COMPOUNDS	9/17/2019	70.2	Y	Y	J		J			
B-13 (3-4)	L1941584-11	BROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	2.1	0.21	ug/kg
B-13 (3-4)	L1941584-11	BROMOBENZENE	9/17/2019		Y	N	U		U	2.1	0.15	ug/kg
B-13 (3-4)	L1941584-11	BENZENE	9/17/2019		Y	N	U		U	0.52	0.17	ug/kg
B-13 (3-4)	L1941584-11	ACRYLONITRILE	9/17/2019		Y	N	U		U	4.2	1.2	ug/kg
B-13 (3-4)	L1941584-11	4-METHYL-2-PENTANONE	9/17/2019		Y	N	U		U	10	1.3	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (3-4)	L1941584-11	UNKNOWN	9/17/2019	66.8	Y	Y	J		J			
B-13 (3-4)	L1941584-11	2-BUTANONE	9/17/2019		Y	N	U		U	10	2.3	ug/kg
B-13 (3-4)	L1941584-11	UNKNOWN ALKANE	9/17/2019	3.37	Y	Y	J		J			
B-13 (3-4)	L1941584-11	1,4-DIOXANE	9/17/2019		Y	N	U		U	83	37	ug/kg
B-13 (3-4)	L1941584-11	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	2.1	0.18	ug/kg
B-13 (3-4)	L1941584-11	1,3-DICHLOROPROPENE, TOTAL	9/17/2019		Y	N	U		U	0.52	0.16	ug/kg
B-13 (3-4)	L1941584-11	1,3-DICHLOROPROPANE	9/17/2019		Y	N	U		U	2.1	0.17	ug/kg
B-13 (3-4)	L1941584-11	1,2,3-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	2.1	0.34	ug/kg
B-13 (3-4)	L1941584-11	1,3,5-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	2.1	0.20	ug/kg
B-13 (3-4)	L1941584-11	1,1,1,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	0.52	0.14	ug/kg
B-13 (3-4)	L1941584-11	1,2-DICHLOROETHANE	9/17/2019		Y	N	U		U	1.0	0.27	ug/kg
B-13 (3-4)	L1941584-11	2-HEXANONE	9/17/2019		Y	N	U		U	10	1.2	ug/kg
B-13 (3-4)	L1941584-11	DICHLORODIFLUOROMETHANE	9/17/2019		Y	N	U		U	10	0.95	ug/kg
B-13 (3-4)	L1941584-11	TRICHLOROETHENE	9/17/2019		Y	N	U		U	0.52	0.14	ug/kg
B-13 (3-4)	L1941584-11	TOLUENE	9/17/2019		Y	N	U		U	1.0	0.57	ug/kg
B-13 (3-4)	L1941584-11	TETRACHLOROETHENE	9/17/2019		Y	N	U		U	0.52	0.20	ug/kg
B-13 (3-4)	L1941584-11	STYRENE	9/17/2019		Y	N	U		U	1.0	0.20	ug/kg
B-13 (3-4)	L1941584-11	NAPHTHALENE	9/17/2019		Y	N	U		U	4.2	0.68	ug/kg
B-13 (3-4)	L1941584-11	METHYLENE CHLORIDE	9/17/2019		Y	N	U		U	5.2	2.4	ug/kg
B-13 (3-4)	L1941584-11	ISOPROPYLBENZENE	9/17/2019		Y	N	U		U	1.0	0.11	ug/kg
B-13 (3-4)	L1941584-11	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	4.2	0.18	ug/kg
B-13 (3-4)	L1941584-11	BROMOFORM	9/17/2019		Y	N	U		U	4.2	0.26	ug/kg
B-13 (3-4)	L1941584-11	ETHYL ETHER	9/17/2019		Y	N	U		U	2.1	0.36	ug/kg
B-13 (3-4)	L1941584-11	1,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	1.0	0.13	ug/kg
B-13 (3-4)	L1941584-11	DIBROMOMETHANE	9/17/2019		Y	N	U		U	2.1	0.25	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (3-4)	L1941584-11	DIBROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	1.0	0.14	ug/kg
B-13 (3-4)	L1941584-11	CHLOROMETHANE	9/17/2019		Y	N	U		U	4.2	0.97	ug/kg
B-13 (3-4)	L1941584-11	CHLOROETHANE	9/17/2019		Y	N	U		U	2.1	0.47	ug/kg
B-13 (3-4)	L1941584-11	CHLOROBENZENE	9/17/2019		Y	N	U		U	0.52	0.13	ug/kg
B-13 (3-4)	L1941584-11	CARBON TETRACHLORIDE	9/17/2019		Y	N	U		U	1.0	0.24	ug/kg
B-13 (3-4)	L1941584-11	CARBON DISULFIDE	9/17/2019		Y	N	U		U	10	4.7	ug/kg
B-13 (3-4)	L1941584-11	BROMOMETHANE	9/17/2019		Y	N	U		U	2.1	0.60	ug/kg
B-13 (3-4)	L1941584-11	ETHYLBENZENE	9/17/2019		Y	N	U		U	1.0	0.15	ug/kg
B-13 (3-4)	L1941584-11	TRANS-1,4-DICHLORO-2-BUTENE	9/17/2019		Y	N	U		U	5.2	1.5	ug/kg
B-13 (3-4)	L1941584-11	O-XYLENE	9/17/2019		Y	N	U		U	1.0	0.30	ug/kg
B-13 (3-4)	L1941584-11	P-CHLOROTOLUENE	9/17/2019		Y	N	U		U	2.1	0.11	ug/kg
B-13 (3-4)	L1941584-11	1,2-DIBROMOETHANE	9/17/2019		Y	N	U		U	1.0	0.29	ug/kg
B-13 (3-4)	L1941584-11	4-ETHYLTOLUENE	9/17/2019		Y	N	U		U	2.1	0.40	ug/kg
B-13 (3-4)	L1941584-11	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	2.1	0.15	ug/kg
B-13 (3-4)	L1941584-11	P/M-XYLENE	9/17/2019		Y	N	U		U	2.1	0.58	ug/kg
B-13 (3-4)	L1941584-11	SEC-BUTYLBENZENE	9/17/2019		Y	N	U		U	1.0	0.15	ug/kg
B-13 (3-4)	L1941584-11	O-CHLOROTOLUENE	9/17/2019		Y	N	U		U	2.1	0.20	ug/kg
B-13 (3-4)	L1941584-11	TRANS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	1.0	0.28	ug/kg
B-13 (3-4)	L1941584-11	1,4-DIETHYLBENZENE	9/17/2019		Y	N	U		U	2.1	0.18	ug/kg
B-13 (3-4)	L1941584-11	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	2.1	0.28	ug/kg
B-13 (3-4)	L1941584-11	1,2,3-TRICHLOROPROPANE	9/17/2019		Y	N	U		U	2.1	0.13	ug/kg
B-13 (3-4)	L1941584-11	1,1-DICHLOROPROPENE	9/17/2019		Y	N	U		U	0.52	0.16	ug/kg
B-13 (3-4)	L1941584-11	1,1-DICHLOROETHENE	9/17/2019		Y	N	U		U	1.0	0.25	ug/kg
B-13 (3-4)	L1941584-11	1,1-DICHLOROETHANE	9/17/2019		Y	N	U		U	1.0	0.15	ug/kg
B-13 (3-4)	L1941584-11	1,1,2-TRICHLOROETHANE	9/17/2019		Y	N	U		U	1.0	0.28	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (3-4)	L1941584-11	1,1,2,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	0.52	0.17	ug/kg
B-13 (3-4)	L1941584-11	1,1,1-TRICHLOROETHANE	9/17/2019		Y	N	U		U	0.52	0.17	ug/kg
B-13 (3-4)	L1941584-11	TERT-BUTYLBENZENE	9/17/2019		Y	N	U		U	2.1	0.12	ug/kg
B-13 (3-4)	L1941584-11	CIS-1,2-DICHLOROETHENE	9/17/2019		Y	N	U		U	1.0	0.18	ug/kg
B-13 (3-4)	L1941584-11	1,2-DIBROMO-3-CHLOROPROPANE	9/17/2019		Y	N	U		U	3.1	1.0	ug/kg
B-13 (3-4)	L1941584-11	1,2,4-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	2.1	0.35	ug/kg
B-13 (3-4)	L1941584-11	TRICHLOROFLUOROMETHANE	9/17/2019		Y	N	U		U	4.2	0.72	ug/kg
B-13 (3-4)	L1941584-11	VINYL ACETATE	9/17/2019		Y	N	U		U	10	2.2	ug/kg
B-13 (3-4)	L1941584-11	VINYL CHLORIDE	9/17/2019		Y	N	U		U	1.0	0.35	ug/kg
B-13 (3-4)	L1941584-11	P-ISOPROPYLTOLUENE	9/17/2019		Y	N	U		U	1.0	0.11	ug/kg
B-13 (3-4)	L1941584-11	XYLENE (TOTAL)	9/17/2019		Y	N	U		U	1.0	0.30	ug/kg
B-13 (3-4)	L1941584-11	N-PROPYLBENZENE	9/17/2019		Y	N	U		U	1.0	0.18	ug/kg
B-13 (3-4)	L1941584-11	N-BUTYLBENZENE	9/17/2019		Y	N	U		U	1.0	0.17	ug/kg
B-13 (3-4)	L1941584-11	CIS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	0.52	0.16	ug/kg
B-13 (6-7)	L1941584-12	1,2-DICHLOROETHENE (TOTAL)	9/17/2019	0.47	Y	Y	J		J	1.3	0.18	ug/kg
B-13 (6-7)	L1941584-12	TRANS-1,2-DICHLOROETHENE	9/17/2019	0.47	Y	Y	J		J	2.0	0.18	ug/kg
B-13 (6-7)	L1941584-12	DICHLORODIFLUOROMETHANE	9/17/2019		Y	N	U	UJ	UJ	13	1.2	ug/kg
B-13 (6-7)	L1941584-12	METHYL TERT BUTYL ETHER	9/17/2019	0.80	Y	Y	J		J	2.7	0.27	ug/kg
B-13 (6-7)	L1941584-12	CHLOROFORM	9/17/2019		Y	N	J	U	U	2.0	0.19	ug/kg
B-13 (6-7)	L1941584-12	TERT-BUTYLBENZENE	9/17/2019		Y	N	U		U	2.7	0.16	ug/kg
B-13 (6-7)	L1941584-12	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	2.7	0.20	ug/kg
B-13 (6-7)	L1941584-12	P-ISOPROPYLTOLUENE	9/17/2019		Y	N	U		U	1.3	0.15	ug/kg
B-13 (6-7)	L1941584-12	4-ETHYLTOLUENE	9/17/2019		Y	N	U		U	2.7	0.52	ug/kg
B-13 (6-7)	L1941584-12	VINYL CHLORIDE	9/17/2019		Y	N	U	UJ	UJ	1.3	0.45	ug/kg
B-13 (6-7)	L1941584-12	NAPHTHALENE	9/17/2019		Y	N	U	UJ	UJ	5.4	0.88	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (6-7)	L1941584-12	CIS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	0.67	0.21	ug/kg
B-13 (6-7)	L1941584-12	TRANS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	1.3	0.37	ug/kg
B-13 (6-7)	L1941584-12	O-XYLENE	9/17/2019		Y	N	U		U	1.3	0.39	ug/kg
B-13 (6-7)	L1941584-12	1,4-DIETHYLBENZENE	9/17/2019		Y	N	U		U	2.7	0.24	ug/kg
B-13 (6-7)	L1941584-12	SEC-BUTYLBENZENE	9/17/2019		Y	N	U		U	1.3	0.20	ug/kg
B-13 (6-7)	L1941584-12	P/M-XYLENE	9/17/2019		Y	N	U		U	2.7	0.75	ug/kg
B-13 (6-7)	L1941584-12	P-CHLOROTOLUENE	9/17/2019		Y	N	U		U	2.7	0.14	ug/kg
B-13 (6-7)	L1941584-12	N-BUTYLBENZENE	9/17/2019		Y	N	U		U	1.3	0.22	ug/kg
B-13 (6-7)	L1941584-12	N-PROPYLBENZENE	9/17/2019		Y	N	U		U	1.3	0.23	ug/kg
B-13 (6-7)	L1941584-12	O-CHLOROTOLUENE	9/17/2019		Y	N	U		U	2.7	0.26	ug/kg
B-13 (6-7)	L1941584-12	TRANS-1,4-DICHLORO-2-BUTENE	9/17/2019		Y	N	U		U	6.7	1.9	ug/kg
B-13 (6-7)	L1941584-12	BROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	2.7	0.28	ug/kg
B-13 (6-7)	L1941584-12	BROMOMETHANE	9/17/2019		Y	N	U	UJ	UJ	2.7	0.78	ug/kg
B-13 (6-7)	L1941584-12	2,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	2.7	0.27	ug/kg
B-13 (6-7)	L1941584-12	2-BUTANONE	9/17/2019		Y	N	U		U	13	3.0	ug/kg
B-13 (6-7)	L1941584-12	ETHYL ACETATE	9/17/2019	77.5	Y	Y	NJ		J			
B-13 (6-7)	L1941584-12	4-METHYL-2-PENTANONE	9/17/2019		Y	N	U		U	13	1.7	ug/kg
B-13 (6-7)	L1941584-12	ACRYLONITRILE	9/17/2019		Y	N	U		U	5.4	1.5	ug/kg
B-13 (6-7)	L1941584-12	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	2.7	0.23	ug/kg
B-13 (6-7)	L1941584-12	BROMOBENZENE	9/17/2019		Y	N	U		U	2.7	0.20	ug/kg
B-13 (6-7)	L1941584-12	1,3-DICHLOROPROPENE, TOTAL	9/17/2019		Y	N	U		U	0.67	0.21	ug/kg
B-13 (6-7)	L1941584-12	BROMODICHLOROMETHANE	9/17/2019		Y	N	U		U	0.67	0.15	ug/kg
B-13 (6-7)	L1941584-12	BROMOFORM	9/17/2019		Y	N	U		U	5.4	0.33	ug/kg
B-13 (6-7)	L1941584-12	1,1-DICHLOROETHANE	9/17/2019		Y	N	U	UJ	UJ	1.3	0.20	ug/kg
B-13 (6-7)	L1941584-12	CARBON TETRACHLORIDE	9/17/2019		Y	N	U		U	1.3	0.31	ug/kg

SDG: L1941584

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (6-7)	L1941584-12	TOTAL TIC COMPOUNDS	9/17/2019	77.5	Y	Y	J		J			
B-13 (6-7)	L1941584-12	CHLOROBENZENE	9/17/2019		Y	N	U		U	0.67	0.17	ug/kg
B-13 (6-7)	L1941584-12	2-HEXANONE	9/17/2019		Y	N	U	UJ	UJ	13	1.6	ug/kg
B-13 (6-7)	L1941584-12	BENZENE	9/17/2019		Y	N	U		U	0.67	0.22	ug/kg
B-13 (6-7)	L1941584-12	1,2,4-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	2.7	0.45	ug/kg
B-13 (6-7)	L1941584-12	1,1,1,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	0.67	0.18	ug/kg
B-13 (6-7)	L1941584-12	1,1,1-TRICHLOROETHANE	9/17/2019		Y	N	U		U	0.67	0.22	ug/kg
B-13 (6-7)	L1941584-12	1,1,2,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	0.67	0.22	ug/kg
B-13 (6-7)	L1941584-12	1,1,2-TRICHLOROETHANE	9/17/2019		Y	N	U		U	1.3	0.36	ug/kg
B-13 (6-7)	L1941584-12	1,1-DICHLOROETHENE	9/17/2019		Y	N	U		U	1.3	0.32	ug/kg
B-13 (6-7)	L1941584-12	1,1-DICHLOROPROPENE	9/17/2019		Y	N	U		U	0.67	0.21	ug/kg
B-13 (6-7)	L1941584-12	1,4-DIOXANE	9/17/2019		Y	N	U	UJ	UJ	110	47	ug/kg
B-13 (6-7)	L1941584-12	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	2.7	0.37	ug/kg
B-13 (6-7)	L1941584-12	1,2,4,5-TETRAMETHYLBENZENE	9/17/2019		Y	N	U		U	2.7	0.26	ug/kg
B-13 (6-7)	L1941584-12	1,2-DIBROMO-3-CHLOROPROPANE	9/17/2019		Y	N	U		U	4.0	1.3	ug/kg
B-13 (6-7)	L1941584-12	1,2-DIBROMOETHANE	9/17/2019		Y	N	U		U	1.3	0.38	ug/kg
B-13 (6-7)	L1941584-12	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	2.7	0.19	ug/kg
B-13 (6-7)	L1941584-12	1,2-DICHLOROETHANE	9/17/2019		Y	N	U		U	1.3	0.35	ug/kg
B-13 (6-7)	L1941584-12	1,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	1.3	0.17	ug/kg
B-13 (6-7)	L1941584-12	1,3,5-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	2.7	0.26	ug/kg
B-13 (6-7)	L1941584-12	1,3-DICHLOROPROPANE	9/17/2019		Y	N	U		U	2.7	0.22	ug/kg
B-13 (6-7)	L1941584-12	1,2,3-TRICHLOROPROPANE	9/17/2019		Y	N	U		U	2.7	0.17	ug/kg
B-13 (6-7)	L1941584-12	ACETONE	9/17/2019	72	Y	Y				13	6.5	ug/kg
B-13 (6-7)	L1941584-12	CIS-1,2-DICHLOROETHENE	9/17/2019		Y	N	U		U	1.3	0.24	ug/kg
B-13 (6-7)	L1941584-12	XYLENE (TOTAL)	9/17/2019		Y	N	U		U	1.3	0.39	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (6-7)	L1941584-12	1,2,3-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	2.7	0.43	ug/kg
B-13 (6-7)	L1941584-12	ETHYL ETHER	9/17/2019		Y	N	U	UJ	UJ	2.7	0.46	ug/kg
B-13 (6-7)	L1941584-12	TRICHLOROFLUOROMETHANE	9/17/2019		Y	N	U		U	5.4	0.94	ug/kg
B-13 (6-7)	L1941584-12	TRICHLOROETHENE	9/17/2019		Y	N	U		U	0.67	0.18	ug/kg
B-13 (6-7)	L1941584-12	TOLUENE	9/17/2019		Y	N	U		U	1.3	0.73	ug/kg
B-13 (6-7)	L1941584-12	STYRENE	9/17/2019		Y	N	U		U	1.3	0.26	ug/kg
B-13 (6-7)	L1941584-12	VINYL ACETATE	9/17/2019		Y	N	U		U	13	2.9	ug/kg
B-13 (6-7)	L1941584-12	CHLOROMETHANE	9/17/2019		Y	N	U	UJ	UJ	5.4	1.2	ug/kg
B-13 (6-7)	L1941584-12	ISOPROPYLBENZENE	9/17/2019		Y	N	U		U	1.3	0.15	ug/kg
B-13 (6-7)	L1941584-12	DIBROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	1.3	0.19	ug/kg
B-13 (6-7)	L1941584-12	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	5.4	0.23	ug/kg
B-13 (6-7)	L1941584-12	ETHYLBENZENE	9/17/2019		Y	N	U		U	1.3	0.19	ug/kg
B-13 (6-7)	L1941584-12	CHLOROETHANE	9/17/2019		Y	N	U	UJ	UJ	2.7	0.61	ug/kg
B-13 (6-7)	L1941584-12	METHYLENE CHLORIDE	9/17/2019		Y	N	U		U	6.7	3.1	ug/kg
B-13 (6-7)	L1941584-12	DIBROMOMETHANE	9/17/2019		Y	N	U		U	2.7	0.32	ug/kg
B-13 (6-7)	L1941584-12	TETRACHLOROETHENE	9/17/2019		Y	N	U		U	0.67	0.26	ug/kg
B-13 (6-7)	L1941584-12	CARBON DISULFIDE	9/17/2019		Y	N	U	UJ	UJ	13	6.1	ug/kg
B-14 (2-3)	L1941584-10	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.14	Y	Y	J		J	1.4	0.13	ug/kg
B-14 (2-3)	L1941584-10	METHYL TERT BUTYL ETHER	9/16/2019	0.27	Y	Y	J		J	1.9	0.19	ug/kg
B-14 (2-3)	L1941584-10	CHLOROFORM	9/16/2019		Y	N	J	U	U	1.4	0.14	ug/kg
B-14 (2-3)	L1941584-10	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.14	Y	Y	J		J	0.97	0.13	ug/kg
B-14 (2-3)	L1941584-10	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	0.97	0.12	ug/kg
B-14 (2-3)	L1941584-10	CHLOROMETHANE	9/16/2019		Y	N	U		U	3.9	0.90	ug/kg
B-14 (2-3)	L1941584-10	CARBON DISULFIDE	9/16/2019		Y	N	U		U	9.7	4.4	ug/kg
B-14 (2-3)	L1941584-10	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	0.97	0.14	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-14 (2-3)	L1941584-10	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	9.7	0.88	ug/kg
B-14 (2-3)	L1941584-10	VINYL ACETATE	9/16/2019		Y	N	U		U	9.7	2.1	ug/kg
B-14 (2-3)	L1941584-10	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.14	ug/kg
B-14 (2-3)	L1941584-10	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.19	ug/kg
B-14 (2-3)	L1941584-10	DIBROMOMETHANE	9/16/2019		Y	N	U		U	1.9	0.23	ug/kg
B-14 (2-3)	L1941584-10	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.14	ug/kg
B-14 (2-3)	L1941584-10	BROMOBENZENE	9/16/2019		Y	N	U		U	1.9	0.14	ug/kg
B-14 (2-3)	L1941584-10	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	0.97	0.27	ug/kg
B-14 (2-3)	L1941584-10	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	2.9	0.96	ug/kg
B-14 (2-3)	L1941584-10	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.9	0.16	ug/kg
B-14 (2-3)	L1941584-10	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.32	ug/kg
B-14 (2-3)	L1941584-10	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	4.8	2.2	ug/kg
B-14 (2-3)	L1941584-10	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.9	0.20	ug/kg
B-14 (2-3)	L1941584-10	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.26	ug/kg
B-14 (2-3)	L1941584-10	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.18	ug/kg
B-14 (2-3)	L1941584-10	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	0.97	0.22	ug/kg
B-14 (2-3)	L1941584-10	VINYL CHLORIDE	9/16/2019		Y	N	U		U	0.97	0.32	ug/kg
B-14 (2-3)	L1941584-10	2-BUTANONE	9/16/2019		Y	N	U		U	9.7	2.1	ug/kg
B-14 (2-3)	L1941584-10	BROMOMETHANE	9/16/2019		Y	N	U		U	1.9	0.56	ug/kg
B-14 (2-3)	L1941584-10	BENZENE	9/16/2019		Y	N	U		U	0.48	0.16	ug/kg
B-14 (2-3)	L1941584-10	TRICHLOROETHENE	9/16/2019		Y	N	U		U	0.48	0.13	ug/kg
B-14 (2-3)	L1941584-10	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.48	0.19	ug/kg
B-14 (2-3)	L1941584-10	UNKNOWN	9/16/2019	92.8	Y	Y	J		J			
B-14 (2-3)	L1941584-10	ACRYLONITRILE	9/16/2019		Y	N	U		U	3.9	1.1	ug/kg
B-14 (2-3)	L1941584-10	STYRENE	9/16/2019		Y	N	U		U	0.97	0.19	ug/kg

SDG: L1941584

Analytical Method	SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-14 (2-3)	L1941584-10	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	9.7	1.2	ug/kg
B-14 (2-3)	L1941584-10	TOTAL TIC COMPOUNDS	9/16/2019	92.8	Y	Y	J		J			
B-14 (2-3)	L1941584-10	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.9	0.20	ug/kg
B-14 (2-3)	L1941584-10	2-HEXANONE	9/16/2019		Y	N	U		U	9.7	1.1	ug/kg
B-14 (2-3)	L1941584-10	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.48	0.15	ug/kg
B-14 (2-3)	L1941584-10	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.48	0.13	ug/kg
B-14 (2-3)	L1941584-10	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	0.97	0.10	ug/kg
B-14 (2-3)	L1941584-10	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	1.9	0.12	ug/kg
B-14 (2-3)	L1941584-10	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	3.9	0.16	ug/kg
B-14 (2-3)	L1941584-10	ETHYLBENZENE	9/16/2019		Y	N	U		U	0.97	0.14	ug/kg
B-14 (2-3)	L1941584-10	ETHYL ETHER	9/16/2019		Y	N	U		U	1.9	0.33	ug/kg
B-14 (2-3)	L1941584-10	1,4-DIOXANE	9/16/2019		Y	N	U		U	77	34	ug/kg
B-14 (2-3)	L1941584-10	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	3.9	0.67	ug/kg
B-14 (2-3)	L1941584-10	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.16	ug/kg
B-14 (2-3)	L1941584-10	NAPHTHALENE	9/16/2019		Y	N	U		U	3.9	0.63	ug/kg
B-14 (2-3)	L1941584-10	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.97	0.25	ug/kg
B-14 (2-3)	L1941584-10	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	0.97	0.28	ug/kg
B-14 (2-3)	L1941584-10	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.17	ug/kg
B-14 (2-3)	L1941584-10	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.9	0.10	ug/kg
B-14 (2-3)	L1941584-10	O-XYLENE	9/16/2019		Y	N	U		U	0.97	0.28	ug/kg
B-14 (2-3)	L1941584-10	TOLUENE	9/16/2019		Y	N	U		U	0.97	0.52	ug/kg
B-14 (2-3)	L1941584-10	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.9	0.18	ug/kg
B-14 (2-3)	L1941584-10	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.11	ug/kg
B-14 (2-3)	L1941584-10	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.97	0.17	ug/kg
B-14 (2-3)	L1941584-10	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.31	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-14 (2-3)	L1941584-10	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	1.9	0.37	ug/kg
B-14 (2-3)	L1941584-10	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.97	0.16	ug/kg
B-14 (2-3)	L1941584-10	CHLOROETHANE	9/16/2019		Y	N	U		U	1.9	0.44	ug/kg
B-14 (2-3)	L1941584-10	ACETONE	9/16/2019	82	Y	Y				9.7	4.6	ug/kg
B-14 (2-3)	L1941584-10	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	0.97	0.16	ug/kg
B-14 (2-3)	L1941584-10	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.97	0.26	ug/kg
B-14 (2-3)	L1941584-10	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.48	0.12	ug/kg
B-14 (2-3)	L1941584-10	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.48	0.15	ug/kg
B-14 (2-3)	L1941584-10	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	4.8	1.4	ug/kg
B-14 (2-3)	L1941584-10	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.97	0.14	ug/kg
B-14 (2-3)	L1941584-10	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	0.97	0.10	ug/kg
B-14 (2-3)	L1941584-10	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.97	0.26	ug/kg
B-14 (2-3)	L1941584-10	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.48	0.16	ug/kg
B-14 (2-3)	L1941584-10	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.48	0.16	ug/kg
B-14 (2-3)	L1941584-10	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.48	0.10	ug/kg
B-14 (2-3)	L1941584-10	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.97	0.14	ug/kg
B-14 (2-3)	L1941584-10	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.48	0.15	ug/kg
B-14 (2-3)	L1941584-10	P/M-XYLENE	9/16/2019		Y	N	U		U	1.9	0.54	ug/kg
B-14 (2-3)	L1941584-10	BROMOFORM	9/16/2019		Y	N	U		U	3.9	0.24	ug/kg
B-14 (2-3)	L1941584-10	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.97	0.23	ug/kg
B-14 (8-9)	L1941584-09	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	1.0	0.29	ug/kg
B-14 (8-9)	L1941584-09	STYRENE	9/16/2019		Y	N	U		U	1.0	0.20	ug/kg
B-14 (8-9)	L1941584-09	BENZENE	9/16/2019		Y	N	U		U	0.50	0.17	ug/kg
B-14 (8-9)	L1941584-09	ACRYLONITRILE	9/16/2019		Y	N	U		U	4.0	1.2	ug/kg
B-14 (8-9)	L1941584-09	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.50	0.16	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-14 (8-9)	L1941584-09	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	1.0	0.18	ug/kg
B-14 (8-9)	L1941584-09	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	4.0	0.70	ug/kg
B-14 (8-9)	L1941584-09	TRICHLOROETHENE	9/16/2019		Y	N	U		U	0.50	0.14	ug/kg
B-14 (8-9)	L1941584-09	1,4-DIOXANE	9/16/2019		Y	N	U		U	80	35	ug/kg
B-14 (8-9)	L1941584-09	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.50	0.20	ug/kg
B-14 (8-9)	L1941584-09	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.50	0.11	ug/kg
B-14 (8-9)	L1941584-09	NAPHTHALENE	9/16/2019		Y	N	U		U	4.0	0.65	ug/kg
B-14 (8-9)	L1941584-09	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	5.0	2.3	ug/kg
B-14 (8-9)	L1941584-09	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	10	1.3	ug/kg
B-14 (8-9)	L1941584-09	2-HEXANONE	9/16/2019		Y	N	U		U	10	1.2	ug/kg
B-14 (8-9)	L1941584-09	2-BUTANONE	9/16/2019		Y	N	U		U	10	2.2	ug/kg
B-14 (8-9)	L1941584-09	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.0	0.20	ug/kg
B-14 (8-9)	L1941584-09	UNKNOWN	9/16/2019	192	Y	Y	J		J			
B-14 (8-9)	L1941584-09	TOLUENE	9/16/2019		Y	N	U		U	1.0	0.54	ug/kg
B-14 (8-9)	L1941584-09	CHLOROMETHANE	9/16/2019		Y	N	U		U	4.0	0.93	ug/kg
B-14 (8-9)	L1941584-09	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.29	Y	Y	J		J	1.0	0.14	ug/kg
B-14 (8-9)	L1941584-09	VINYL ACETATE	9/16/2019		Y	N	U		U	10	2.2	ug/kg
B-14 (8-9)	L1941584-09	CHLOROFORM	9/16/2019		Y	N	J	U	U	1.5	0.14	ug/kg
B-14 (8-9)	L1941584-09	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.50	0.13	ug/kg
B-14 (8-9)	L1941584-09	METHYL TERT BUTYL ETHER	9/16/2019	0.32	Y	Y	J		J	2.0	0.20	ug/kg
B-14 (8-9)	L1941584-09	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.29	Y	Y	J		J	1.5	0.14	ug/kg
B-14 (8-9)	L1941584-09	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	10	0.92	ug/kg
B-14 (8-9)	L1941584-09	BROMOBENZENE	9/16/2019		Y	N	U		U	2.0	0.14	ug/kg
B-14 (8-9)	L1941584-09	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.0	0.14	ug/kg
B-14 (8-9)	L1941584-09	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	2.0	0.20	ug/kg

SDG: L1941584

Analytical Method	SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-14 (8-9)	L1941584-09	CHLOROETHANE	9/16/2019		Y	N	U		U	2.0	0.45	ug/kg
B-14 (8-9)	L1941584-09	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.50	0.13	ug/kg
B-14 (8-9)	L1941584-09	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	1.0	0.23	ug/kg
B-14 (8-9)	L1941584-09	CARBON DISULFIDE	9/16/2019		Y	N	U		U	10	4.6	ug/kg
B-14 (8-9)	L1941584-09	BROMOMETHANE	9/16/2019		Y	N	U		U	2.0	0.58	ug/kg
B-14 (8-9)	L1941584-09	BROMOFORM	9/16/2019		Y	N	U		U	4.0	0.25	ug/kg
B-14 (8-9)	L1941584-09	VINYL CHLORIDE	9/16/2019		Y	N	U		U	1.0	0.34	ug/kg
B-14 (8-9)	L1941584-09	DIBROMOMETHANE	9/16/2019		Y	N	U		U	2.0	0.24	ug/kg
B-14 (8-9)	L1941584-09	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	2.0	0.13	ug/kg
B-14 (8-9)	L1941584-09	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	4.0	0.17	ug/kg
B-14 (8-9)	L1941584-09	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.0	0.17	ug/kg
B-14 (8-9)	L1941584-09	ETHYL ETHER	9/16/2019		Y	N	U		U	2.0	0.34	ug/kg
B-14 (8-9)	L1941584-09	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	1.0	0.28	ug/kg
B-14 (8-9)	L1941584-09	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	3.0	1.0	ug/kg
B-14 (8-9)	L1941584-09	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.0	0.33	ug/kg
B-14 (8-9)	L1941584-09	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.11	ug/kg
B-14 (8-9)	L1941584-09	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	2.0	0.19	ug/kg
B-14 (8-9)	L1941584-09	ETHYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.14	ug/kg
B-14 (8-9)	L1941584-09	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.0	0.32	ug/kg
B-14 (8-9)	L1941584-09	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.50	0.16	ug/kg
B-14 (8-9)	L1941584-09	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	1.0	0.24	ug/kg
B-14 (8-9)	L1941584-09	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.0	0.14	ug/kg
B-14 (8-9)	L1941584-09	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	1.0	0.27	ug/kg
B-14 (8-9)	L1941584-09	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.50	0.17	ug/kg
B-14 (8-9)	L1941584-09	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.50	0.17	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-14 (8-9)	L1941584-09	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.0	0.27	ug/kg
B-14 (8-9)	L1941584-09	TOTAL TIC COMPOUNDS	9/16/2019	192	Y	Y	J		J			
B-14 (8-9)	L1941584-09	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.0	0.26	ug/kg
B-14 (8-9)	L1941584-09	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.0	0.14	ug/kg
B-14 (8-9)	L1941584-09	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.0	0.19	ug/kg
B-14 (8-9)	L1941584-09	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.0	0.15	ug/kg
B-14 (8-9)	L1941584-09	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.0	0.17	ug/kg
B-14 (8-9)	L1941584-09	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.50	0.16	ug/kg
B-14 (8-9)	L1941584-09	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.0	0.12	ug/kg
B-14 (8-9)	L1941584-09	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	2.0	0.38	ug/kg
B-14 (8-9)	L1941584-09	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	2.0	0.18	ug/kg
B-14 (8-9)	L1941584-09	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.0	0.11	ug/kg
B-14 (8-9)	L1941584-09	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	1.0	0.11	ug/kg
B-14 (8-9)	L1941584-09	P/M-XYLENE	9/16/2019		Y	N	U		U	2.0	0.56	ug/kg
B-14 (8-9)	L1941584-09	O-XYLENE	9/16/2019		Y	N	U		U	1.0	0.29	ug/kg
B-14 (8-9)	L1941584-09	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.0	0.19	ug/kg
B-14 (8-9)	L1941584-09	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.17	ug/kg
B-14 (8-9)	L1941584-09	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.15	ug/kg
B-14 (8-9)	L1941584-09	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.17	ug/kg
B-14 (8-9)	L1941584-09	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	2.0	0.12	ug/kg
B-14 (8-9)	L1941584-09	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	1.0	0.27	ug/kg
B-14 (8-9)	L1941584-09	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	5.0	1.4	ug/kg
B-14 (8-9)	L1941584-09	ACETONE	9/16/2019	100	Y	Y				10	4.8	ug/kg
B-3 (4-5)	L1941584-15	1,2,4-TRIMETHYLBENZENE	9/17/2019	0.64	Y	Y	J		J	3.6	0.60	ug/kg
B-3 (4-5)	L1941584-15	1,2-DICHLOROETHENE (TOTAL)	9/17/2019	0.43	Y	Y	J		J	1.8	0.24	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (4-5)	L1941584-15	1,3,5-TRIMETHYLBENZENE	9/17/2019	0.51	Y	Y	J		J	3.6	0.34	ug/kg
B-3 (4-5)	L1941584-15	1,4-DIETHYLBENZENE	9/17/2019	0.57	Y	Y	J		J	3.6	0.32	ug/kg
B-3 (4-5)	L1941584-15	ACETONE	9/17/2019	620	Y	Y	E	J	J	18	8.6	ug/kg
B-3 (4-5)	L1941584-15	BENZENE	9/17/2019	0.79	Y	Y	J		J	0.89	0.30	ug/kg
B-3 (4-5)	L1941584-15	2-BUTANONE	9/17/2019	12	Y	Y	J	J	J	18	4.0	ug/kg
B-3 (4-5)	L1941584-15	METHYL TERT BUTYL ETHER	9/17/2019	0.60	Y	Y	J		J	3.6	0.36	ug/kg
B-3 (4-5)	L1941584-15	TRANS-1,2-DICHLOROETHENE	9/17/2019	0.43	Y	Y	J		J	2.7	0.24	ug/kg
B-3 (4-5)	L1941584-15	TETRACHLOROETHENE	9/17/2019	0.54	Y	Y	J		J	0.89	0.35	ug/kg
B-3 (4-5)	L1941584-15	CHLOROBENZENE	9/17/2019		Y	N	U		U	0.89	0.23	ug/kg
B-3 (4-5)	L1941584-15	1,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	1.8	0.22	ug/kg
B-3 (4-5)	L1941584-15	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	3.6	0.30	ug/kg
B-3 (4-5)	L1941584-15	CARBON DISULFIDE	9/17/2019		Y	N	U		U	18	8.1	ug/kg
B-3 (4-5)	L1941584-15	1,3-DICHLOROPROPENE, TOTAL	9/17/2019		Y	N	U		U	0.89	0.28	ug/kg
B-3 (4-5)	L1941584-15	1,4-DIOXANE	9/17/2019		Y	N	U	UJ	UJ	140	63	ug/kg
B-3 (4-5)	L1941584-15	CARBON TETRACHLORIDE	9/17/2019		Y	N	U		U	1.8	0.41	ug/kg
B-3 (4-5)	L1941584-15	NAPHTHALENE	9/17/2019	41	Y	Y				7.1	1.2	ug/kg
B-3 (4-5)	L1941584-15	1,3-DICHLOROPROPANE	9/17/2019		Y	N	U		U	3.6	0.30	ug/kg
B-3 (4-5)	L1941584-15	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	3.6	0.26	ug/kg
B-3 (4-5)	L1941584-15	2,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	3.6	0.36	ug/kg
B-3 (4-5)	L1941584-15	4-ETHYLTOLUENE	9/17/2019		Y	N	U		U	3.6	0.68	ug/kg
B-3 (4-5)	L1941584-15	BROMOMETHANE	9/17/2019		Y	N	U		U	3.6	1.0	ug/kg
B-3 (4-5)	L1941584-15	CHLOROMETHANE	9/17/2019		Y	N	U		U	7.1	1.7	ug/kg
B-3 (4-5)	L1941584-15	4-METHYL-2-PENTANONE	9/17/2019		Y	N	U		U	18	2.3	ug/kg
B-3 (4-5)	L1941584-15	1,2-DICHLOROETHANE	9/17/2019		Y	N	U		U	1.8	0.46	ug/kg
B-3 (4-5)	L1941584-15	BROMOFORM	9/17/2019		Y	N	U		U	7.1	0.44	ug/kg

Analytical Method	SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (4-5)	L1941584-15	TOTAL TIC COMPOUNDS	9/17/2019	16.4	Y	Y	J		J			
B-3 (4-5)	L1941584-15	CHLOROETHANE	9/17/2019		Y	N	U		U	3.6	0.81	ug/kg
B-3 (4-5)	L1941584-15	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	3.6	0.26	ug/kg
B-3 (4-5)	L1941584-15	UNKNOWN	9/17/2019	3.89	Y	Y	J		J			
B-3 (4-5)	L1941584-15	UNKNOWN AROMATIC	9/17/2019	6.61	Y	Y	J		J			
B-3 (4-5)	L1941584-15	UNKNOWN AROMATIC	9/17/2019	5.89	Y	Y	J		J			
B-3 (4-5)	L1941584-15	CHLOROFORM	9/17/2019		Y	N	U		U	2.7	0.25	ug/kg
B-3 (4-5)	L1941584-15	2-HEXANONE	9/17/2019		Y	N	U		U	18	2.1	ug/kg
B-3 (4-5)	L1941584-15	P/M-XYLENE	9/17/2019		Y	N	U		U	3.6	1.0	ug/kg
B-3 (4-5)	L1941584-15	1,2,3-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	3.6	0.58	ug/kg
B-3 (4-5)	L1941584-15	1,1-DICHLOROPROPENE	9/17/2019		Y	N	U		U	0.89	0.28	ug/kg
B-3 (4-5)	L1941584-15	1,1-DICHLOROETHENE	9/17/2019		Y	N	U		U	1.8	0.42	ug/kg
B-3 (4-5)	L1941584-15	CIS-1,2-DICHLOROETHENE	9/17/2019		Y	N	U		U	1.8	0.31	ug/kg
B-3 (4-5)	L1941584-15	1,1,2-TRICHLOROETHANE	9/17/2019		Y	N	U		U	1.8	0.48	ug/kg
B-3 (4-5)	L1941584-15	1,1,2,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	0.89	0.30	ug/kg
B-3 (4-5)	L1941584-15	1,1,1-TRICHLOROETHANE	9/17/2019		Y	N	U		U	0.89	0.30	ug/kg
B-3 (4-5)	L1941584-15	1,1,1,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	0.89	0.24	ug/kg
B-3 (4-5)	L1941584-15	ACRYLONITRILE	9/17/2019		Y	N	U		U	7.1	2.0	ug/kg
B-3 (4-5)	L1941584-15	BROMOBENZENE	9/17/2019		Y	N	U		U	3.6	0.26	ug/kg
B-3 (4-5)	L1941584-15	P-CHLOROTOLUENE	9/17/2019		Y	N	U		U	3.6	0.19	ug/kg
B-3 (4-5)	L1941584-15	1,1-DICHLOROETHANE	9/17/2019		Y	N	U		U	1.8	0.26	ug/kg
B-3 (4-5)	L1941584-15	O-XYLENE	9/17/2019		Y	N	U		U	1.8	0.52	ug/kg
B-3 (4-5)	L1941584-15	N-PROPYLBENZENE	9/17/2019		Y	N	U		U	1.8	0.30	ug/kg
B-3 (4-5)	L1941584-15	N-BUTYLBENZENE	9/17/2019		Y	N	U		U	1.8	0.30	ug/kg
B-3 (4-5)	L1941584-15	DIBROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	1.8	0.25	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (4-5)	L1941584-15	METHYLENE CHLORIDE	9/17/2019		Y	N	U		U	8.9	4.1	ug/kg
B-3 (4-5)	L1941584-15	DIBROMOMETHANE	9/17/2019		Y	N	U		U	3.6	0.42	ug/kg
B-3 (4-5)	L1941584-15	ISOPROPYLBENZENE	9/17/2019		Y	N	U		U	1.8	0.19	ug/kg
B-3 (4-5)	L1941584-15	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	7.1	0.30	ug/kg
B-3 (4-5)	L1941584-15	ETHYLBENZENE	9/17/2019		Y	N	U		U	1.8	0.25	ug/kg
B-3 (4-5)	L1941584-15	ETHYL ETHER	9/17/2019		Y	N	U		U	3.6	0.61	ug/kg
B-3 (4-5)	L1941584-15	P-ISOPROPYLTOLUENE	9/17/2019		Y	N	U		U	1.8	0.19	ug/kg
B-3 (4-5)	L1941584-15	TOLUENE	9/17/2019		Y	N	U		U	1.8	0.97	ug/kg
B-3 (4-5)	L1941584-15	O-CHLOROTOLUENE	9/17/2019		Y	N	U		U	3.6	0.34	ug/kg
B-3 (4-5)	L1941584-15	DICHLORODIFLUOROMETHANE	9/17/2019		Y	N	U		U	18	1.6	ug/kg
B-3 (4-5)	L1941584-15	CIS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	0.89	0.28	ug/kg
B-3 (4-5)	L1941584-15	VINYL CHLORIDE	9/17/2019		Y	N	U		U	1.8	0.60	ug/kg
B-3 (4-5)	L1941584-15	VINYL ACETATE	9/17/2019		Y	N	U		U	18	3.8	ug/kg
B-3 (4-5)	L1941584-15	TRICHLOROFLUOROMETHANE	9/17/2019		Y	N	U		U	7.1	1.2	ug/kg
B-3 (4-5)	L1941584-15	BROMODICHLOROMETHANE	9/17/2019		Y	N	U		U	0.89	0.19	ug/kg
B-3 (4-5)	L1941584-15	TRICHLOROETHENE	9/17/2019		Y	N	U		U	0.89	0.24	ug/kg
B-3 (4-5)	L1941584-15	TRANS-1,4-DICHLORO-2-BUTENE	9/17/2019		Y	N	U		U	8.9	2.5	ug/kg
B-3 (4-5)	L1941584-15	TRANS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	1.8	0.49	ug/kg
B-3 (4-5)	L1941584-15	XYLENE (TOTAL)	9/17/2019		Y	N	U		U	1.8	0.52	ug/kg
B-3 (4-5)	L1941584-15	TERT-BUTYLBENZENE	9/17/2019		Y	N	U		U	3.6	0.21	ug/kg
B-3 (4-5)	L1941584-15	STYRENE	9/17/2019		Y	N	U		U	1.8	0.35	ug/kg
B-3 (4-5)	L1941584-15	SEC-BUTYLBENZENE	9/17/2019		Y	N	U		U	1.8	0.26	ug/kg
B-3 (4-5)	L1941584-15	1,2,3-TRICHLOROPROPANE	9/17/2019		Y	N	U		U	3.6	0.23	ug/kg
B-3 (4-5)	L1941584-15	1,2-DIBROMOETHANE	9/17/2019		Y	N	U		U	1.8	0.50	ug/kg
B-3 (4-5)	L1941584-15	1,2,4,5-TETRAMETHYLBENZENE	9/17/2019		Y	N	U		U	3.6	0.34	ug/kg

Analytical Method	SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (4-5)	L1941584-15	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	3.6	0.48	ug/kg
B-3 (4-5)	L1941584-15	1,2-DIBROMO-3-CHLOROPROPANE	9/17/2019		Y	N	U		U	5.4	1.8	ug/kg
B-3 (4-5)	L1941584-15	BROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	3.6	0.37	ug/kg
B-3 (4-5)	L1941584-15	ETHYLBENZENE	9/18/2019	6.6	Y	Y	J		J	44	6.3	ug/kg
B-3 (4-5)	L1941584-15	2,2-DICHLOROPROPANE	9/18/2019		Y	N	U		U	89	9.0	ug/kg
B-3 (4-5)	L1941584-15	1,4-DIETHYLBENZENE	9/18/2019		Y	N	U		U	89	7.9	ug/kg
B-3 (4-5)	L1941584-15	CARBON DISULFIDE	9/18/2019		Y	N	U		U	440	200	ug/kg
B-3 (4-5)	L1941584-15	CYCLOTRISILOXANE, HEXAMETHYL-	9/18/2019	150	Y	Y	NJ		J			
B-3 (4-5)	L1941584-15	2-HEXANONE	9/18/2019		Y	N	U		U	440	53	ug/kg
B-3 (4-5)	L1941584-15	BROMODICHLOROMETHANE	9/18/2019		Y	N	U		U	22	4.9	ug/kg
B-3 (4-5)	L1941584-15	ACRYLONITRILE	9/18/2019		Y	N	U		U	180	51	ug/kg
B-3 (4-5)	L1941584-15	ACETONE	9/18/2019		Y	N	U		U	440	210	ug/kg
B-3 (4-5)	L1941584-15	BROMOCHLOROMETHANE	9/18/2019		Y	N	U		U	89	9.1	ug/kg
B-3 (4-5)	L1941584-15	BROMOFORM	9/18/2019		Y	N	U		U	180	11	ug/kg
B-3 (4-5)	L1941584-15	BROMOMETHANE	9/18/2019		Y	N	U		U	89	26	ug/kg
B-3 (4-5)	L1941584-15	BENZENE	9/18/2019		Y	N	U		U	22	7.4	ug/kg
B-3 (4-5)	L1941584-15	4-METHYL-2-PENTANONE	9/18/2019		Y	N	U		U	440	57	ug/kg
B-3 (4-5)	L1941584-15	4-ETHYLTOLUENE	9/18/2019		Y	N	U		U	89	17	ug/kg
B-3 (4-5)	L1941584-15	BROMOBENZENE	9/18/2019		Y	N	U		U	89	6.5	ug/kg
B-3 (4-5)	L1941584-15	1,2,4-TRIMETHYLBENZENE	9/18/2019		Y	N	U		U	89	15	ug/kg
B-3 (4-5)	L1941584-15	1,2-DIBROMO-3-CHLOROPROPANE	9/18/2019		Y	N	U		U	130	44	ug/kg
B-3 (4-5)	L1941584-15	TRICHLOROFLUOROMETHANE	9/18/2019		Y	N	U		U	180	31	ug/kg
B-3 (4-5)	L1941584-15	1,1,2-TRICHLOROETHANE	9/18/2019		Y	N	U		U	44	12	ug/kg
B-3 (4-5)	L1941584-15	TRANS-1,4-DICHLORO-2-BUTENE	9/18/2019		Y	N	U		U	220	63	ug/kg
B-3 (4-5)	L1941584-15	TRANS-1,3-DICHLOROPROPENE	9/18/2019		Y	N	U		U	44	12	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (4-5)	L1941584-15	TRANS-1,2-DICHLOROETHENE	9/18/2019		Y	N	U		U	67	6.1	ug/kg
B-3 (4-5)	L1941584-15	TOLUENE	9/18/2019		Y	N	U		U	44	24	ug/kg
B-3 (4-5)	L1941584-15	TETRACHLOROETHENE	9/18/2019		Y	N	U		U	22	8.7	ug/kg
B-3 (4-5)	L1941584-15	TERT-BUTYLBENZENE	9/18/2019		Y	N	U		U	89	5.3	ug/kg
B-3 (4-5)	L1941584-15	STYRENE	9/18/2019		Y	N	U		U	44	8.7	ug/kg
B-3 (4-5)	L1941584-15	O-XYLENE	9/18/2019		Y	N	U		U	44	13	ug/kg
B-3 (4-5)	L1941584-15	1,2-DIBROMOETHANE	9/18/2019		Y	N	U		U	44	12	ug/kg
B-3 (4-5)	L1941584-15	P/M-XYLENE	9/18/2019		Y	N	U		U	89	25	ug/kg
B-3 (4-5)	L1941584-15	VINYL CHLORIDE	9/18/2019		Y	N	U		U	44	15	ug/kg
B-3 (4-5)	L1941584-15	1,2,3-TRICHLOROBENZENE	9/18/2019		Y	N	U		U	89	14	ug/kg
B-3 (4-5)	L1941584-15	2-BUTANONE	9/18/2019		Y	N	U		U	440	99	ug/kg
B-3 (4-5)	L1941584-15	SEC-BUTYLBENZENE	9/18/2019		Y	N	U		U	44	6.5	ug/kg
B-3 (4-5)	L1941584-15	1,1-DICHLOROETHANE	9/18/2019		Y	N	U		U	44	6.5	ug/kg
B-3 (4-5)	L1941584-15	1,1,2,2-TETRACHLOROETHANE	9/18/2019		Y	N	U		U	22	7.4	ug/kg
B-3 (4-5)	L1941584-15	1,1-DICHLOROETHENE	9/18/2019		Y	N	U		U	44	11	ug/kg
B-3 (4-5)	L1941584-15	P-CHLOROTOLUENE	9/18/2019		Y	N	U		U	89	4.8	ug/kg
B-3 (4-5)	L1941584-15	1,1,1-TRICHLOROETHANE	9/18/2019		Y	N	U		U	22	7.4	ug/kg
B-3 (4-5)	L1941584-15	XYLENE (TOTAL)	9/18/2019		Y	N	U		U	44	13	ug/kg
B-3 (4-5)	L1941584-15	1,2,3-TRICHLOROPROPANE	9/18/2019		Y	N	U		U	89	5.7	ug/kg
B-3 (4-5)	L1941584-15	1,1,1,2-TETRACHLOROETHANE	9/18/2019		Y	N	U		U	22	5.9	ug/kg
B-3 (4-5)	L1941584-15	1,2,4,5-TETRAMETHYLBENZENE	9/18/2019		Y	N	U		U	89	8.5	ug/kg
B-3 (4-5)	L1941584-15	1,2,4-TRICHLOROBENZENE	9/18/2019		Y	N	U		U	89	12	ug/kg
B-3 (4-5)	L1941584-15	P-ISOPROPYLTOLUENE	9/18/2019		Y	N	U		U	44	4.9	ug/kg
B-3 (4-5)	L1941584-15	VINYL ACETATE	9/18/2019		Y	N	U		U	440	96	ug/kg
B-3 (4-5)	L1941584-15	1,1-DICHLOROPROPENE	9/18/2019		Y	N	U		U	22	7.1	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (4-5)	L1941584-15	CHLOROBENZENE	9/18/2019		Y	N	U		U	22	5.7	ug/kg
B-3 (4-5)	L1941584-15	1,4-DICHLOROBENZENE	9/18/2019		Y	N	U		U	89	7.6	ug/kg
B-3 (4-5)	L1941584-15	DICHLORODIFLUOROMETHANE	9/18/2019		Y	N	U		U	440	41	ug/kg
B-3 (4-5)	L1941584-15	ETHYL ETHER	9/18/2019		Y	N	U		U	89	15	ug/kg
B-3 (4-5)	L1941584-15	1,3-DICHLOROPROPENE, TOTAL	9/18/2019		Y	N	U		U	22	7.0	ug/kg
B-3 (4-5)	L1941584-15	CARBON TETRACHLORIDE	9/18/2019		Y	N	U		U	44	10	ug/kg
B-3 (4-5)	L1941584-15	HEXACHLOROBUTADIENE	9/18/2019		Y	N	U		U	180	7.5	ug/kg
B-3 (4-5)	L1941584-15	DIBROMOMETHANE	9/18/2019		Y	N	U		U	89	11	ug/kg
B-3 (4-5)	L1941584-15	1,3-DICHLOROPROPANE	9/18/2019		Y	N	U		U	89	7.4	ug/kg
B-3 (4-5)	L1941584-15	ISOPROPYLBENZENE	9/18/2019		Y	N	U		U	44	4.9	ug/kg
B-3 (4-5)	L1941584-15	1,3-DICHLOROBENZENE	9/18/2019		Y	N	U		U	89	6.6	ug/kg
B-3 (4-5)	L1941584-15	METHYL TERT BUTYL ETHER	9/18/2019		Y	N	U		U	89	9.0	ug/kg
B-3 (4-5)	L1941584-15	TRICHLOROETHENE	9/18/2019		Y	N	U		U	22	6.1	ug/kg
B-3 (4-5)	L1941584-15	1,3,5-TRIMETHYLBENZENE	9/18/2019		Y	N	U		U	89	8.6	ug/kg
B-3 (4-5)	L1941584-15	CIS-1,3-DICHLOROPROPENE	9/18/2019		Y	N	U		U	22	7.0	ug/kg
B-3 (4-5)	L1941584-15	O-CHLOROTOLUENE	9/18/2019		Y	N	U		U	89	8.5	ug/kg
B-3 (4-5)	L1941584-15	CIS-1,2-DICHLOROETHENE	9/18/2019		Y	N	U		U	44	7.8	ug/kg
B-3 (4-5)	L1941584-15	CHLOROMETHANE	9/18/2019		Y	N	U		U	180	42	ug/kg
B-3 (4-5)	L1941584-15	CHLOROFORM	9/18/2019		Y	N	U		U	67	6.2	ug/kg
B-3 (4-5)	L1941584-15	1,2-DICHLOROBENZENE	9/18/2019		Y	N	U		U	89	6.4	ug/kg
B-3 (4-5)	L1941584-15	CHLOROETHANE	9/18/2019		Y	N	U		U	89	20	ug/kg
B-3 (4-5)	L1941584-15	METHYLENE CHLORIDE	9/18/2019		Y	N	U		U	220	100	ug/kg
B-3 (4-5)	L1941584-15	1,4-DIOXANE	9/18/2019		Y	N	U		U	3600	1600	ug/kg
B-3 (4-5)	L1941584-15	DIBROMOCHLOROMETHANE	9/18/2019		Y	N	U		U	44	6.2	ug/kg
B-3 (4-5)	L1941584-15	1,2-DICHLOROETHANE	9/18/2019		Y	N	U		U	44	11	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (4-5)	L1941584-15	N-PROPYLBENZENE	9/18/2019		Y	N	U		U	44	7.6	ug/kg
B-3 (4-5)	L1941584-15	N-BUTYLBENZENE	9/18/2019		Y	N	U		U	44	7.4	ug/kg
B-3 (4-5)	L1941584-15	1,2-DICHLOROETHENE (TOTAL)	9/18/2019		Y	N	U		U	44	6.1	ug/kg
B-3 (4-5)	L1941584-15	1,2-DICHLOROPROPANE	9/18/2019		Y	N	U		U	44	5.6	ug/kg
B-3 (4-5)	L1941584-15	NAPHTHALENE	9/18/2019		Y	N	U		U	180	29	ug/kg
B-3 (4-5)	L1941584-15	TOTAL TIC COMPOUNDS	9/18/2019	150	Y	Y	J		J			
B-3 (6-7)	L1941584-16	TRANS-1,2-DICHLOROETHENE	9/17/2019	0.25	Y	Y	J		J	1.6	0.14	ug/kg
B-3 (6-7)	L1941584-16	METHYL TERT BUTYL ETHER	9/17/2019	0.40	Y	Y	J		J	2.1	0.21	ug/kg
B-3 (6-7)	L1941584-16	ACETONE	9/17/2019	490	Y	Y	E	J	J	10	5.0	ug/kg
B-3 (6-7)	L1941584-16	1,2-DICHLOROETHENE (TOTAL)	9/17/2019	0.25	Y	Y	J		J	1.0	0.14	ug/kg
B-3 (6-7)	L1941584-16	1,1,1,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	0.52	0.14	ug/kg
B-3 (6-7)	L1941584-16	1,1,1-TRICHLOROETHANE	9/17/2019		Y	N	U		U	0.52	0.18	ug/kg
B-3 (6-7)	L1941584-16	2-BUTANONE	9/17/2019		Y	N	U	UJ	UJ	10	2.3	ug/kg
B-3 (6-7)	L1941584-16	1,1,2,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	0.52	0.17	ug/kg
B-3 (6-7)	L1941584-16	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	2.1	0.15	ug/kg
B-3 (6-7)	L1941584-16	1,4-DIETHYLBENZENE	9/17/2019		Y	N	U		U	2.1	0.19	ug/kg
B-3 (6-7)	L1941584-16	1,3-DICHLOROPROPENE, TOTAL	9/17/2019		Y	N	U		U	0.52	0.17	ug/kg
B-3 (6-7)	L1941584-16	1,3-DICHLOROPROPANE	9/17/2019		Y	N	U		U	2.1	0.18	ug/kg
B-3 (6-7)	L1941584-16	1,4-DIOXANE	9/17/2019		Y	N	U	UJ	UJ	84	37	ug/kg
B-3 (6-7)	L1941584-16	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	2.1	0.16	ug/kg
B-3 (6-7)	L1941584-16	2,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	2.1	0.21	ug/kg
B-3 (6-7)	L1941584-16	1,3,5-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	2.1	0.20	ug/kg
B-3 (6-7)	L1941584-16	1,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	1.0	0.13	ug/kg
B-3 (6-7)	L1941584-16	2-HEXANONE	9/17/2019		Y	N	U		U	10	1.2	ug/kg
B-3 (6-7)	L1941584-16	4-ETHYLTOLUENE	9/17/2019		Y	N	U		U	2.1	0.40	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (6-7)	L1941584-16	1,2,4-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	2.1	0.35	ug/kg
B-3 (6-7)	L1941584-16	4-METHYL-2-PENTANONE	9/17/2019		Y	N	U		U	10	1.3	ug/kg
B-3 (6-7)	L1941584-16	1,1,2-TRICHLOROETHANE	9/17/2019		Y	N	U		U	1.0	0.28	ug/kg
B-3 (6-7)	L1941584-16	1,2-DIBROMOETHANE	9/17/2019		Y	N	U		U	1.0	0.29	ug/kg
B-3 (6-7)	L1941584-16	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	2.1	0.18	ug/kg
B-3 (6-7)	L1941584-16	1,2-DIBROMO-3-CHLOROPROPANE	9/17/2019		Y	N	U		U	3.2	1.0	ug/kg
B-3 (6-7)	L1941584-16	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	2.1	0.28	ug/kg
B-3 (6-7)	L1941584-16	1,2,4,5-TETRAMETHYLBENZENE	9/17/2019		Y	N	U		U	2.1	0.20	ug/kg
B-3 (6-7)	L1941584-16	1,2,3-TRICHLOROPROPANE	9/17/2019		Y	N	U		U	2.1	0.13	ug/kg
B-3 (6-7)	L1941584-16	1,2,3-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	2.1	0.34	ug/kg
B-3 (6-7)	L1941584-16	1,1-DICHLOROPROPENE	9/17/2019		Y	N	U		U	0.52	0.17	ug/kg
B-3 (6-7)	L1941584-16	1,1-DICHLOROETHENE	9/17/2019		Y	N	U		U	1.0	0.25	ug/kg
B-3 (6-7)	L1941584-16	1,1-DICHLOROETHANE	9/17/2019		Y	N	U		U	1.0	0.15	ug/kg
B-3 (6-7)	L1941584-16	1,2-DICHLOROETHANE	9/17/2019		Y	N	U		U	1.0	0.27	ug/kg
B-3 (6-7)	L1941584-16	TRANS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	1.0	0.29	ug/kg
B-3 (6-7)	L1941584-16	BROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	2.1	0.22	ug/kg
B-3 (6-7)	L1941584-16	ETHYLBENZENE	9/17/2019		Y	N	U		U	1.0	0.15	ug/kg
B-3 (6-7)	L1941584-16	TETRACHLOROETHENE	9/17/2019		Y	N	U		U	0.52	0.21	ug/kg
B-3 (6-7)	L1941584-16	ETHYL ETHER	9/17/2019		Y	N	U		U	2.1	0.36	ug/kg
B-3 (6-7)	L1941584-16	TOLUENE	9/17/2019		Y	N	U		U	1.0	0.57	ug/kg
B-3 (6-7)	L1941584-16	BROMOMETHANE	9/17/2019		Y	N	U		U	2.1	0.61	ug/kg
B-3 (6-7)	L1941584-16	DIBROMOMETHANE	9/17/2019		Y	N	U		U	2.1	0.25	ug/kg
B-3 (6-7)	L1941584-16	STYRENE	9/17/2019		Y	N	U		U	1.0	0.21	ug/kg
B-3 (6-7)	L1941584-16	DIBROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	1.0	0.15	ug/kg
B-3 (6-7)	L1941584-16	O-CHLOROTOLUENE	9/17/2019		Y	N	U		U	2.1	0.20	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (6-7)	L1941584-16	CARBON DISULFIDE	9/17/2019		Y	N	U		U	10	4.8	ug/kg
B-3 (6-7)	L1941584-16	TRICHLOROETHENE	9/17/2019		Y	N	U		U	0.52	0.14	ug/kg
B-3 (6-7)	L1941584-16	BROMODICHLOROMETHANE	9/17/2019		Y	N	U		U	0.52	0.11	ug/kg
B-3 (6-7)	L1941584-16	TRICHLOROFLUOROMETHANE	9/17/2019		Y	N	U		U	4.2	0.73	ug/kg
B-3 (6-7)	L1941584-16	DICHLORODIFLUOROMETHANE	9/17/2019		Y	N	U		U	10	0.96	ug/kg
B-3 (6-7)	L1941584-16	P-CHLOROTOLUENE	9/17/2019		Y	N	U		U	2.1	0.11	ug/kg
B-3 (6-7)	L1941584-16	O-XYLENE	9/17/2019		Y	N	U		U	1.0	0.30	ug/kg
B-3 (6-7)	L1941584-16	N-PROPYLBENZENE	9/17/2019		Y	N	U		U	1.0	0.18	ug/kg
B-3 (6-7)	L1941584-16	TOTAL TIC COMPOUNDS	9/17/2019	278	Y	Y	J		J			
B-3 (6-7)	L1941584-16	N-BUTYLBENZENE	9/17/2019		Y	N	U		U	1.0	0.18	ug/kg
B-3 (6-7)	L1941584-16	P/M-XYLENE	9/17/2019		Y	N	U		U	2.1	0.59	ug/kg
B-3 (6-7)	L1941584-16	TERT-BUTYLBENZENE	9/17/2019		Y	N	U		U	2.1	0.12	ug/kg
B-3 (6-7)	L1941584-16	ETHYL ACETATE	9/17/2019	278	Y	Y	NJ		J			
B-3 (6-7)	L1941584-16	TRANS-1,4-DICHLORO-2-BUTENE	9/17/2019		Y	N	U		U	5.2	1.5	ug/kg
B-3 (6-7)	L1941584-16	BROMOFORM	9/17/2019		Y	N	U		U	4.2	0.26	ug/kg
B-3 (6-7)	L1941584-16	METHYLENE CHLORIDE	9/17/2019		Y	N	U		U	5.2	2.4	ug/kg
B-3 (6-7)	L1941584-16	P-ISOPROPYLTOLUENE	9/17/2019		Y	N	U		U	1.0	0.11	ug/kg
B-3 (6-7)	L1941584-16	SEC-BUTYLBENZENE	9/17/2019		Y	N	U		U	1.0	0.15	ug/kg
B-3 (6-7)	L1941584-16	ISOPROPYLBENZENE	9/17/2019		Y	N	U		U	1.0	0.11	ug/kg
B-3 (6-7)	L1941584-16	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	4.2	0.18	ug/kg
B-3 (6-7)	L1941584-16	NAPHTHALENE	9/17/2019		Y	N	U		U	4.2	0.68	ug/kg
B-3 (6-7)	L1941584-16	CIS-1,2-DICHLOROETHENE	9/17/2019		Y	N	U		U	1.0	0.18	ug/kg
B-3 (6-7)	L1941584-16	CARBON TETRACHLORIDE	9/17/2019		Y	N	U		U	1.0	0.24	ug/kg
B-3 (6-7)	L1941584-16	BENZENE	9/17/2019		Y	N	U		U	0.52	0.17	ug/kg
B-3 (6-7)	L1941584-16	XYLENE (TOTAL)	9/17/2019		Y	N	U		U	1.0	0.30	ug/kg

SDG: L1941584

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (6-7)	L1941584-16	CIS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	0.52	0.17	ug/kg
B-3 (6-7)	L1941584-16	ACRYLONITRILE	9/17/2019		Y	N	U		U	4.2	1.2	ug/kg
B-3 (6-7)	L1941584-16	VINYL CHLORIDE	9/17/2019		Y	N	U		U	1.0	0.35	ug/kg
B-3 (6-7)	L1941584-16	CHLOROBENZENE	9/17/2019		Y	N	U		U	0.52	0.13	ug/kg
B-3 (6-7)	L1941584-16	BROMOBENZENE	9/17/2019		Y	N	U		U	2.1	0.15	ug/kg
B-3 (6-7)	L1941584-16	CHLOROMETHANE	9/17/2019		Y	N	U		U	4.2	0.98	ug/kg
B-3 (6-7)	L1941584-16	CHLOROFORM	9/17/2019		Y	N	U		U	1.6	0.15	ug/kg
B-3 (6-7)	L1941584-16	CHLOROETHANE	9/17/2019		Y	N	U		U	2.1	0.48	ug/kg
B-3 (6-7)	L1941584-16	VINYL ACETATE	9/17/2019		Y	N	U		U	10	2.2	ug/kg
B-3 (6-7)	L1941584-16	1,2-DICHLOROETHENE (TOTAL)	9/18/2019		Y	N	U		U	55	7.5	ug/kg
B-3 (6-7)	L1941584-16	2-HEXANONE	9/18/2019		Y	N	U		U	550	65	ug/kg
B-3 (6-7)	L1941584-16	HEXACHLOROBUTADIENE	9/18/2019		Y	N	U		U	220	9.3	ug/kg
B-3 (6-7)	L1941584-16	CHLOROBENZENE	9/18/2019		Y	N	U		U	28	7.0	ug/kg
B-3 (6-7)	L1941584-16	UNKNOWN	9/18/2019	125	Y	Y	J		J			
B-3 (6-7)	L1941584-16	1,2-DIBROMOETHANE	9/18/2019		Y	N	U		U	55	15	ug/kg
B-3 (6-7)	L1941584-16	N-PROPYLBENZENE	9/18/2019		Y	N	U		U	55	9.4	ug/kg
B-3 (6-7)	L1941584-16	CIS-1,3-DICHLOROPROPENE	9/18/2019		Y	N	U		U	28	8.7	ug/kg
B-3 (6-7)	L1941584-16	ISOPROPYLBENZENE	9/18/2019		Y	N	U		U	55	6.0	ug/kg
B-3 (6-7)	L1941584-16	1,2-DICHLOROBENZENE	9/18/2019		Y	N	U		U	110	7.9	ug/kg
B-3 (6-7)	L1941584-16	CHLOROETHANE	9/18/2019		Y	N	U		U	110	25	ug/kg
B-3 (6-7)	L1941584-16	CYCLOTRISILOXANE, HEXAMETHYL-	9/18/2019	158	Y	Y	NJ		J			
B-3 (6-7)	L1941584-16	METHYLENE CHLORIDE	9/18/2019		Y	N	U		U	280	130	ug/kg
B-3 (6-7)	L1941584-16	N-BUTYLBENZENE	9/18/2019		Y	N	U		U	55	9.2	ug/kg
B-3 (6-7)	L1941584-16	CHLOROFORM	9/18/2019		Y	N	U		U	82	7.7	ug/kg
B-3 (6-7)	L1941584-16	TOTAL TIC COMPOUNDS	9/18/2019	283	Y	Y	J		J			

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (6-7)	L1941584-16	2,2-DICHLOROPROPANE	9/18/2019		Y	N	U		U	110	11	ug/kg
B-3 (6-7)	L1941584-16	BROMOFORM	9/18/2019		Y	N	U		U	220	14	ug/kg
B-3 (6-7)	L1941584-16	4-METHYL-2-PENTANONE	9/18/2019		Y	N	U		U	550	70	ug/kg
B-3 (6-7)	L1941584-16	CIS-1,2-DICHLOROETHENE	9/18/2019		Y	N	U		U	55	9.6	ug/kg
B-3 (6-7)	L1941584-16	CHLOROMETHANE	9/18/2019		Y	N	U		U	220	51	ug/kg
B-3 (6-7)	L1941584-16	1,2-DICHLOROETHANE	9/18/2019		Y	N	U		U	55	14	ug/kg
B-3 (6-7)	L1941584-16	NAPHTHALENE	9/18/2019		Y	N	U		U	220	36	ug/kg
B-3 (6-7)	L1941584-16	4-ETHYLTOLUENE	9/18/2019		Y	N	U		U	110	21	ug/kg
B-3 (6-7)	L1941584-16	METHYL TERT BUTYL ETHER	9/18/2019		Y	N	U		U	110	11	ug/kg
B-3 (6-7)	L1941584-16	1,3-DICHLOROPROPANE	9/18/2019		Y	N	U		U	110	9.2	ug/kg
B-3 (6-7)	L1941584-16	CARBON TETRACHLORIDE	9/18/2019		Y	N	U		U	55	13	ug/kg
B-3 (6-7)	L1941584-16	1,1-DICHLOROPROPENE	9/18/2019		Y	N	U		U	28	8.8	ug/kg
B-3 (6-7)	L1941584-16	1,1-DICHLOROETHENE	9/18/2019		Y	N	U		U	55	13	ug/kg
B-3 (6-7)	L1941584-16	1,1-DICHLOROETHANE	9/18/2019		Y	N	U		U	55	8.0	ug/kg
B-3 (6-7)	L1941584-16	1,3-DICHLOROPROPENE, TOTAL	9/18/2019		Y	N	U		U	28	8.7	ug/kg
B-3 (6-7)	L1941584-16	1,1,2-TRICHLOROETHANE	9/18/2019		Y	N	U		U	55	15	ug/kg
B-3 (6-7)	L1941584-16	1,1,2,2-TETRACHLOROETHANE	9/18/2019		Y	N	U		U	28	9.1	ug/kg
B-3 (6-7)	L1941584-16	1,4-DICHLOROBENZENE	9/18/2019		Y	N	U		U	110	9.4	ug/kg
B-3 (6-7)	L1941584-16	1,2,3-TRICHLOROBENZENE	9/18/2019		Y	N	U		U	110	18	ug/kg
B-3 (6-7)	L1941584-16	1,2,3-TRICHLOROPROPANE	9/18/2019		Y	N	U		U	110	7.0	ug/kg
B-3 (6-7)	L1941584-16	1,1,1-TRICHLOROETHANE	9/18/2019		Y	N	U		U	28	9.2	ug/kg
B-3 (6-7)	L1941584-16	1,2-DIBROMO-3-CHLOROPROPANE	9/18/2019		Y	N	U		U	160	55	ug/kg
B-3 (6-7)	L1941584-16	CARBON DISULFIDE	9/18/2019		Y	N	U		U	550	250	ug/kg
B-3 (6-7)	L1941584-16	1,2-DICHLOROPROPANE	9/18/2019		Y	N	U		U	55	6.9	ug/kg
B-3 (6-7)	L1941584-16	1,3-DICHLOROBENZENE	9/18/2019		Y	N	U		U	110	8.1	ug/kg

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (6-7)	L1941584-16	1,2,4,5-TETRAMETHYLBENZENE	9/18/2019		Y	N	U		U	110	10	ug/kg
B-3 (6-7)	L1941584-16	DIBROMOCHLOROMETHANE	9/18/2019		Y	N	U		U	55	7.7	ug/kg
B-3 (6-7)	L1941584-16	1,2,4-TRICHLOROBENZENE	9/18/2019		Y	N	U		U	110	15	ug/kg
B-3 (6-7)	L1941584-16	DIBROMOMETHANE	9/18/2019		Y	N	U		U	110	13	ug/kg
B-3 (6-7)	L1941584-16	DICHLORODIFLUOROMETHANE	9/18/2019		Y	N	U		U	550	50	ug/kg
B-3 (6-7)	L1941584-16	1,3,5-TRIMETHYLBENZENE	9/18/2019		Y	N	U		U	110	11	ug/kg
B-3 (6-7)	L1941584-16	1,4-DIOXANE	9/18/2019		Y	N	U		U	4400	1900	ug/kg
B-3 (6-7)	L1941584-16	1,2,4-TRIMETHYLBENZENE	9/18/2019		Y	N	U		U	110	18	ug/kg
B-3 (6-7)	L1941584-16	ETHYL ETHER	9/18/2019		Y	N	U		U	110	19	ug/kg
B-3 (6-7)	L1941584-16	BROMOMETHANE	9/18/2019		Y	N	U		U	110	32	ug/kg
B-3 (6-7)	L1941584-16	ETHYLBENZENE	9/18/2019		Y	N	U		U	55	7.8	ug/kg
B-3 (6-7)	L1941584-16	1,4-DIETHYLBENZENE	9/18/2019		Y	N	U		U	110	9.7	ug/kg
B-3 (6-7)	L1941584-16	1,1,1,2-TETRACHLOROETHANE	9/18/2019		Y	N	U		U	28	7.3	ug/kg
B-3 (6-7)	L1941584-16	BROMODICHLOROMETHANE	9/18/2019		Y	N	U		U	28	6.0	ug/kg
B-3 (6-7)	L1941584-16	P-ISOPROPYLTOLUENE	9/18/2019		Y	N	U		U	55	6.0	ug/kg
B-3 (6-7)	L1941584-16	SEC-BUTYLBENZENE	9/18/2019		Y	N	U		U	55	8.0	ug/kg
B-3 (6-7)	L1941584-16	STYRENE	9/18/2019		Y	N	U		U	55	11	ug/kg
B-3 (6-7)	L1941584-16	TERT-BUTYLBENZENE	9/18/2019		Y	N	U		U	110	6.5	ug/kg
B-3 (6-7)	L1941584-16	TETRACHLOROETHENE	9/18/2019		Y	N	U		U	28	11	ug/kg
B-3 (6-7)	L1941584-16	TOLUENE	9/18/2019		Y	N	U		U	55	30	ug/kg
B-3 (6-7)	L1941584-16	TRANS-1,2-DICHLOROETHENE	9/18/2019		Y	N	U		U	82	7.5	ug/kg
B-3 (6-7)	L1941584-16	TRANS-1,3-DICHLOROPROPENE	9/18/2019		Y	N	U		U	55	15	ug/kg
B-3 (6-7)	L1941584-16	2-BUTANONE	9/18/2019		Y	N	U		U	550	120	ug/kg
B-3 (6-7)	L1941584-16	O-CHLOROTOLUENE	9/18/2019		Y	N	U		U	110	10	ug/kg
B-3 (6-7)	L1941584-16	TRICHLOROETHENE	9/18/2019		Y	N	U		U	28	7.5	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (6-7)	L1941584-16	TRICHLOROFLUOROMETHANE	9/18/2019		Y	N	U		U	220	38	ug/kg
B-3 (6-7)	L1941584-16	BROMOCHLOROMETHANE	9/18/2019		Y	N	U		U	110	11	ug/kg
B-3 (6-7)	L1941584-16	VINYL ACETATE	9/18/2019		Y	N	U		U	550	120	ug/kg
B-3 (6-7)	L1941584-16	BROMOBENZENE	9/18/2019		Y	N	U		U	110	8.0	ug/kg
B-3 (6-7)	L1941584-16	VINYL CHLORIDE	9/18/2019		Y	N	U		U	55	18	ug/kg
B-3 (6-7)	L1941584-16	BENZENE	9/18/2019		Y	N	U		U	28	9.1	ug/kg
B-3 (6-7)	L1941584-16	XYLENE (TOTAL)	9/18/2019		Y	N	U		U	55	16	ug/kg
B-3 (6-7)	L1941584-16	ACRYLONITRILE	9/18/2019		Y	N	U		U	220	63	ug/kg
B-3 (6-7)	L1941584-16	ACETONE	9/18/2019		Y	N	U		U	550	260	ug/kg
B-3 (6-7)	L1941584-16	TRANS-1,4-DICHLORO-2-BUTENE	9/18/2019		Y	N	U		U	280	78	ug/kg
B-3 (6-7)	L1941584-16	P-CHLOROTOLUENE	9/18/2019		Y	N	U		U	110	5.9	ug/kg
B-3 (6-7)	L1941584-16	P/M-XYLENE	9/18/2019		Y	N	U		U	110	31	ug/kg
B-3 (6-7)	L1941584-16	O-XYLENE	9/18/2019		Y	N	U		U	55	16	ug/kg
B-4 (4-5)	L1941584-04	O-XYLENE	9/16/2019	57	Y	Y	J		J	76	22	ug/kg
B-4 (4-5)	L1941584-04	1,3,5-TRIMETHYLBENZENE	9/16/2019	31	Y	Y	J		J	150	15	ug/kg
B-4 (4-5)	L1941584-04	1,4-DICHLOROBENZENE	9/16/2019	88	Y	Y	J		J	150	13	ug/kg
B-4 (4-5)	L1941584-04	BENZENE	9/16/2019	13	Y	Y	J		J	38	13	ug/kg
B-4 (4-5)	L1941584-04	CHLOROFORM	9/16/2019		Y	N	J	U	U	110	11	ug/kg
B-4 (4-5)	L1941584-04	TERT-BUTYLBENZENE	9/16/2019	12	Y	Y	J		J	150	9.0	ug/kg
B-4 (4-5)	L1941584-04	XYLENE (TOTAL)	9/16/2019	230	Y	Y	J		J	76	22	ug/kg
B-4 (4-5)	L1941584-04	UNKNOWN AROMATIC	9/16/2019	2520	Y	Y	J		J			
B-4 (4-5)	L1941584-04	P-ISOPROPYLTOLUENE	9/16/2019	27	Y	Y	J		J	76	8.3	ug/kg
B-4 (4-5)	L1941584-04	ISOPROPYLBENZENE	9/16/2019	36	Y	Y	J		J	76	8.3	ug/kg
B-4 (4-5)	L1941584-04	UNKNOWN AROMATIC	9/16/2019	2080	Y	Y	J		J			
B-4 (4-5)	L1941584-04	UNKNOWN NAPHTHALENE	9/16/2019	4550	Y	Y	J		J			

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (4-5)	L1941584-04	UNKNOWN BENZENE	9/16/2019	3360	Y	Y	J		J			
B-4 (4-5)	L1941584-04	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	76	20	ug/kg
B-4 (4-5)	L1941584-04	UNKNOWN	9/16/2019	3330	Y	Y	J		J			
B-4 (4-5)	L1941584-04	UNKNOWN AROMATIC	9/16/2019	2790	Y	Y	J		J			
B-4 (4-5)	L1941584-04	TOTAL TIC COMPOUNDS	9/16/2019	40200	Y	Y	J		J			
B-4 (4-5)	L1941584-04	UNKNOWN	9/16/2019	1790	Y	Y	J		J			
B-4 (4-5)	L1941584-04	UNKNOWN	9/16/2019	4110	Y	Y	J		J			
B-4 (4-5)	L1941584-04	UNKNOWN	9/16/2019	3100	Y	Y	J		J			
B-4 (4-5)	L1941584-04	UNKNOWN	9/16/2019	1800	Y	Y	J		J			
B-4 (4-5)	L1941584-04	UNKNOWN	9/16/2019	1930	Y	Y	J		J			
B-4 (4-5)	L1941584-04	UNKNOWN	9/16/2019	1930	Y	Y	J		J			
B-4 (4-5)	L1941584-04	UNKNOWN	9/16/2019	2020	Y	Y	J		J			
B-4 (4-5)	L1941584-04	UNKNOWN AROMATIC	9/16/2019	3310	Y	Y	J		J			
B-4 (4-5)	L1941584-04	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	38	15	ug/kg
B-4 (4-5)	L1941584-04	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	150	16	ug/kg
B-4 (4-5)	L1941584-04	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	38	8.3	ug/kg
B-4 (4-5)	L1941584-04	BROMOFORM	9/16/2019		Y	N	U		U	300	19	ug/kg
B-4 (4-5)	L1941584-04	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	76	18	ug/kg
B-4 (4-5)	L1941584-04	CHLOROBENZENE	9/16/2019		Y	N	U		U	38	9.7	ug/kg
B-4 (4-5)	L1941584-04	1,1-DICHLOROETHANE	9/16/2019		Y	N	U	UJ	UJ	76	11	ug/kg
B-4 (4-5)	L1941584-04	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	76	11	ug/kg
B-4 (4-5)	L1941584-04	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	76	21	ug/kg
B-4 (4-5)	L1941584-04	BROMOMETHANE	9/16/2019		Y	N	U	UJ	UJ	150	44	ug/kg
B-4 (4-5)	L1941584-04	CARBON DISULFIDE	9/16/2019		Y	N	U	UJ	UJ	760	350	ug/kg
B-4 (4-5)	L1941584-04	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	300	13	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (4-5)	L1941584-04	METHYL TERT BUTYL ETHER	9/16/2019		Y	N	U		U	150	15	ug/kg
B-4 (4-5)	L1941584-04	BROMOBENZENE	9/16/2019		Y	N	U		U	150	11	ug/kg
B-4 (4-5)	L1941584-04	STYRENE	9/16/2019		Y	N	U		U	76	15	ug/kg
B-4 (4-5)	L1941584-04	2-HEXANONE	9/16/2019		Y	N	U	UJ	UJ	760	90	ug/kg
B-4 (4-5)	L1941584-04	TRICHLOROETHENE	9/16/2019		Y	N	U		U	38	10	ug/kg
B-4 (4-5)	L1941584-04	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	300	53	ug/kg
B-4 (4-5)	L1941584-04	UNKNOWN AROMATIC	9/16/2019	1600	Y	Y	J		J			
B-4 (4-5)	L1941584-04	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	380	110	ug/kg
B-4 (4-5)	L1941584-04	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	76	21	ug/kg
B-4 (4-5)	L1941584-04	TRANS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	110	10	ug/kg
B-4 (4-5)	L1941584-04	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	150	8.2	ug/kg
B-4 (4-5)	L1941584-04	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	150	14	ug/kg
B-4 (4-5)	L1941584-04	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	38	12	ug/kg
B-4 (4-5)	L1941584-04	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	76	13	ug/kg
B-4 (4-5)	L1941584-04	CHLOROETHANE	9/16/2019		Y	N	U	UJ	UJ	150	34	ug/kg
B-4 (4-5)	L1941584-04	VINYL ACETATE	9/16/2019		Y	N	U		U	760	160	ug/kg
B-4 (4-5)	L1941584-04	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	380	170	ug/kg
B-4 (4-5)	L1941584-04	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	38	13	ug/kg
B-4 (4-5)	L1941584-04	DIBROMOMETHANE	9/16/2019		Y	N	U		U	150	18	ug/kg
B-4 (4-5)	L1941584-04	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	150	24	ug/kg
B-4 (4-5)	L1941584-04	ACRYLONITRILE	9/16/2019		Y	N	U		U	300	88	ug/kg
B-4 (4-5)	L1941584-04	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	150	9.7	ug/kg
B-4 (4-5)	L1941584-04	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	38	12	ug/kg
B-4 (4-5)	L1941584-04	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	150	21	ug/kg
B-4 (4-5)	L1941584-04	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	76	18	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (4-5)	L1941584-04	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U	UJ	UJ	760	70	ug/kg
B-4 (4-5)	L1941584-04	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	38	13	ug/kg
B-4 (4-5)	L1941584-04	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	230	76	ug/kg
B-4 (4-5)	L1941584-04	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	150	11	ug/kg
B-4 (4-5)	L1941584-04	1,4-DIOXANE	9/16/2019		Y	N	U	UJ	UJ	6100	2700	ug/kg
B-4 (4-5)	L1941584-04	ACETONE	9/16/2019		Y	N	U		U	760	370	ug/kg
B-4 (4-5)	L1941584-04	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	760	98	ug/kg
B-4 (4-5)	L1941584-04	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	76	20	ug/kg
B-4 (4-5)	L1941584-04	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	150	15	ug/kg
B-4 (4-5)	L1941584-04	1,2-DICHLOROETHENE (TOTAL)	9/16/2019		Y	N	U		U	76	10	ug/kg
B-4 (4-5)	L1941584-04	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	38	12	ug/kg
B-4 (4-5)	L1941584-04	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	150	13	ug/kg
B-4 (4-5)	L1941584-04	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	38	10	ug/kg
B-4 (4-5)	L1941584-04	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	150	11	ug/kg
B-4 (4-5)	L1941584-04	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	76	9.5	ug/kg
B-4 (4-5)	L1941584-04	2-BUTANONE	9/16/2019		Y	N	U		U	760	170	ug/kg
B-4 (4-5)	L1941584-04	VINYL CHLORIDE	9/16/2019		Y	N	U	UJ	UJ	76	26	ug/kg
B-4 (4-5)	L1941584-04	ETHYL ETHER	9/16/2019		Y	N	U	UJ	UJ	150	26	ug/kg
B-4 (4-5)	L1941584-04	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019	880	Y	Y				150	14	ug/kg
B-4 (4-5)	L1941584-04	1,2,4-TRIMETHYLBENZENE	9/16/2019	180	Y	Y				150	26	ug/kg
B-4 (4-5)	L1941584-04	NAPHTHALENE	9/16/2019	1000	Y	Y		J	J	300	50	ug/kg
B-4 (4-5)	L1941584-04	TOLUENE	9/16/2019	98	Y	Y				76	41	ug/kg
B-4 (4-5)	L1941584-04	N-BUTYLBENZENE	9/16/2019	220	Y	Y				76	13	ug/kg
B-4 (4-5)	L1941584-04	CHLOROMETHANE	9/16/2019		Y	N	U	UJ	UJ	300	71	ug/kg
B-4 (4-5)	L1941584-04	4-ETHYLTOLUENE	9/16/2019	210	Y	Y				150	29	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (4-5)	L1941584-04	N-PROPYLBENZENE	9/16/2019	120	Y	Y				76	13	ug/kg
B-4 (4-5)	L1941584-04	1,4-DIETHYLBENZENE	9/16/2019	180	Y	Y				150	14	ug/kg
B-4 (4-5)	L1941584-04	SEC-BUTYLBENZENE	9/16/2019	210	Y	Y				76	11	ug/kg
B-4 (4-5)	L1941584-04	P/M-XYLENE	9/16/2019	170	Y	Y				150	43	ug/kg
B-4 (4-5)	L1941584-04	ETHYLBENZENE	9/16/2019	100	Y	Y				76	11	ug/kg
B-4 (7-8)	L1941584-05	VINYL ACETATE	9/16/2019		Y	N	U		U	10	2.3	ug/kg
B-4 (7-8)	L1941584-05	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	4.2	0.18	ug/kg
B-4 (7-8)	L1941584-05	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.1	0.20	ug/kg
B-4 (7-8)	L1941584-05	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.18	ug/kg
B-4 (7-8)	L1941584-05	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.53	0.17	ug/kg
B-4 (7-8)	L1941584-05	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	1.0	0.18	ug/kg
B-4 (7-8)	L1941584-05	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	1.0	0.31	ug/kg
B-4 (7-8)	L1941584-05	VINYL CHLORIDE	9/16/2019		Y	N	U		U	1.0	0.35	ug/kg
B-4 (7-8)	L1941584-05	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.15	ug/kg
B-4 (7-8)	L1941584-05	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.18	ug/kg
B-4 (7-8)	L1941584-05	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	1.0	0.12	ug/kg
B-4 (7-8)	L1941584-05	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	2.1	0.41	ug/kg
B-4 (7-8)	L1941584-05	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.19	ug/kg
B-4 (7-8)	L1941584-05	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.1	0.11	ug/kg
B-4 (7-8)	L1941584-05	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	5.3	2.4	ug/kg
B-4 (7-8)	L1941584-05	P/M-XYLENE	9/16/2019		Y	N	U		U	2.1	0.59	ug/kg
B-4 (7-8)	L1941584-05	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	4.2	0.74	ug/kg
B-4 (7-8)	L1941584-05	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.12	ug/kg
B-4 (7-8)	L1941584-05	NAPHTHALENE	9/16/2019		Y	N	U		U	4.2	0.69	ug/kg
B-4 (7-8)	L1941584-05	STYRENE	9/16/2019		Y	N	U		U	1.0	0.21	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (7-8)	L1941584-05	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.53	0.21	ug/kg
B-4 (7-8)	L1941584-05	TOLUENE	9/16/2019		Y	N	U		U	1.0	0.57	ug/kg
B-4 (7-8)	L1941584-05	TRICHLOROETHENE	9/16/2019		Y	N	U		U	0.53	0.14	ug/kg
B-4 (7-8)	L1941584-05	O-XYLENE	9/16/2019		Y	N	U		U	1.0	0.31	ug/kg
B-4 (7-8)	L1941584-05	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	1.0	0.28	ug/kg
B-4 (7-8)	L1941584-05	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	5.3	1.5	ug/kg
B-4 (7-8)	L1941584-05	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.0	0.27	ug/kg
B-4 (7-8)	L1941584-05	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.15	ug/kg
B-4 (7-8)	L1941584-05	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	1.0	0.30	ug/kg
B-4 (7-8)	L1941584-05	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	3.2	1.0	ug/kg
B-4 (7-8)	L1941584-05	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.35	ug/kg
B-4 (7-8)	L1941584-05	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.29	ug/kg
B-4 (7-8)	L1941584-05	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.20	ug/kg
B-4 (7-8)	L1941584-05	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	2.1	0.13	ug/kg
B-4 (7-8)	L1941584-05	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.34	ug/kg
B-4 (7-8)	L1941584-05	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.53	0.17	ug/kg
B-4 (7-8)	L1941584-05	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.20	ug/kg
B-4 (7-8)	L1941584-05	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.0	0.15	ug/kg
B-4 (7-8)	L1941584-05	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.16	ug/kg
B-4 (7-8)	L1941584-05	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.53	0.18	ug/kg
B-4 (7-8)	L1941584-05	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.53	0.18	ug/kg
B-4 (7-8)	L1941584-05	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.53	0.14	ug/kg
B-4 (7-8)	L1941584-05	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	1.0	0.29	ug/kg
B-4 (7-8)	L1941584-05	ACETONE	9/16/2019	360	Y	Y	E	J	J	10	5.1	ug/kg
B-4 (7-8)	L1941584-05	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.36	Y	Y	J		J	1.0	0.14	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (7-8)	L1941584-05	2-BUTANONE	9/16/2019	6.1	Y	Y	J		J	10	2.4	ug/kg
B-4 (7-8)	L1941584-05	CHLOROFORM	9/16/2019		Y	N	J	U	U	1.6	0.15	ug/kg
B-4 (7-8)	L1941584-05	METHYL TERT BUTYL ETHER	9/16/2019	1.1	Y	Y	J		J	2.1	0.21	ug/kg
B-4 (7-8)	L1941584-05	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.36	Y	Y	J		J	1.6	0.14	ug/kg
B-4 (7-8)	L1941584-05	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.12	ug/kg
B-4 (7-8)	L1941584-05	CHLOROETHANE	9/16/2019		Y	N	U		U	2.1	0.48	ug/kg
B-4 (7-8)	L1941584-05	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	1.0	0.25	ug/kg
B-4 (7-8)	L1941584-05	BENZENE	9/16/2019		Y	N	U		U	0.53	0.18	ug/kg
B-4 (7-8)	L1941584-05	ETHYL ETHER	9/16/2019		Y	N	U		U	2.1	0.36	ug/kg
B-4 (7-8)	L1941584-05	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	10	0.97	ug/kg
B-4 (7-8)	L1941584-05	DIBROMOMETHANE	9/16/2019		Y	N	U		U	2.1	0.25	ug/kg
B-4 (7-8)	L1941584-05	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.0	0.15	ug/kg
B-4 (7-8)	L1941584-05	CHLOROMETHANE	9/16/2019		Y	N	U		U	4.2	0.99	ug/kg
B-4 (7-8)	L1941584-05	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.53	0.13	ug/kg
B-4 (7-8)	L1941584-05	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	1.0	0.24	ug/kg
B-4 (7-8)	L1941584-05	CARBON DISULFIDE	9/16/2019		Y	N	U		U	10	4.8	ug/kg
B-4 (7-8)	L1941584-05	BROMOMETHANE	9/16/2019		Y	N	U		U	2.1	0.62	ug/kg
B-4 (7-8)	L1941584-05	BROMOFORM	9/16/2019		Y	N	U		U	4.2	0.26	ug/kg
B-4 (7-8)	L1941584-05	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.53	0.12	ug/kg
B-4 (7-8)	L1941584-05	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.0	0.13	ug/kg
B-4 (7-8)	L1941584-05	BROMOBENZENE	9/16/2019		Y	N	U		U	2.1	0.15	ug/kg
B-4 (7-8)	L1941584-05	ETHYLBENZENE	9/16/2019		Y	N	U		U	1.0	0.15	ug/kg
B-4 (7-8)	L1941584-05	ACRYLONITRILE	9/16/2019		Y	N	U		U	4.2	1.2	ug/kg
B-4 (7-8)	L1941584-05	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	10	1.4	ug/kg
B-4 (7-8)	L1941584-05	UNKNOWN ALKANE	9/16/2019	2.65	Y	Y	J		J			

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (7-8)	L1941584-05	UNKNOWN	9/16/2019	3.38	Y	Y	J		J			
B-4 (7-8)	L1941584-05	UNKNOWN	9/16/2019	2.82	Y	Y	J		J			
B-4 (7-8)	L1941584-05	2-HEXANONE	9/16/2019		Y	N	U		U	10	1.2	ug/kg
B-4 (7-8)	L1941584-05	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.1	0.21	ug/kg
B-4 (7-8)	L1941584-05	TOTAL TIC COMPOUNDS	9/16/2019	8.85	Y	Y	J		J			
B-4 (7-8)	L1941584-05	1,4-DIOXANE	9/16/2019		Y	N	U		U	85	37	ug/kg
B-4 (7-8)	L1941584-05	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.18	ug/kg
B-4 (7-8)	L1941584-05	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.53	0.17	ug/kg
B-4 (7-8)	L1941584-05	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.1	0.18	ug/kg
B-4 (7-8)	L1941584-05	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	2.1	0.22	ug/kg
B-4 (7-8)	L1941584-05	CHLOROBENZENE	9/17/2019		Y	N	U		U	26	6.5	ug/kg
B-4 (7-8)	L1941584-05	BROMOBENZENE	9/17/2019		Y	N	U		U	100	7.4	ug/kg
B-4 (7-8)	L1941584-05	ETHYLBENZENE	9/17/2019		Y	N	U		U	51	7.2	ug/kg
B-4 (7-8)	L1941584-05	ETHYL ETHER	9/17/2019		Y	N	U		U	100	17	ug/kg
B-4 (7-8)	L1941584-05	DICHLORODIFLUOROMETHANE	9/17/2019		Y	N	U		U	510	47	ug/kg
B-4 (7-8)	L1941584-05	DIBROMOMETHANE	9/17/2019		Y	N	U		U	100	12	ug/kg
B-4 (7-8)	L1941584-05	DIBROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	51	7.2	ug/kg
B-4 (7-8)	L1941584-05	ISOPROPYLBENZENE	9/17/2019		Y	N	U		U	51	5.6	ug/kg
B-4 (7-8)	L1941584-05	CHLOROFORM	9/17/2019		Y	N	U		U	77	7.2	ug/kg
B-4 (7-8)	L1941584-05	METHYL TERT BUTYL ETHER	9/17/2019		Y	N	U		U	100	10	ug/kg
B-4 (7-8)	L1941584-05	CARBON TETRACHLORIDE	9/17/2019		Y	N	U		U	51	12	ug/kg
B-4 (7-8)	L1941584-05	CARBON DISULFIDE	9/17/2019		Y	N	U		U	510	230	ug/kg
B-4 (7-8)	L1941584-05	BROMOMETHANE	9/17/2019		Y	N	U		U	100	30	ug/kg
B-4 (7-8)	L1941584-05	BROMOFORM	9/17/2019		Y	N	U		U	200	13	ug/kg
B-4 (7-8)	L1941584-05	BROMODICHLOROMETHANE	9/17/2019		Y	N	U		U	26	5.6	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (7-8)	L1941584-05	O-XYLENE	9/17/2019		Y	N	U		U	51	15	ug/kg
B-4 (7-8)	L1941584-05	CHLOROMETHANE	9/17/2019		Y	N	U		U	200	48	ug/kg
B-4 (7-8)	L1941584-05	TRICHLOROFLUOROMETHANE	9/17/2019		Y	N	U		U	200	36	ug/kg
B-4 (7-8)	L1941584-05	O-CHLOROTOLUENE	9/17/2019		Y	N	U		U	100	9.8	ug/kg
B-4 (7-8)	L1941584-05	N-PROPYLBENZENE	9/17/2019		Y	N	U		U	51	8.8	ug/kg
B-4 (7-8)	L1941584-05	N-BUTYLBENZENE	9/17/2019		Y	N	U		U	51	8.6	ug/kg
B-4 (7-8)	L1941584-05	CIS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	26	8.1	ug/kg
B-4 (7-8)	L1941584-05	CIS-1,2-DICHLOROETHENE	9/17/2019		Y	N	U		U	51	9.0	ug/kg
B-4 (7-8)	L1941584-05	XYLENE (TOTAL)	9/17/2019		Y	N	U		U	1.0	0.31	ug/kg
B-4 (7-8)	L1941584-05	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	200	8.7	ug/kg
B-4 (7-8)	L1941584-05	VINYL ACETATE	9/17/2019		Y	N	U		U	510	110	ug/kg
B-4 (7-8)	L1941584-05	BENZENE	9/17/2019		Y	N	U		U	26	8.5	ug/kg
B-4 (7-8)	L1941584-05	TRICHLOROETHENE	9/17/2019		Y	N	U		U	26	7.0	ug/kg
B-4 (7-8)	L1941584-05	TOLUENE	9/17/2019		Y	N	U		U	51	28	ug/kg
B-4 (7-8)	L1941584-05	TETRACHLOROETHENE	9/17/2019		Y	N	U		U	26	10	ug/kg
B-4 (7-8)	L1941584-05	STYRENE	9/17/2019		Y	N	U		U	51	10	ug/kg
B-4 (7-8)	L1941584-05	NAPHTHALENE	9/17/2019		Y	N	U		U	200	33	ug/kg
B-4 (7-8)	L1941584-05	METHYLENE CHLORIDE	9/17/2019		Y	N	U		U	260	120	ug/kg
B-4 (7-8)	L1941584-05	VINYL CHLORIDE	9/17/2019		Y	N	U		U	51	17	ug/kg
B-4 (7-8)	L1941584-05	1,1,2-TRICHLOROETHANE	9/17/2019		Y	N	U		U	51	14	ug/kg
B-4 (7-8)	L1941584-05	BROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	100	10	ug/kg
B-4 (7-8)	L1941584-05	1,2,4-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	100	17	ug/kg
B-4 (7-8)	L1941584-05	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	100	14	ug/kg
B-4 (7-8)	L1941584-05	1,2,4,5-TETRAMETHYLBENZENE	9/17/2019		Y	N	U		U	100	9.8	ug/kg
B-4 (7-8)	L1941584-05	1,2,3-TRICHLOROPROPANE	9/17/2019		Y	N	U		U	100	6.5	ug/kg

SDG: L1941584

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (7-8)	L1941584-05	1,1-DICHLOROPROPENE	9/17/2019		Y	N	U		U	26	8.1	ug/kg
B-4 (7-8)	L1941584-05	1,2-DIBROMOETHANE	9/17/2019		Y	N	U		U	51	14	ug/kg
B-4 (7-8)	L1941584-05	1,1-DICHLOROETHANE	9/17/2019		Y	N	U		U	51	7.4	ug/kg
B-4 (7-8)	L1941584-05	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	100	7.4	ug/kg
B-4 (7-8)	L1941584-05	1,1,2,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	26	8.5	ug/kg
B-4 (7-8)	L1941584-05	1,1,1-TRICHLOROETHANE	9/17/2019		Y	N	U		U	26	8.6	ug/kg
B-4 (7-8)	L1941584-05	1,1,1,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	26	6.8	ug/kg
B-4 (7-8)	L1941584-05	TRANS-1,4-DICHLORO-2-BUTENE	9/17/2019		Y	N	U		U	260	73	ug/kg
B-4 (7-8)	L1941584-05	TRANS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	51	14	ug/kg
B-4 (7-8)	L1941584-05	CHLOROETHANE	9/17/2019		Y	N	U		U	100	23	ug/kg
B-4 (7-8)	L1941584-05	1,1-DICHLOROETHENE	9/17/2019		Y	N	U		U	51	12	ug/kg
B-4 (7-8)	L1941584-05	1,3-DICHLOROPROPENE, TOTAL	9/17/2019		Y	N	U		U	0.53	0.17	ug/kg
B-4 (7-8)	L1941584-05	ACRYLONITRILE	9/17/2019		Y	N	U		U	200	59	ug/kg
B-4 (7-8)	L1941584-05	ACETONE	9/17/2019		Y	N	U		U	510	250	ug/kg
B-4 (7-8)	L1941584-05	4-METHYL-2-PENTANONE	9/17/2019		Y	N	U		U	510	66	ug/kg
B-4 (7-8)	L1941584-05	2-HEXANONE	9/17/2019		Y	N	U		U	510	60	ug/kg
B-4 (7-8)	L1941584-05	2-BUTANONE	9/17/2019		Y	N	U		U	510	110	ug/kg
B-4 (7-8)	L1941584-05	2,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	100	10	ug/kg
B-4 (7-8)	L1941584-05	1,2-DIBROMO-3-CHLOROPROPANE	9/17/2019		Y	N	U		U	150	51	ug/kg
B-4 (7-8)	L1941584-05	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	100	8.8	ug/kg
B-4 (7-8)	L1941584-05	1,2,3-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	100	16	ug/kg
B-4 (7-8)	L1941584-05	1,3-DICHLOROPROPANE	9/17/2019		Y	N	U		U	100	8.6	ug/kg
B-4 (7-8)	L1941584-05	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	100	7.6	ug/kg
B-4 (7-8)	L1941584-05	1,3,5-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	100	9.9	ug/kg
B-4 (7-8)	L1941584-05	1,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	51	6.4	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (7-8)	L1941584-05	1,2-DICHLOROETHENE (TOTAL)	9/17/2019		Y	N	U		U	1.0	0.14	ug/kg
B-4 (7-8)	L1941584-05	1,2-DICHLOROETHANE	9/17/2019		Y	N	U		U	51	13	ug/kg
B-4 (7-8)	L1941584-05	1,4-DIOXANE	9/17/2019		Y	N	U		U	4100	1800	ug/kg
B-4 (7-8)	L1941584-05	TERT-BUTYLBENZENE	9/17/2019		Y	N	U		U	100	6.0	ug/kg
B-4 (7-8)	L1941584-05	SEC-BUTYLBENZENE	9/17/2019		Y	N	U		U	51	7.5	ug/kg
B-4 (7-8)	L1941584-05	P-ISOPROPYLTOLUENE	9/17/2019		Y	N	U		U	51	5.6	ug/kg
B-4 (7-8)	L1941584-05	4-ETHYLTOLUENE	9/17/2019		Y	N	U		U	100	20	ug/kg
B-4 (7-8)	L1941584-05	P/M-XYLENE	9/17/2019		Y	N	U		U	100	29	ug/kg
B-4 (7-8)	L1941584-05	1,4-DIETHYLBENZENE	9/17/2019		Y	N	U		U	100	9.1	ug/kg
B-4 (7-8)	L1941584-05	TRANS-1,2-DICHLOROETHENE	9/17/2019		Y	N	U		U	77	7.0	ug/kg
B-4 (7-8)	L1941584-05	P-CHLOROTOLUENE	9/17/2019		Y	N	U		U	100	5.5	ug/kg
B-8 (4-5)	L1941584-13	1,2-DICHLOROETHENE (TOTAL)	9/17/2019	0.24	Y	Y	J		J	0.89	0.12	ug/kg
B-8 (4-5)	L1941584-13	DICHLORODIFLUOROMETHANE	9/17/2019		Y	N	U	UJ	UJ	8.9	0.82	ug/kg
B-8 (4-5)	L1941584-13	METHYL TERT BUTYL ETHER	9/17/2019	0.50	Y	Y	J		J	1.8	0.18	ug/kg
B-8 (4-5)	L1941584-13	ACETONE	9/17/2019	860	Y	Y	E	J	J	8.9	4.3	ug/kg
B-8 (4-5)	L1941584-13	TRANS-1,2-DICHLOROETHENE	9/17/2019	0.24	Y	Y	J		J	1.3	0.12	ug/kg
B-8 (4-5)	L1941584-13	CHLOROFORM	9/17/2019		Y	N	J	U	U	1.3	0.12	ug/kg
B-8 (4-5)	L1941584-13	TRICHLOROETHENE	9/17/2019	0.12	Y	Y	J		J	0.44	0.12	ug/kg
B-8 (4-5)	L1941584-13	1,2,4,5-TETRAMETHYLBENZENE	9/17/2019		Y	N	U		U	1.8	0.17	ug/kg
B-8 (4-5)	L1941584-13	1,2,3-TRICHLOROPROPANE	9/17/2019		Y	N	U		U	1.8	0.11	ug/kg
B-8 (4-5)	L1941584-13	1,3-DICHLOROPROPANE	9/17/2019		Y	N	U		U	1.8	0.15	ug/kg
B-8 (4-5)	L1941584-13	VINYL CHLORIDE	9/17/2019		Y	N	U	UJ	UJ	0.89	0.30	ug/kg
B-8 (4-5)	L1941584-13	ETHYL ACETATE	9/17/2019	205	Y	Y	NJ		J			
B-8 (4-5)	L1941584-13	1,2,3-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	1.8	0.29	ug/kg
B-8 (4-5)	L1941584-13	BROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	1.8	0.18	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (4-5)	L1941584-13	P/M-XYLENE	9/17/2019		Y	N	U		U	1.8	0.50	ug/kg
B-8 (4-5)	L1941584-13	1,3-DICHLOROPROPENE, TOTAL	9/17/2019		Y	N	U		U	0.44	0.14	ug/kg
B-8 (4-5)	L1941584-13	TRICHLOROFLUOROMETHANE	9/17/2019		Y	N	U		U	3.6	0.62	ug/kg
B-8 (4-5)	L1941584-13	1,1-DICHLOROPROPENE	9/17/2019		Y	N	U		U	0.44	0.14	ug/kg
B-8 (4-5)	L1941584-13	CARBON TETRACHLORIDE	9/17/2019		Y	N	U		U	0.89	0.20	ug/kg
B-8 (4-5)	L1941584-13	1,1,2-TRICHLOROETHANE	9/17/2019		Y	N	U		U	0.89	0.24	ug/kg
B-8 (4-5)	L1941584-13	1,2-DIBROMO-3-CHLOROPROPANE	9/17/2019		Y	N	U		U	2.7	0.89	ug/kg
B-8 (4-5)	L1941584-13	VINYL ACETATE	9/17/2019		Y	N	U		U	8.9	1.9	ug/kg
B-8 (4-5)	L1941584-13	1,1-DICHLOROETHENE	9/17/2019		Y	N	U		U	0.89	0.21	ug/kg
B-8 (4-5)	L1941584-13	BROMODICHLOROMETHANE	9/17/2019		Y	N	U		U	0.44	0.10	ug/kg
B-8 (4-5)	L1941584-13	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	1.8	0.15	ug/kg
B-8 (4-5)	L1941584-13	1,1,2,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	0.44	0.15	ug/kg
B-8 (4-5)	L1941584-13	O-XYLENE	9/17/2019		Y	N	U		U	0.89	0.26	ug/kg
B-8 (4-5)	L1941584-13	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	1.8	0.13	ug/kg
B-8 (4-5)	L1941584-13	1,2-DICHLOROETHANE	9/17/2019		Y	N	U		U	0.89	0.23	ug/kg
B-8 (4-5)	L1941584-13	CHLOROETHANE	9/17/2019		Y	N	U	UJ	UJ	1.8	0.40	ug/kg
B-8 (4-5)	L1941584-13	CARBON DISULFIDE	9/17/2019		Y	N	U	UJ	UJ	8.9	4.0	ug/kg
B-8 (4-5)	L1941584-13	ACRYLONITRILE	9/17/2019		Y	N	U		U	3.6	1.0	ug/kg
B-8 (4-5)	L1941584-13	CIS-1,2-DICHLOROETHENE	9/17/2019		Y	N	U		U	0.89	0.16	ug/kg
B-8 (4-5)	L1941584-13	O-CHLOROTOLUENE	9/17/2019		Y	N	U		U	1.8	0.17	ug/kg
B-8 (4-5)	L1941584-13	CIS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	0.44	0.14	ug/kg
B-8 (4-5)	L1941584-13	1,2,4-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	1.8	0.30	ug/kg
B-8 (4-5)	L1941584-13	BENZENE	9/17/2019		Y	N	U		U	0.44	0.15	ug/kg
B-8 (4-5)	L1941584-13	CHLOROBENZENE	9/17/2019		Y	N	U		U	0.44	0.11	ug/kg
B-8 (4-5)	L1941584-13	1,2-DIBROMOETHANE	9/17/2019		Y	N	U		U	0.89	0.25	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (4-5)	L1941584-13	1,3,5-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	1.8	0.17	ug/kg
B-8 (4-5)	L1941584-13	XYLENE (TOTAL)	9/17/2019		Y	N	U		U	0.89	0.26	ug/kg
B-8 (4-5)	L1941584-13	N-PROPYLBENZENE	9/17/2019		Y	N	U		U	0.89	0.15	ug/kg
B-8 (4-5)	L1941584-13	BROMOBENZENE	9/17/2019		Y	N	U		U	1.8	0.13	ug/kg
B-8 (4-5)	L1941584-13	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	1.8	0.24	ug/kg
B-8 (4-5)	L1941584-13	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	1.8	0.13	ug/kg
B-8 (4-5)	L1941584-13	TOTAL TIC COMPOUNDS	9/17/2019	205	Y	Y	J		J			
B-8 (4-5)	L1941584-13	1,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	0.89	0.11	ug/kg
B-8 (4-5)	L1941584-13	BROMOMETHANE	9/17/2019		Y	N	U	UJ	UJ	1.8	0.52	ug/kg
B-8 (4-5)	L1941584-13	SEC-BUTYLBENZENE	9/17/2019		Y	N	U		U	0.89	0.13	ug/kg
B-8 (4-5)	L1941584-13	ISOPROPYLBENZENE	9/17/2019		Y	N	U		U	0.89	0.10	ug/kg
B-8 (4-5)	L1941584-13	1,4-DIOXANE	9/17/2019		Y	N	U	UJ	UJ	71	31	ug/kg
B-8 (4-5)	L1941584-13	DIBROMOMETHANE	9/17/2019		Y	N	U		U	1.8	0.21	ug/kg
B-8 (4-5)	L1941584-13	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	3.6	0.15	ug/kg
B-8 (4-5)	L1941584-13	2-HEXANONE	9/17/2019		Y	N	U	UJ	UJ	8.9	1.0	ug/kg
B-8 (4-5)	L1941584-13	TERT-BUTYLBENZENE	9/17/2019		Y	N	U		U	1.8	0.10	ug/kg
B-8 (4-5)	L1941584-13	DIBROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	0.89	0.12	ug/kg
B-8 (4-5)	L1941584-13	TRANS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	0.89	0.24	ug/kg
B-8 (4-5)	L1941584-13	STYRENE	9/17/2019		Y	N	U		U	0.89	0.17	ug/kg
B-8 (4-5)	L1941584-13	CHLOROMETHANE	9/17/2019		Y	N	U	UJ	UJ	3.6	0.83	ug/kg
B-8 (4-5)	L1941584-13	4-ETHYLTOLUENE	9/17/2019		Y	N	U		U	1.8	0.34	ug/kg
B-8 (4-5)	L1941584-13	N-BUTYLBENZENE	9/17/2019		Y	N	U		U	0.89	0.15	ug/kg
B-8 (4-5)	L1941584-13	2,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	1.8	0.18	ug/kg
B-8 (4-5)	L1941584-13	TOLUENE	9/17/2019		Y	N	U		U	0.89	0.48	ug/kg
B-8 (4-5)	L1941584-13	NAPHTHALENE	9/17/2019		Y	N	U	UJ	UJ	3.6	0.58	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (4-5)	L1941584-13	1,4-DIETHYLBENZENE	9/17/2019		Y	N	U		U	1.8	0.16	ug/kg
B-8 (4-5)	L1941584-13	ETHYLBENZENE	9/17/2019		Y	N	U		U	0.89	0.12	ug/kg
B-8 (4-5)	L1941584-13	1,1-DICHLOROETHANE	9/17/2019		Y	N	U	UJ	UJ	0.89	0.13	ug/kg
B-8 (4-5)	L1941584-13	1,1,1-TRICHLOROETHANE	9/17/2019		Y	N	U		U	0.44	0.15	ug/kg
B-8 (4-5)	L1941584-13	P-ISOPROPYLTOLUENE	9/17/2019		Y	N	U		U	0.89	0.10	ug/kg
B-8 (4-5)	L1941584-13	TRANS-1,4-DICHLORO-2-BUTENE	9/17/2019		Y	N	U		U	4.4	1.3	ug/kg
B-8 (4-5)	L1941584-13	2-BUTANONE	9/17/2019		Y	N	U		U	8.9	2.0	ug/kg
B-8 (4-5)	L1941584-13	ETHYL ETHER	9/17/2019		Y	N	U	UJ	UJ	1.8	0.30	ug/kg
B-8 (4-5)	L1941584-13	1,1,1,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	0.44	0.12	ug/kg
B-8 (4-5)	L1941584-13	BROMOFORM	9/17/2019		Y	N	U		U	3.6	0.22	ug/kg
B-8 (4-5)	L1941584-13	METHYLENE CHLORIDE	9/17/2019		Y	N	U		U	4.4	2.0	ug/kg
B-8 (4-5)	L1941584-13	TETRACHLOROETHENE	9/17/2019		Y	N	U		U	0.44	0.17	ug/kg
B-8 (4-5)	L1941584-13	4-METHYL-2-PENTANONE	9/17/2019		Y	N	U		U	8.9	1.1	ug/kg
B-8 (4-5)	L1941584-13	P-CHLOROTOLUENE	9/17/2019		Y	N	U		U	1.8	0.10	ug/kg
B-8 (4-5)	L1941584-13	TERT-BUTYLBENZENE	9/17/2019		Y	N	U		U	110	6.4	ug/kg
B-8 (4-5)	L1941584-13	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	220	9.2	ug/kg
B-8 (4-5)	L1941584-13	TETRACHLOROETHENE	9/17/2019		Y	N	U		U	27	11	ug/kg
B-8 (4-5)	L1941584-13	1,2-DIBROMOETHANE	9/17/2019		Y	N	U		U	54	15	ug/kg
B-8 (4-5)	L1941584-13	CIS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	27	8.6	ug/kg
B-8 (4-5)	L1941584-13	ISOPROPYLBENZENE	9/17/2019		Y	N	U		U	54	5.9	ug/kg
B-8 (4-5)	L1941584-13	STYRENE	9/17/2019		Y	N	U		U	54	11	ug/kg
B-8 (4-5)	L1941584-13	1,2-DIBROMO-3-CHLOROPROPANE	9/17/2019		Y	N	U		U	160	54	ug/kg
B-8 (4-5)	L1941584-13	CIS-1,2-DICHLOROETHENE	9/17/2019		Y	N	U		U	54	9.5	ug/kg
B-8 (4-5)	L1941584-13	METHYL TERT BUTYL ETHER	9/17/2019		Y	N	U		U	110	11	ug/kg
B-8 (4-5)	L1941584-13	SEC-BUTYLBENZENE	9/17/2019		Y	N	U		U	54	8.0	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (4-5)	L1941584-13	CHLOROMETHANE	9/17/2019		Y	N	U		U	220	51	ug/kg
B-8 (4-5)	L1941584-13	O-CHLOROTOLUENE	9/17/2019		Y	N	U		U	110	10	ug/kg
B-8 (4-5)	L1941584-13	CHLOROFORM	9/17/2019		Y	N	U		U	82	7.6	ug/kg
B-8 (4-5)	L1941584-13	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	110	7.8	ug/kg
B-8 (4-5)	L1941584-13	2-HEXANONE	9/17/2019		Y	N	U		U	540	64	ug/kg
B-8 (4-5)	L1941584-13	NAPHTHALENE	9/17/2019		Y	N	U		U	220	35	ug/kg
B-8 (4-5)	L1941584-13	P-ISOPROPYLTOLUENE	9/17/2019		Y	N	U		U	54	5.9	ug/kg
B-8 (4-5)	L1941584-13	VINYL ACETATE	9/17/2019		Y	N	U		U	540	120	ug/kg
B-8 (4-5)	L1941584-13	1,2,3-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	110	18	ug/kg
B-8 (4-5)	L1941584-13	1,1-DICHLOROPROPENE	9/17/2019		Y	N	U		U	27	8.7	ug/kg
B-8 (4-5)	L1941584-13	1,1-DICHLOROETHENE	9/17/2019		Y	N	U		U	54	13	ug/kg
B-8 (4-5)	L1941584-13	DIBROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	54	7.6	ug/kg
B-8 (4-5)	L1941584-13	TOLUENE	9/17/2019		Y	N	U		U	54	30	ug/kg
B-8 (4-5)	L1941584-13	TRANS-1,4-DICHLORO-2-BUTENE	9/17/2019		Y	N	U		U	270	77	ug/kg
B-8 (4-5)	L1941584-13	TRANS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	54	15	ug/kg
B-8 (4-5)	L1941584-13	1,1,2-TRICHLOROETHANE	9/17/2019		Y	N	U		U	54	14	ug/kg
B-8 (4-5)	L1941584-13	1,1,1,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	27	7.2	ug/kg
B-8 (4-5)	L1941584-13	TRICHLOROFLUOROMETHANE	9/17/2019		Y	N	U		U	220	38	ug/kg
B-8 (4-5)	L1941584-13	TRICHLOROETHENE	9/17/2019		Y	N	U		U	27	7.5	ug/kg
B-8 (4-5)	L1941584-13	1,1,2,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	27	9.0	ug/kg
B-8 (4-5)	L1941584-13	METHYLENE CHLORIDE	9/17/2019		Y	N	U		U	270	120	ug/kg
B-8 (4-5)	L1941584-13	1,1,1-TRICHLOROETHANE	9/17/2019		Y	N	U		U	27	9.1	ug/kg
B-8 (4-5)	L1941584-13	ETHYL ETHER	9/17/2019		Y	N	U		U	110	19	ug/kg
B-8 (4-5)	L1941584-13	XYLENE (TOTAL)	9/17/2019		Y	N	U		U	0.89	0.26	ug/kg
B-8 (4-5)	L1941584-13	1,2,4-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	110	18	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (4-5)	L1941584-13	P-CHLOROTOLUENE	9/17/2019		Y	N	U		U	110	5.9	ug/kg
B-8 (4-5)	L1941584-13	1,1-DICHLOROETHANE	9/17/2019		Y	N	U		U	54	7.9	ug/kg
B-8 (4-5)	L1941584-13	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	110	15	ug/kg
B-8 (4-5)	L1941584-13	N-PROPYLBENZENE	9/17/2019		Y	N	U		U	54	9.3	ug/kg
B-8 (4-5)	L1941584-13	P/M-XYLENE	9/17/2019		Y	N	U		U	110	30	ug/kg
B-8 (4-5)	L1941584-13	O-XYLENE	9/17/2019		Y	N	U		U	54	16	ug/kg
B-8 (4-5)	L1941584-13	DIBROMOMETHANE	9/17/2019		Y	N	U		U	110	13	ug/kg
B-8 (4-5)	L1941584-13	TRANS-1,2-DICHLOROETHENE	9/17/2019		Y	N	U		U	82	7.5	ug/kg
B-8 (4-5)	L1941584-13	1,2,4,5-TETRAMETHYLBENZENE	9/17/2019		Y	N	U		U	110	10	ug/kg
B-8 (4-5)	L1941584-13	VINYL CHLORIDE	9/17/2019		Y	N	U		U	54	18	ug/kg
B-8 (4-5)	L1941584-13	1,2,3-TRICHLOROPROPANE	9/17/2019		Y	N	U		U	110	6.9	ug/kg
B-8 (4-5)	L1941584-13	DICHLORODIFLUOROMETHANE	9/17/2019		Y	N	U		U	540	50	ug/kg
B-8 (4-5)	L1941584-13	ETHYLBENZENE	9/17/2019		Y	N	U		U	54	7.7	ug/kg
B-8 (4-5)	L1941584-13	N-BUTYLBENZENE	9/17/2019		Y	N	U		U	54	9.1	ug/kg
B-8 (4-5)	L1941584-13	CARBON TETRACHLORIDE	9/17/2019		Y	N	U		U	54	12	ug/kg
B-8 (4-5)	L1941584-13	2-BUTANONE	9/17/2019		Y	N	U		U	540	120	ug/kg
B-8 (4-5)	L1941584-13	2,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	110	11	ug/kg
B-8 (4-5)	L1941584-13	BROMODICHLOROMETHANE	9/17/2019		Y	N	U		U	27	5.9	ug/kg
B-8 (4-5)	L1941584-13	1,2-DICHLOROETHENE (TOTAL)	9/17/2019		Y	N	U		U	0.89	0.12	ug/kg
B-8 (4-5)	L1941584-13	BENZENE	9/17/2019		Y	N	U		U	27	9.0	ug/kg
B-8 (4-5)	L1941584-13	BROMOFORM	9/17/2019		Y	N	U		U	220	13	ug/kg
B-8 (4-5)	L1941584-13	CHLOROETHANE	9/17/2019		Y	N	U		U	110	25	ug/kg
B-8 (4-5)	L1941584-13	CHLOROBENZENE	9/17/2019		Y	N	U		U	27	6.9	ug/kg
B-8 (4-5)	L1941584-13	4-METHYL-2-PENTANONE	9/17/2019		Y	N	U		U	540	70	ug/kg
B-8 (4-5)	L1941584-13	ACRYLONITRILE	9/17/2019		Y	N	U		U	220	63	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (4-5)	L1941584-13	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	110	8.1	ug/kg
B-8 (4-5)	L1941584-13	BROMOMETHANE	9/17/2019		Y	N	U		U	110	32	ug/kg
B-8 (4-5)	L1941584-13	1,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	54	6.8	ug/kg
B-8 (4-5)	L1941584-13	ACETONE	9/17/2019		Y	N	U		U	540	260	ug/kg
B-8 (4-5)	L1941584-13	4-ETHYLTOLUENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-8 (4-5)	L1941584-13	1,4-DIETHYLBENZENE	9/17/2019		Y	N	U		U	110	9.6	ug/kg
B-8 (4-5)	L1941584-13	1,2-DICHLOROETHANE	9/17/2019		Y	N	U		U	54	14	ug/kg
B-8 (4-5)	L1941584-13	1,4-DIOXANE	9/17/2019		Y	N	U		U	4400	1900	ug/kg
B-8 (4-5)	L1941584-13	BROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	110	11	ug/kg
B-8 (4-5)	L1941584-13	BROMOBENZENE	9/17/2019		Y	N	U		U	110	7.9	ug/kg
B-8 (4-5)	L1941584-13	1,3-DICHLOROPROPENE, TOTAL	9/17/2019		Y	N	U		U	0.44	0.14	ug/kg
B-8 (4-5)	L1941584-13	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	110	9.3	ug/kg
B-8 (4-5)	L1941584-13	1,3,5-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	110	10	ug/kg
B-8 (4-5)	L1941584-13	1,3-DICHLOROPROPANE	9/17/2019		Y	N	U		U	110	9.1	ug/kg
B-8 (4-5)	L1941584-13	CARBON DISULFIDE	9/17/2019		Y	N	U		U	540	250	ug/kg
B-8 (5-6)	L1941584-14	DICHLORODIFLUOROMETHANE	9/17/2019		Y	N	U	UJ	UJ	9.3	0.85	ug/kg
B-8 (5-6)	L1941584-14	CHLOROFORM	9/17/2019		Y	N	J	U	U	1.4	0.13	ug/kg
B-8 (5-6)	L1941584-14	METHYL TERT BUTYL ETHER	9/17/2019	0.51	Y	Y	J		J	1.8	0.19	ug/kg
B-8 (5-6)	L1941584-14	1,2-DICHLOROETHENE (TOTAL)	9/17/2019	0.48	Y	Y	J		J	0.93	0.13	ug/kg
B-8 (5-6)	L1941584-14	ACETONE	9/17/2019	780	Y	Y	E	J	J	9.3	4.5	ug/kg
B-8 (5-6)	L1941584-14	TRANS-1,2-DICHLOROETHENE	9/17/2019	0.48	Y	Y	J		J	1.4	0.13	ug/kg
B-8 (5-6)	L1941584-14	METHYLENE CHLORIDE	9/17/2019	2.2	Y	Y	J		J	4.6	2.1	ug/kg
B-8 (5-6)	L1941584-14	1,2-DIBROMO-3-CHLOROPROPANE	9/17/2019		Y	N	U		U	2.8	0.92	ug/kg
B-8 (5-6)	L1941584-14	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	1.8	0.16	ug/kg
B-8 (5-6)	L1941584-14	TETRACHLOROETHENE	9/17/2019		Y	N	U		U	0.46	0.18	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (5-6)	L1941584-14	1,3,5-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	1.8	0.18	ug/kg
B-8 (5-6)	L1941584-14	TERT-BUTYLBENZENE	9/17/2019		Y	N	U		U	1.8	0.11	ug/kg
B-8 (5-6)	L1941584-14	ISOPROPYLBENZENE	9/17/2019		Y	N	U		U	0.93	0.10	ug/kg
B-8 (5-6)	L1941584-14	BROMOFORM	9/17/2019		Y	N	U		U	3.7	0.23	ug/kg
B-8 (5-6)	L1941584-14	TOLUENE	9/17/2019		Y	N	U		U	0.93	0.50	ug/kg
B-8 (5-6)	L1941584-14	STYRENE	9/17/2019		Y	N	U		U	0.93	0.18	ug/kg
B-8 (5-6)	L1941584-14	1,1,2,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	0.46	0.15	ug/kg
B-8 (5-6)	L1941584-14	CHLOROMETHANE	9/17/2019		Y	N	U	UJ	UJ	3.7	0.86	ug/kg
B-8 (5-6)	L1941584-14	TRICHLOROETHENE	9/17/2019		Y	N	U		U	0.46	0.13	ug/kg
B-8 (5-6)	L1941584-14	1,1,1,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	0.46	0.12	ug/kg
B-8 (5-6)	L1941584-14	VINYL CHLORIDE	9/17/2019		Y	N	U	UJ	UJ	0.93	0.31	ug/kg
B-8 (5-6)	L1941584-14	BROMOBENZENE	9/17/2019		Y	N	U		U	1.8	0.13	ug/kg
B-8 (5-6)	L1941584-14	DIBROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	0.93	0.13	ug/kg
B-8 (5-6)	L1941584-14	1,4-DIOXANE	9/17/2019		Y	N	U	UJ	UJ	74	32	ug/kg
B-8 (5-6)	L1941584-14	ETHYL ACETATE	9/17/2019	251	Y	Y	NJ		J			
B-8 (5-6)	L1941584-14	XYLENE (TOTAL)	9/17/2019		Y	N	U		U	0.93	0.27	ug/kg
B-8 (5-6)	L1941584-14	VINYL ACETATE	9/17/2019		Y	N	U		U	9.3	2.0	ug/kg
B-8 (5-6)	L1941584-14	DIBROMOMETHANE	9/17/2019		Y	N	U		U	1.8	0.22	ug/kg
B-8 (5-6)	L1941584-14	BROMOMETHANE	9/17/2019		Y	N	U	UJ	UJ	1.8	0.54	ug/kg
B-8 (5-6)	L1941584-14	2-HEXANONE	9/17/2019		Y	N	U	UJ	UJ	9.3	1.1	ug/kg
B-8 (5-6)	L1941584-14	1,4-DIETHYLBENZENE	9/17/2019		Y	N	U		U	1.8	0.16	ug/kg
B-8 (5-6)	L1941584-14	4-ETHYLTOLUENE	9/17/2019		Y	N	U		U	1.8	0.36	ug/kg
B-8 (5-6)	L1941584-14	2,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	1.8	0.19	ug/kg
B-8 (5-6)	L1941584-14	TRICHLOROFLUOROMETHANE	9/17/2019		Y	N	U		U	3.7	0.64	ug/kg
B-8 (5-6)	L1941584-14	TOTAL TIC COMPOUNDS	9/17/2019	251	Y	Y	J		J			

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (5-6)	L1941584-14	BROMODICHLOROMETHANE	9/17/2019		Y	N	U		U	0.46	0.10	ug/kg
B-8 (5-6)	L1941584-14	ETHYLBENZENE	9/17/2019		Y	N	U		U	0.93	0.13	ug/kg
B-8 (5-6)	L1941584-14	1,2,4-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	1.8	0.31	ug/kg
B-8 (5-6)	L1941584-14	1,1,1-TRICHLOROETHANE	9/17/2019		Y	N	U		U	0.46	0.15	ug/kg
B-8 (5-6)	L1941584-14	SEC-BUTYLBENZENE	9/17/2019		Y	N	U		U	0.93	0.14	ug/kg
B-8 (5-6)	L1941584-14	1,2-DIBROMOETHANE	9/17/2019		Y	N	U		U	0.93	0.26	ug/kg
B-8 (5-6)	L1941584-14	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	3.7	0.16	ug/kg
B-8 (5-6)	L1941584-14	BROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	1.8	0.19	ug/kg
B-8 (5-6)	L1941584-14	1,2,3-TRICHLOROPROPANE	9/17/2019		Y	N	U		U	1.8	0.12	ug/kg
B-8 (5-6)	L1941584-14	1,3-DICHLOROPROPANE	9/17/2019		Y	N	U		U	1.8	0.15	ug/kg
B-8 (5-6)	L1941584-14	1,1-DICHLOROPROPENE	9/17/2019		Y	N	U		U	0.46	0.15	ug/kg
B-8 (5-6)	L1941584-14	1,2-DICHLOROETHANE	9/17/2019		Y	N	U		U	0.93	0.24	ug/kg
B-8 (5-6)	L1941584-14	1,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	0.93	0.12	ug/kg
B-8 (5-6)	L1941584-14	1,2,4,5-TETRAMETHYLBENZENE	9/17/2019		Y	N	U		U	1.8	0.18	ug/kg
B-8 (5-6)	L1941584-14	CIS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	0.46	0.15	ug/kg
B-8 (5-6)	L1941584-14	ETHYL ETHER	9/17/2019		Y	N	U	UJ	UJ	1.8	0.32	ug/kg
B-8 (5-6)	L1941584-14	CHLOROETHANE	9/17/2019		Y	N	U	UJ	UJ	1.8	0.42	ug/kg
B-8 (5-6)	L1941584-14	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	1.8	0.14	ug/kg
B-8 (5-6)	L1941584-14	NAPHTHALENE	9/17/2019		Y	N	U	UJ	UJ	3.7	0.60	ug/kg
B-8 (5-6)	L1941584-14	1,1-DICHLOROETHENE	9/17/2019		Y	N	U		U	0.93	0.22	ug/kg
B-8 (5-6)	L1941584-14	1,3-DICHLOROPROPENE, TOTAL	9/17/2019		Y	N	U		U	0.46	0.15	ug/kg
B-8 (5-6)	L1941584-14	O-XYLENE	9/17/2019		Y	N	U		U	0.93	0.27	ug/kg
B-8 (5-6)	L1941584-14	TRANS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	0.93	0.25	ug/kg
B-8 (5-6)	L1941584-14	CIS-1,2-DICHLOROETHENE	9/17/2019		Y	N	U		U	0.93	0.16	ug/kg
B-8 (5-6)	L1941584-14	N-BUTYLBENZENE	9/17/2019		Y	N	U		U	0.93	0.15	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (5-6)	L1941584-14	CHLOROBENZENE	9/17/2019		Y	N	U		U	0.46	0.12	ug/kg
B-8 (5-6)	L1941584-14	TRANS-1,4-DICHLORO-2-BUTENE	9/17/2019		Y	N	U		U	4.6	1.3	ug/kg
B-8 (5-6)	L1941584-14	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	1.8	0.13	ug/kg
B-8 (5-6)	L1941584-14	2-BUTANONE	9/17/2019		Y	N	U		U	9.3	2.0	ug/kg
B-8 (5-6)	L1941584-14	1,1,2-TRICHLOROETHANE	9/17/2019		Y	N	U		U	0.93	0.25	ug/kg
B-8 (5-6)	L1941584-14	1,1-DICHLOROETHANE	9/17/2019		Y	N	U	UJ	UJ	0.93	0.13	ug/kg
B-8 (5-6)	L1941584-14	CARBON DISULFIDE	9/17/2019		Y	N	U	UJ	UJ	9.3	4.2	ug/kg
B-8 (5-6)	L1941584-14	1,2,3-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	1.8	0.30	ug/kg
B-8 (5-6)	L1941584-14	P-ISOPROPYLTOLUENE	9/17/2019		Y	N	U		U	0.93	0.10	ug/kg
B-8 (5-6)	L1941584-14	CARBON TETRACHLORIDE	9/17/2019		Y	N	U		U	0.93	0.21	ug/kg
B-8 (5-6)	L1941584-14	P-CHLOROTOLUENE	9/17/2019		Y	N	U		U	1.8	0.10	ug/kg
B-8 (5-6)	L1941584-14	ACRYLONITRILE	9/17/2019		Y	N	U		U	3.7	1.1	ug/kg
B-8 (5-6)	L1941584-14	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	1.8	0.25	ug/kg
B-8 (5-6)	L1941584-14	O-CHLOROTOLUENE	9/17/2019		Y	N	U		U	1.8	0.18	ug/kg
B-8 (5-6)	L1941584-14	N-PROPYLBENZENE	9/17/2019		Y	N	U		U	0.93	0.16	ug/kg
B-8 (5-6)	L1941584-14	BENZENE	9/17/2019		Y	N	U		U	0.46	0.15	ug/kg
B-8 (5-6)	L1941584-14	P/M-XYLENE	9/17/2019		Y	N	U		U	1.8	0.52	ug/kg
B-8 (5-6)	L1941584-14	4-METHYL-2-PENTANONE	9/17/2019		Y	N	U		U	9.3	1.2	ug/kg
B-8 (5-6)	L1941584-14	1,1-DICHLOROPROPENE	9/17/2019		Y	N	U		U	29	9.2	ug/kg
B-8 (5-6)	L1941584-14	TRANS-1,2-DICHLOROETHENE	9/17/2019		Y	N	U		U	87	7.9	ug/kg
B-8 (5-6)	L1941584-14	DIBROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	58	8.1	ug/kg
B-8 (5-6)	L1941584-14	VINYL ACETATE	9/17/2019		Y	N	U		U	580	120	ug/kg
B-8 (5-6)	L1941584-14	1,4-DIETHYLBENZENE	9/17/2019		Y	N	U		U	120	10	ug/kg
B-8 (5-6)	L1941584-14	1,1,1,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	29	7.6	ug/kg
B-8 (5-6)	L1941584-14	1,3-DICHLOROPROPANE	9/17/2019		Y	N	U		U	120	9.7	ug/kg

SDG: L1941584

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (5-6)	L1941584-14	BROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	120	12	ug/kg
B-8 (5-6)	L1941584-14	1,2,3-TRICHLOROPROPANE	9/17/2019		Y	N	U		U	120	7.4	ug/kg
B-8 (5-6)	L1941584-14	1,1-DICHLOROETHENE	9/17/2019		Y	N	U		U	58	14	ug/kg
B-8 (5-6)	L1941584-14	CHLOROBENZENE	9/17/2019		Y	N	U		U	29	7.4	ug/kg
B-8 (5-6)	L1941584-14	1,3,5-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	120	11	ug/kg
B-8 (5-6)	L1941584-14	1,1,2-TRICHLOROETHANE	9/17/2019		Y	N	U		U	58	15	ug/kg
B-8 (5-6)	L1941584-14	1,1-DICHLOROETHANE	9/17/2019		Y	N	U		U	58	8.4	ug/kg
B-8 (5-6)	L1941584-14	BROMOFORM	9/17/2019		Y	N	U		U	230	14	ug/kg
B-8 (5-6)	L1941584-14	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	120	16	ug/kg
B-8 (5-6)	L1941584-14	1,2-DIBROMO-3-CHLOROPROPANE	9/17/2019		Y	N	U		U	170	58	ug/kg
B-8 (5-6)	L1941584-14	TRANS-1,4-DICHLORO-2-BUTENE	9/17/2019		Y	N	U		U	290	82	ug/kg
B-8 (5-6)	L1941584-14	1,1,1-TRICHLOROETHANE	9/17/2019		Y	N	U		U	29	9.7	ug/kg
B-8 (5-6)	L1941584-14	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	120	8.6	ug/kg
B-8 (5-6)	L1941584-14	TRANS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	58	16	ug/kg
B-8 (5-6)	L1941584-14	1,1,2,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	29	9.6	ug/kg
B-8 (5-6)	L1941584-14	1,2-DIBROMOETHANE	9/17/2019		Y	N	U		U	58	16	ug/kg
B-8 (5-6)	L1941584-14	1,2,4,5-TETRAMETHYLBENZENE	9/17/2019		Y	N	U		U	120	11	ug/kg
B-8 (5-6)	L1941584-14	TRICHLOROETHENE	9/17/2019		Y	N	U		U	29	7.9	ug/kg
B-8 (5-6)	L1941584-14	1,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	58	7.2	ug/kg
B-8 (5-6)	L1941584-14	1,2,4-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	120	19	ug/kg
B-8 (5-6)	L1941584-14	BROMODICHLOROMETHANE	9/17/2019		Y	N	U		U	29	6.3	ug/kg
B-8 (5-6)	L1941584-14	1,3-DICHLOROPROPENE, TOTAL	9/17/2019		Y	N	U		U	0.46	0.15	ug/kg
B-8 (5-6)	L1941584-14	TRICHLOROFLUOROMETHANE	9/17/2019		Y	N	U		U	230	40	ug/kg
B-8 (5-6)	L1941584-14	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	120	9.9	ug/kg
B-8 (5-6)	L1941584-14	CIS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	29	9.2	ug/kg

SDG: L1941584

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (5-6)	L1941584-14	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	230	9.8	ug/kg
B-8 (5-6)	L1941584-14	N-BUTYLBENZENE	9/17/2019		Y	N	U		U	58	9.7	ug/kg
B-8 (5-6)	L1941584-14	STYRENE	9/17/2019		Y	N	U		U	58	11	ug/kg
B-8 (5-6)	L1941584-14	CIS-1,2-DICHLOROETHENE	9/17/2019		Y	N	U		U	58	10	ug/kg
B-8 (5-6)	L1941584-14	4-METHYL-2-PENTANONE	9/17/2019		Y	N	U		U	580	74	ug/kg
B-8 (5-6)	L1941584-14	ISOPROPYLBENZENE	9/17/2019		Y	N	U		U	58	6.3	ug/kg
B-8 (5-6)	L1941584-14	4-ETHYLTOLUENE	9/17/2019		Y	N	U		U	120	22	ug/kg
B-8 (5-6)	L1941584-14	METHYL TERT BUTYL ETHER	9/17/2019		Y	N	U		U	120	12	ug/kg
B-8 (5-6)	L1941584-14	METHYLENE CHLORIDE	9/17/2019		Y	N	U		U	290	130	ug/kg
B-8 (5-6)	L1941584-14	TOLUENE	9/17/2019		Y	N	U		U	58	31	ug/kg
B-8 (5-6)	L1941584-14	BROMOMETHANE	9/17/2019		Y	N	U		U	120	34	ug/kg
B-8 (5-6)	L1941584-14	TETRACHLOROETHENE	9/17/2019		Y	N	U		U	29	11	ug/kg
B-8 (5-6)	L1941584-14	O-XYLENE	9/17/2019		Y	N	U		U	58	17	ug/kg
B-8 (5-6)	L1941584-14	TERT-BUTYLBENZENE	9/17/2019		Y	N	U		U	120	6.8	ug/kg
B-8 (5-6)	L1941584-14	VINYL CHLORIDE	9/17/2019		Y	N	U		U	58	19	ug/kg
B-8 (5-6)	L1941584-14	SEC-BUTYLBENZENE	9/17/2019		Y	N	U		U	58	8.5	ug/kg
B-8 (5-6)	L1941584-14	2-BUTANONE	9/17/2019		Y	N	U		U	580	130	ug/kg
B-8 (5-6)	L1941584-14	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	120	8.3	ug/kg
B-8 (5-6)	L1941584-14	ACETONE	9/17/2019		Y	N	U		U	580	280	ug/kg
B-8 (5-6)	L1941584-14	P-ISOPROPYLTOLUENE	9/17/2019		Y	N	U		U	58	6.3	ug/kg
B-8 (5-6)	L1941584-14	P-CHLOROTOLUENE	9/17/2019		Y	N	U		U	120	6.2	ug/kg
B-8 (5-6)	L1941584-14	P/M-XYLENE	9/17/2019		Y	N	U		U	120	32	ug/kg
B-8 (5-6)	L1941584-14	ACRYLONITRILE	9/17/2019		Y	N	U		U	230	67	ug/kg
B-8 (5-6)	L1941584-14	NAPHTHALENE	9/17/2019		Y	N	U		U	230	38	ug/kg
B-8 (5-6)	L1941584-14	DICHLORODIFLUOROMETHANE	9/17/2019		Y	N	U		U	580	53	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (5-6)	L1941584-14	BROMOBENZENE	9/17/2019		Y	N	U		U	120	8.4	ug/kg
B-8 (5-6)	L1941584-14	1,4-DIOXANE	9/17/2019		Y	N	U		U	4600	2000	ug/kg
B-8 (5-6)	L1941584-14	CARBON DISULFIDE	9/17/2019		Y	N	U		U	580	260	ug/kg
B-8 (5-6)	L1941584-14	O-CHLOROTOLUENE	9/17/2019		Y	N	U		U	120	11	ug/kg
B-8 (5-6)	L1941584-14	XYLENE (TOTAL)	9/17/2019		Y	N	U		U	0.93	0.27	ug/kg
B-8 (5-6)	L1941584-14	DIBROMOMETHANE	9/17/2019		Y	N	U		U	120	14	ug/kg
B-8 (5-6)	L1941584-14	BENZENE	9/17/2019		Y	N	U		U	29	9.6	ug/kg
B-8 (5-6)	L1941584-14	1,2-DICHLOROETHENE (TOTAL)	9/17/2019		Y	N	U		U	0.93	0.13	ug/kg
B-8 (5-6)	L1941584-14	1,2,3-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	120	19	ug/kg
B-8 (5-6)	L1941584-14	CHLOROMETHANE	9/17/2019		Y	N	U		U	230	54	ug/kg
B-8 (5-6)	L1941584-14	CARBON TETRACHLORIDE	9/17/2019		Y	N	U		U	58	13	ug/kg
B-8 (5-6)	L1941584-14	2,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	120	12	ug/kg
B-8 (5-6)	L1941584-14	CHLOROETHANE	9/17/2019		Y	N	U		U	120	26	ug/kg
B-8 (5-6)	L1941584-14	2-HEXANONE	9/17/2019		Y	N	U		U	580	68	ug/kg
B-8 (5-6)	L1941584-14	CHLOROFORM	9/17/2019		Y	N	U		U	87	8.1	ug/kg
B-8 (5-6)	L1941584-14	ETHYL ETHER	9/17/2019		Y	N	U		U	120	20	ug/kg
B-8 (5-6)	L1941584-14	1,2-DICHLOROETHANE	9/17/2019		Y	N	U		U	58	15	ug/kg
B-8 (5-6)	L1941584-14	N-PROPYLBENZENE	9/17/2019		Y	N	U		U	58	9.9	ug/kg
B-8 (5-6)	L1941584-14	ETHYLBENZENE	9/17/2019		Y	N	U		U	58	8.2	ug/kg
B-9 (3-4)	L1941584-07	STYRENE	9/16/2019		Y	N	U		U	1.6	0.31	ug/kg
B-9 (3-4)	L1941584-07	ETHYLBENZENE	9/16/2019		Y	N	U		U	1.6	0.22	ug/kg
B-9 (3-4)	L1941584-07	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.77	Y	Y	J		J	2.4	0.21	ug/kg
B-9 (3-4)	L1941584-07	NAPHTHALENE	9/16/2019		Y	N	U		U	6.3	1.0	ug/kg
B-9 (3-4)	L1941584-07	BROMOBENZENE	9/16/2019		Y	N	U		U	3.1	0.23	ug/kg
B-9 (3-4)	L1941584-07	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	1.6	0.17	ug/kg

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (3-4)	L1941584-07	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	3.1	0.43	ug/kg
B-9 (3-4)	L1941584-07	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	3.1	0.52	ug/kg
B-9 (3-4)	L1941584-07	ACRYLONITRILE	9/16/2019		Y	N	U		U	6.3	1.8	ug/kg
B-9 (3-4)	L1941584-07	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	4.7	1.6	ug/kg
B-9 (3-4)	L1941584-07	TRICHLOROETHENE	9/16/2019		Y	N	U		U	0.78	0.21	ug/kg
B-9 (3-4)	L1941584-07	TOLUENE	9/16/2019		Y	N	U		U	1.6	0.85	ug/kg
B-9 (3-4)	L1941584-07	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	16	2.0	ug/kg
B-9 (3-4)	L1941584-07	ETHYL ETHER	9/16/2019		Y	N	U		U	3.1	0.53	ug/kg
B-9 (3-4)	L1941584-07	2-HEXANONE	9/16/2019		Y	N	U		U	16	1.8	ug/kg
B-9 (3-4)	L1941584-07	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.6	0.22	ug/kg
B-9 (3-4)	L1941584-07	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.78	0.25	ug/kg
B-9 (3-4)	L1941584-07	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.78	0.20	ug/kg
B-9 (3-4)	L1941584-07	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	1.6	0.37	ug/kg
B-9 (3-4)	L1941584-07	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.6	0.23	ug/kg
B-9 (3-4)	L1941584-07	CHLOROETHANE	9/16/2019		Y	N	U		U	3.1	0.71	ug/kg
B-9 (3-4)	L1941584-07	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	1.6	0.42	ug/kg
B-9 (3-4)	L1941584-07	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.78	0.26	ug/kg
B-9 (3-4)	L1941584-07	CHLOROMETHANE	9/16/2019		Y	N	U		U	6.3	1.5	ug/kg
B-9 (3-4)	L1941584-07	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.78	0.26	ug/kg
B-9 (3-4)	L1941584-07	BROMOFORM	9/16/2019		Y	N	U		U	6.3	0.38	ug/kg
B-9 (3-4)	L1941584-07	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.78	0.21	ug/kg
B-9 (3-4)	L1941584-07	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	3.1	0.32	ug/kg
B-9 (3-4)	L1941584-07	BROMOMETHANE	9/16/2019		Y	N	U		U	3.1	0.91	ug/kg
B-9 (3-4)	L1941584-07	DIBROMOMETHANE	9/16/2019		Y	N	U		U	3.1	0.37	ug/kg
B-9 (3-4)	L1941584-07	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	3.1	0.50	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (3-4)	L1941584-07	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	1.6	0.44	ug/kg
B-9 (3-4)	L1941584-07	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	3.1	0.30	ug/kg
B-9 (3-4)	L1941584-07	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.78	0.17	ug/kg
B-9 (3-4)	L1941584-07	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	3.1	0.22	ug/kg
B-9 (3-4)	L1941584-07	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.6	0.40	ug/kg
B-9 (3-4)	L1941584-07	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	16	1.4	ug/kg
B-9 (3-4)	L1941584-07	CARBON DISULFIDE	9/16/2019		Y	N	U		U	16	7.1	ug/kg
B-9 (3-4)	L1941584-07	1,4-DICHLOROBENZENE	9/16/2019	2.8	Y	Y	J		J	3.1	0.27	ug/kg
B-9 (3-4)	L1941584-07	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	1.6	0.27	ug/kg
B-9 (3-4)	L1941584-07	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	3.1	0.30	ug/kg
B-9 (3-4)	L1941584-07	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	3.1	0.20	ug/kg
B-9 (3-4)	L1941584-07	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	3.1	0.30	ug/kg
B-9 (3-4)	L1941584-07	O-XYLENE	9/16/2019		Y	N	U		U	1.6	0.46	ug/kg
B-9 (3-4)	L1941584-07	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	3.1	0.17	ug/kg
B-9 (3-4)	L1941584-07	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	3.1	0.28	ug/kg
B-9 (3-4)	L1941584-07	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.6	0.20	ug/kg
B-9 (3-4)	L1941584-07	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.77	Y	Y	J		J	1.6	0.21	ug/kg
B-9 (3-4)	L1941584-07	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.6	0.26	ug/kg
B-9 (3-4)	L1941584-07	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	1.6	0.17	ug/kg
B-9 (3-4)	L1941584-07	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	3.1	0.23	ug/kg
B-9 (3-4)	L1941584-07	P/M-XYLENE	9/16/2019		Y	N	U		U	3.1	0.88	ug/kg
B-9 (3-4)	L1941584-07	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.6	0.23	ug/kg
B-9 (3-4)	L1941584-07	2-BUTANONE	9/16/2019	6.4	Y	Y	J		J	16	3.5	ug/kg
B-9 (3-4)	L1941584-07	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	3.1	0.18	ug/kg
B-9 (3-4)	L1941584-07	CHLOROFORM	9/16/2019		Y	N	J	U	U	2.4	0.22	ug/kg

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (3-4)	L1941584-07	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	1.6	0.43	ug/kg
B-9 (3-4)	L1941584-07	METHYL TERT BUTYL ETHER	9/16/2019	2.0	Y	Y	J		J	3.1	0.32	ug/kg
B-9 (3-4)	L1941584-07	TETRACHLOROETHENE	9/16/2019	0.36	Y	Y	J		J	0.78	0.31	ug/kg
B-9 (3-4)	L1941584-07	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	7.8	2.2	ug/kg
B-9 (3-4)	L1941584-07	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	3.1	0.60	ug/kg
B-9 (3-4)	L1941584-07	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	6.3	1.1	ug/kg
B-9 (3-4)	L1941584-07	VINYL ACETATE	9/16/2019		Y	N	U		U	16	3.4	ug/kg
B-9 (3-4)	L1941584-07	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.78	0.25	ug/kg
B-9 (3-4)	L1941584-07	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.78	0.25	ug/kg
B-9 (3-4)	L1941584-07	1,4-DIOXANE	9/16/2019		Y	N	U		U	120	55	ug/kg
B-9 (3-4)	L1941584-07	VINYL CHLORIDE	9/16/2019		Y	N	U		U	1.6	0.52	ug/kg
B-9 (3-4)	L1941584-07	ACETONE	9/16/2019	480	Y	Y	E	J	J	16	7.5	ug/kg
B-9 (3-4)	L1941584-07	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	1.6	0.27	ug/kg
B-9 (3-4)	L1941584-07	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	3.1	0.26	ug/kg
B-9 (3-4)	L1941584-07	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	6.3	0.26	ug/kg
B-9 (3-4)	L1941584-07	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	3.1	0.32	ug/kg
B-9 (3-4)	L1941584-07	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	1.6	0.36	ug/kg
B-9 (3-4)	L1941584-07	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	1.6	0.46	ug/kg
B-9 (3-4)	L1941584-07	BENZENE	9/16/2019	0.78	Y	Y				0.78	0.26	ug/kg
B-9 (3-4)	L1941584-07	METHYLENE CHLORIDE	9/16/2019	20	Y	Y				7.8	3.6	ug/kg
B-9 (3-4)	L1941584-07	1,4-DIOXANE	9/17/2019		Y	N	U		U	4500	2000	ug/kg
B-9 (3-4)	L1941584-07	ACETONE	9/17/2019		Y	N	U		U	560	270	ug/kg
B-9 (3-4)	L1941584-07	BENZENE	9/17/2019	9.8	Y	Y	J		J	28	9.3	ug/kg
B-9 (3-4)	L1941584-07	2-HEXANONE	9/17/2019		Y	N	U		U	560	66	ug/kg
B-9 (3-4)	L1941584-07	2-BUTANONE	9/17/2019		Y	N	U		U	560	120	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (3-4)	L1941584-07	4-METHYL-2-PENTANONE	9/17/2019		Y	N	U		U	560	72	ug/kg
B-9 (3-4)	L1941584-07	1,4-DICHLOROBENZENE	9/17/2019	12	Y	Y	J		J	110	9.6	ug/kg
B-9 (3-4)	L1941584-07	BROMODICHLOROMETHANE	9/17/2019		Y	N	U		U	28	6.1	ug/kg
B-9 (3-4)	L1941584-07	CARBON DISULFIDE	9/17/2019		Y	N	U		U	560	250	ug/kg
B-9 (3-4)	L1941584-07	ACRYLONITRILE	9/17/2019		Y	N	U		U	220	64	ug/kg
B-9 (3-4)	L1941584-07	BROMOMETHANE	9/17/2019		Y	N	U		U	110	32	ug/kg
B-9 (3-4)	L1941584-07	BROMOFORM	9/17/2019		Y	N	U		U	220	14	ug/kg
B-9 (3-4)	L1941584-07	1,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	56	7.0	ug/kg
B-9 (3-4)	L1941584-07	1,3-DICHLOROPROPANE	9/17/2019		Y	N	U		U	110	9.3	ug/kg
B-9 (3-4)	L1941584-07	1,3,5-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	110	11	ug/kg
B-9 (3-4)	L1941584-07	2,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	110	11	ug/kg
B-9 (3-4)	L1941584-07	BROMOBENZENE	9/17/2019		Y	N	U		U	110	8.1	ug/kg
B-9 (3-4)	L1941584-07	BROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	110	11	ug/kg
B-9 (3-4)	L1941584-07	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	110	8.3	ug/kg
B-9 (3-4)	L1941584-07	1,3-DICHLOROPROPENE, TOTAL	9/17/2019		Y	N	U		U	0.78	0.25	ug/kg
B-9 (3-4)	L1941584-07	P-CHLOROTOLUENE	9/17/2019		Y	N	U		U	110	6.0	ug/kg
B-9 (3-4)	L1941584-07	1,2,3-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	110	18	ug/kg
B-9 (3-4)	L1941584-07	TRICHLOROFLUOROMETHANE	9/17/2019		Y	N	U		U	220	39	ug/kg
B-9 (3-4)	L1941584-07	VINYL ACETATE	9/17/2019		Y	N	U		U	560	120	ug/kg
B-9 (3-4)	L1941584-07	VINYL CHLORIDE	9/17/2019		Y	N	U		U	56	19	ug/kg
B-9 (3-4)	L1941584-07	XYLENE (TOTAL)	9/17/2019		Y	N	U		U	1.6	0.46	ug/kg
B-9 (3-4)	L1941584-07	CIS-1,2-DICHLOROETHENE	9/17/2019		Y	N	U		U	56	9.8	ug/kg
B-9 (3-4)	L1941584-07	CIS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	28	8.8	ug/kg
B-9 (3-4)	L1941584-07	N-BUTYLBENZENE	9/17/2019		Y	N	U		U	56	9.3	ug/kg
B-9 (3-4)	L1941584-07	N-PROPYLBENZENE	9/17/2019		Y	N	U		U	56	9.6	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (3-4)	L1941584-07	ETHYLBENZENE	9/17/2019		Y	N	U		U	56	7.9	ug/kg
B-9 (3-4)	L1941584-07	O-XYLENE	9/17/2019		Y	N	U		U	56	16	ug/kg
B-9 (3-4)	L1941584-07	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	110	15	ug/kg
B-9 (3-4)	L1941584-07	1,4-DIETHYLBENZENE	9/17/2019		Y	N	U		U	110	9.9	ug/kg
B-9 (3-4)	L1941584-07	4-ETHYLTOLUENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-9 (3-4)	L1941584-07	P-ISOPROPYLTOLUENE	9/17/2019		Y	N	U		U	56	6.1	ug/kg
B-9 (3-4)	L1941584-07	P/M-XYLENE	9/17/2019		Y	N	U		U	110	31	ug/kg
B-9 (3-4)	L1941584-07	SEC-BUTYLBENZENE	9/17/2019		Y	N	U		U	56	8.2	ug/kg
B-9 (3-4)	L1941584-07	TERT-BUTYLBENZENE	9/17/2019		Y	N	U		U	110	6.6	ug/kg
B-9 (3-4)	L1941584-07	TRANS-1,2-DICHLOROETHENE	9/17/2019		Y	N	U		U	84	7.7	ug/kg
B-9 (3-4)	L1941584-07	TRANS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	56	15	ug/kg
B-9 (3-4)	L1941584-07	TRANS-1,4-DICHLORO-2-BUTENE	9/17/2019		Y	N	U		U	280	80	ug/kg
B-9 (3-4)	L1941584-07	O-CHLOROTOLUENE	9/17/2019		Y	N	U		U	110	11	ug/kg
B-9 (3-4)	L1941584-07	ETHYL ETHER	9/17/2019		Y	N	U		U	110	19	ug/kg
B-9 (3-4)	L1941584-07	CHLOROBENZENE	9/17/2019		Y	N	U		U	28	7.1	ug/kg
B-9 (3-4)	L1941584-07	CHLOROETHANE	9/17/2019		Y	N	U		U	110	25	ug/kg
B-9 (3-4)	L1941584-07	CHLOROMETHANE	9/17/2019		Y	N	U		U	220	52	ug/kg
B-9 (3-4)	L1941584-07	DIBROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	56	7.8	ug/kg
B-9 (3-4)	L1941584-07	DIBROMOMETHANE	9/17/2019		Y	N	U		U	110	13	ug/kg
B-9 (3-4)	L1941584-07	1,2,4-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	110	19	ug/kg
B-9 (3-4)	L1941584-07	1,2-DIBROMO-3-CHLOROPROPANE	9/17/2019		Y	N	U		U	170	56	ug/kg
B-9 (3-4)	L1941584-07	1,2-DIBROMOETHANE	9/17/2019		Y	N	U		U	56	16	ug/kg
B-9 (3-4)	L1941584-07	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	110	8.1	ug/kg
B-9 (3-4)	L1941584-07	1,2,3-TRICHLOROPROPANE	9/17/2019		Y	N	U		U	110	7.1	ug/kg
B-9 (3-4)	L1941584-07	DICHLORODIFLUOROMETHANE	9/17/2019		Y	N	U		U	560	51	ug/kg

SDG: L1941584

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (3-4)	L1941584-07	1,2,4,5-TETRAMETHYLBENZENE	9/17/2019		Y	N	U		U	110	11	ug/kg
B-9 (3-4)	L1941584-07	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	220	9.5	ug/kg
B-9 (3-4)	L1941584-07	ISOPROPYLBENZENE	9/17/2019		Y	N	U		U	56	6.1	ug/kg
B-9 (3-4)	L1941584-07	METHYL TERT BUTYL ETHER	9/17/2019		Y	N	U		U	110	11	ug/kg
B-9 (3-4)	L1941584-07	CHLOROFORM	9/17/2019		Y	N	U		U	84	7.8	ug/kg
B-9 (3-4)	L1941584-07	NAPHTHALENE	9/17/2019		Y	N	U		U	220	36	ug/kg
B-9 (3-4)	L1941584-07	STYRENE	9/17/2019		Y	N	U		U	56	11	ug/kg
B-9 (3-4)	L1941584-07	TETRACHLOROETHENE	9/17/2019		Y	N	U		U	28	11	ug/kg
B-9 (3-4)	L1941584-07	TOLUENE	9/17/2019		Y	N	U		U	56	30	ug/kg
B-9 (3-4)	L1941584-07	TRICHLOROETHENE	9/17/2019		Y	N	U		U	28	7.7	ug/kg
B-9 (3-4)	L1941584-07	CARBON TETRACHLORIDE	9/17/2019		Y	N	U		U	56	13	ug/kg
B-9 (3-4)	L1941584-07	1,2-DICHLOROETHANE	9/17/2019		Y	N	U		U	56	14	ug/kg
B-9 (3-4)	L1941584-07	1,2-DICHLOROETHENE (TOTAL)	9/17/2019		Y	N	U		U	1.6	0.21	ug/kg
B-9 (3-4)	L1941584-07	1,1,1-TRICHLOROETHANE	9/17/2019		Y	N	U		U	28	9.3	ug/kg
B-9 (3-4)	L1941584-07	1,1,1,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	28	7.4	ug/kg
B-9 (3-4)	L1941584-07	1,1-DICHLOROETHANE	9/17/2019		Y	N	U		U	56	8.1	ug/kg
B-9 (3-4)	L1941584-07	1,1-DICHLOROETHENE	9/17/2019		Y	N	U		U	56	13	ug/kg
B-9 (3-4)	L1941584-07	1,1,2,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	28	9.3	ug/kg
B-9 (3-4)	L1941584-07	1,1-DICHLOROPROPENE	9/17/2019		Y	N	U		U	28	8.9	ug/kg
B-9 (3-4)	L1941584-07	1,1,2-TRICHLOROETHANE	9/17/2019		Y	N	U		U	56	15	ug/kg
B-9 (3-4)	L1941584-07	METHYLENE CHLORIDE	9/17/2019		Y	N	U		U	280	130	ug/kg
B-9 (6-7)	L1941584-08	BROMOFORM	9/16/2019		Y	N	U		U	3.8	0.23	ug/kg
B-9 (6-7)	L1941584-08	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.48	0.10	ug/kg
B-9 (6-7)	L1941584-08	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.9	0.20	ug/kg
B-9 (6-7)	L1941584-08	CARBON DISULFIDE	9/16/2019		Y	N	U		U	9.5	4.3	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (6-7)	L1941584-08	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	0.95	0.22	ug/kg
B-9 (6-7)	L1941584-08	BROMOBENZENE	9/16/2019		Y	N	U		U	1.9	0.14	ug/kg
B-9 (6-7)	L1941584-08	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.48	0.12	ug/kg
B-9 (6-7)	L1941584-08	BENZENE	9/16/2019		Y	N	U		U	0.48	0.16	ug/kg
B-9 (6-7)	L1941584-08	ACRYLONITRILE	9/16/2019		Y	N	U		U	3.8	1.1	ug/kg
B-9 (6-7)	L1941584-08	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	9.5	1.2	ug/kg
B-9 (6-7)	L1941584-08	BROMOMETHANE	9/16/2019		Y	N	U		U	1.9	0.55	ug/kg
B-9 (6-7)	L1941584-08	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.95	0.14	ug/kg
B-9 (6-7)	L1941584-08	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.9	0.18	ug/kg
B-9 (6-7)	L1941584-08	O-XYLENE	9/16/2019		Y	N	U		U	0.95	0.28	ug/kg
B-9 (6-7)	L1941584-08	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	1.9	0.10	ug/kg
B-9 (6-7)	L1941584-08	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.17	ug/kg
B-9 (6-7)	L1941584-08	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	1.9	0.36	ug/kg
B-9 (6-7)	L1941584-08	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.41	Y	Y	J		J	1.4	0.13	ug/kg
B-9 (6-7)	L1941584-08	P/M-XYLENE	9/16/2019		Y	N	U		U	1.9	0.53	ug/kg
B-9 (6-7)	L1941584-08	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	0.95	0.16	ug/kg
B-9 (6-7)	L1941584-08	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.11	ug/kg
B-9 (6-7)	L1941584-08	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.95	0.26	ug/kg
B-9 (6-7)	L1941584-08	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	4.8	1.4	ug/kg
B-9 (6-7)	L1941584-08	CHLOROFORM	9/16/2019		Y	N	J	U	U	1.4	0.13	ug/kg
B-9 (6-7)	L1941584-08	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.9	0.19	ug/kg
B-9 (6-7)	L1941584-08	METHYL TERT BUTYL ETHER	9/16/2019	0.37	Y	Y	J		J	1.9	0.19	ug/kg
B-9 (6-7)	L1941584-08	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	0.95	0.10	ug/kg
B-9 (6-7)	L1941584-08	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.41	Y	Y	J		J	0.95	0.13	ug/kg
B-9 (6-7)	L1941584-08	2-HEXANONE	9/16/2019		Y	N	U		U	9.5	1.1	ug/kg

Analytical Method	SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (6-7)	L1941584-08	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.48	0.15	ug/kg
B-9 (6-7)	L1941584-08	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.95	0.23	ug/kg
B-9 (6-7)	L1941584-08	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.95	0.14	ug/kg
B-9 (6-7)	L1941584-08	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.95	0.25	ug/kg
B-9 (6-7)	L1941584-08	ETHYLBENZENE	9/16/2019		Y	N	U		U	0.95	0.13	ug/kg
B-9 (6-7)	L1941584-08	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	0.95	0.10	ug/kg
B-9 (6-7)	L1941584-08	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	9.5	0.87	ug/kg
B-9 (6-7)	L1941584-08	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.31	ug/kg
B-9 (6-7)	L1941584-08	CHLOROETHANE	9/16/2019		Y	N	U		U	1.9	0.43	ug/kg
B-9 (6-7)	L1941584-08	DIBROMOMETHANE	9/16/2019		Y	N	U		U	1.9	0.23	ug/kg
B-9 (6-7)	L1941584-08	CHLOROMETHANE	9/16/2019		Y	N	U		U	3.8	0.89	ug/kg
B-9 (6-7)	L1941584-08	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	0.95	0.13	ug/kg
B-9 (6-7)	L1941584-08	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.48	0.12	ug/kg
B-9 (6-7)	L1941584-08	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.48	0.16	ug/kg
B-9 (6-7)	L1941584-08	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.48	0.16	ug/kg
B-9 (6-7)	L1941584-08	ETHYL ETHER	9/16/2019		Y	N	U		U	1.9	0.32	ug/kg
B-9 (6-7)	L1941584-08	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	0.95	0.24	ug/kg
B-9 (6-7)	L1941584-08	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.9	0.16	ug/kg
B-9 (6-7)	L1941584-08	1,4-DIOXANE	9/16/2019		Y	N	U		U	76	33	ug/kg
B-9 (6-7)	L1941584-08	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.16	ug/kg
B-9 (6-7)	L1941584-08	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.48	0.15	ug/kg
B-9 (6-7)	L1941584-08	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.14	ug/kg
B-9 (6-7)	L1941584-08	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.18	ug/kg
B-9 (6-7)	L1941584-08	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	3.8	0.16	ug/kg
B-9 (6-7)	L1941584-08	TOTAL TIC COMPOUNDS	9/16/2019	273	Y	Y	J		J			

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (6-7)	L1941584-08	2-BUTANONE	9/16/2019		Y	N	U		U	9.5	2.1	ug/kg
B-9 (6-7)	L1941584-08	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.14	ug/kg
B-9 (6-7)	L1941584-08	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	0.95	0.26	ug/kg
B-9 (6-7)	L1941584-08	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	2.8	0.95	ug/kg
B-9 (6-7)	L1941584-08	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.32	ug/kg
B-9 (6-7)	L1941584-08	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	1.9	0.26	ug/kg
B-9 (6-7)	L1941584-08	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	1.9	0.18	ug/kg
B-9 (6-7)	L1941584-08	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	1.9	0.12	ug/kg
B-9 (6-7)	L1941584-08	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	0.95	0.12	ug/kg
B-9 (6-7)	L1941584-08	VINYL CHLORIDE	9/16/2019		Y	N	U		U	0.95	0.32	ug/kg
B-9 (6-7)	L1941584-08	STYRENE	9/16/2019		Y	N	U		U	0.95	0.19	ug/kg
B-9 (6-7)	L1941584-08	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.48	0.19	ug/kg
B-9 (6-7)	L1941584-08	TRICHLOROETHENE	9/16/2019		Y	N	U		U	0.48	0.13	ug/kg
B-9 (6-7)	L1941584-08	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	3.8	0.66	ug/kg
B-9 (6-7)	L1941584-08	VINYL ACETATE	9/16/2019		Y	N	U		U	9.5	2.0	ug/kg
B-9 (6-7)	L1941584-08	TOLUENE	9/16/2019		Y	N	U		U	0.95	0.52	ug/kg
B-9 (6-7)	L1941584-08	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	0.95	0.28	ug/kg
B-9 (6-7)	L1941584-08	UNKNOWN	9/16/2019	273	Y	Y	J		J			
B-9 (6-7)	L1941584-08	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	0.95	0.16	ug/kg
B-9 (6-7)	L1941584-08	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.48	0.15	ug/kg
B-9 (6-7)	L1941584-08	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	0.95	0.17	ug/kg
B-9 (6-7)	L1941584-08	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	4.8	2.2	ug/kg
B-9 (6-7)	L1941584-08	NAPHTHALENE	9/16/2019		Y	N	U		U	3.8	0.62	ug/kg
B-9 (6-7)	L1941584-08	ACETONE	9/16/2019	270	Y	Y				9.5	4.6	ug/kg
DUP	L1941584-17	ACETONE	9/17/2019	530	Y	Y	E	J	J	9.4	4.5	ug/kg

SDG: L1941584

Analytical Method	SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP	L1941584-17	METHYL TERT BUTYL ETHER	9/17/2019	0.31	Y	Y	J		J	1.9	0.19	ug/kg
DUP	L1941584-17	1,1-DICHLOROETHANE	9/17/2019		Y	N	U		U	0.94	0.14	ug/kg
DUP	L1941584-17	N-PROPYLBENZENE	9/17/2019		Y	N	U		U	0.94	0.16	ug/kg
DUP	L1941584-17	METHYLENE CHLORIDE	9/17/2019		Y	N	U		U	4.7	2.1	ug/kg
DUP	L1941584-17	CARBON TETRACHLORIDE	9/17/2019		Y	N	U		U	0.94	0.22	ug/kg
DUP	L1941584-17	BROMOFORM	9/17/2019		Y	N	U		U	3.8	0.23	ug/kg
DUP	L1941584-17	O-CHLOROTOLUENE	9/17/2019		Y	N	U		U	1.9	0.18	ug/kg
DUP	L1941584-17	1,3-DICHLOROPROPANE	9/17/2019		Y	N	U		U	1.9	0.16	ug/kg
DUP	L1941584-17	1,1-DICHLOROPROPENE	9/17/2019		Y	N	U		U	0.47	0.15	ug/kg
DUP	L1941584-17	1,1-DICHLOROETHENE	9/17/2019		Y	N	U		U	0.94	0.22	ug/kg
DUP	L1941584-17	NAPHTHALENE	9/17/2019		Y	N	U		U	3.8	0.61	ug/kg
DUP	L1941584-17	O-XYLENE	9/17/2019		Y	N	U		U	0.94	0.27	ug/kg
DUP	L1941584-17	N-BUTYLBENZENE	9/17/2019		Y	N	U		U	0.94	0.16	ug/kg
DUP	L1941584-17	CARBON DISULFIDE	9/17/2019		Y	N	U		U	9.4	4.3	ug/kg
DUP	L1941584-17	1,4-DIETHYLBENZENE	9/17/2019		Y	N	U		U	1.9	0.17	ug/kg
DUP	L1941584-17	DIBROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	0.94	0.13	ug/kg
DUP	L1941584-17	CIS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	0.47	0.15	ug/kg
DUP	L1941584-17	DIBROMOMETHANE	9/17/2019		Y	N	U		U	1.9	0.22	ug/kg
DUP	L1941584-17	DICHLORODIFLUOROMETHANE	9/17/2019		Y	N	U		U	9.4	0.86	ug/kg
DUP	L1941584-17	4-METHYL-2-PENTANONE	9/17/2019		Y	N	U		U	9.4	1.2	ug/kg
DUP	L1941584-17	BROMOMETHANE	9/17/2019		Y	N	U		U	1.9	0.54	ug/kg
DUP	L1941584-17	ETHYL ETHER	9/17/2019		Y	N	U		U	1.9	0.32	ug/kg
DUP	L1941584-17	1,1,1,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	0.47	0.12	ug/kg
DUP	L1941584-17	2,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	1.9	0.19	ug/kg
DUP	L1941584-17	ETHYLBENZENE	9/17/2019		Y	N	U		U	0.94	0.13	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP	L1941584-17	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	1.9	0.16	ug/kg
DUP	L1941584-17	SEC-BUTYLBENZENE	9/17/2019		Y	N	U		U	0.94	0.14	ug/kg
DUP	L1941584-17	1,1,1-TRICHLOROETHANE	9/17/2019		Y	N	U		U	0.47	0.16	ug/kg
DUP	L1941584-17	P/M-XYLENE	9/17/2019		Y	N	U		U	1.9	0.52	ug/kg
DUP	L1941584-17	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	3.8	0.16	ug/kg
DUP	L1941584-17	ISOPROPYLBENZENE	9/17/2019		Y	N	U		U	0.94	0.10	ug/kg
DUP	L1941584-17	1,1,2,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	0.47	0.16	ug/kg
DUP	L1941584-17	4-ETHYLTOLUENE	9/17/2019		Y	N	U		U	1.9	0.36	ug/kg
DUP	L1941584-17	TETRACHLOROETHENE	9/17/2019		Y	N	U		U	0.47	0.18	ug/kg
DUP	L1941584-17	TERT-BUTYLBENZENE	9/17/2019		Y	N	U		U	1.9	0.11	ug/kg
DUP	L1941584-17	STYRENE	9/17/2019		Y	N	U		U	0.94	0.18	ug/kg
DUP	L1941584-17	1,4-DIOXANE	9/17/2019		Y	N	U	UJ	UJ	75	33	ug/kg
DUP	L1941584-17	P-ISOPROPYLTOLUENE	9/17/2019		Y	N	U		U	0.94	0.10	ug/kg
DUP	L1941584-17	2-BUTANONE	9/17/2019		Y	N	U	UJ	UJ	9.4	2.1	ug/kg
DUP	L1941584-17	1,1,2-TRICHLOROETHANE	9/17/2019		Y	N	U		U	0.94	0.25	ug/kg
DUP	L1941584-17	1,3-DICHLOROPROPENE, TOTAL	9/17/2019		Y	N	U		U	0.47	0.15	ug/kg
DUP	L1941584-17	P-CHLOROTOLUENE	9/17/2019		Y	N	U		U	1.9	0.10	ug/kg
DUP	L1941584-17	2-HEXANONE	9/17/2019		Y	N	U		U	9.4	1.1	ug/kg
DUP	L1941584-17	1,2-DIBROMOETHANE	9/17/2019		Y	N	U		U	0.94	0.26	ug/kg
DUP	L1941584-17	1,3,5-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	1.9	0.18	ug/kg
DUP	L1941584-17	CIS-1,2-DICHLOROETHENE	9/17/2019		Y	N	U		U	0.94	0.16	ug/kg
DUP	L1941584-17	CHLOROMETHANE	9/17/2019		Y	N	U		U	3.8	0.87	ug/kg
DUP	L1941584-17	TOTAL TIC COMPOUNDS	9/17/2019	223	Y	Y	J		J			
DUP	L1941584-17	1,2-DICHLOROETHANE	9/17/2019		Y	N	U		U	0.94	0.24	ug/kg
DUP	L1941584-17	TRANS-1,4-DICHLORO-2-BUTENE	9/17/2019		Y	N	U		U	4.7	1.3	ug/kg

Analytical Method	SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP	L1941584-17	CHLOROFORM	9/17/2019		Y	N	U		U	1.4	0.13	ug/kg
DUP	L1941584-17	1,2-DIBROMO-3-CHLOROPROPANE	9/17/2019		Y	N	U		U	2.8	0.94	ug/kg
DUP	L1941584-17	1,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	0.94	0.12	ug/kg
DUP	L1941584-17	CHLOROBENZENE	9/17/2019		Y	N	U		U	0.47	0.12	ug/kg
DUP	L1941584-17	1,2-DICHLOROETHENE (TOTAL)	9/17/2019		Y	N	U		U	0.94	0.13	ug/kg
DUP	L1941584-17	CHLOROETHANE	9/17/2019		Y	N	U		U	1.9	0.42	ug/kg
DUP	L1941584-17	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	1.9	0.26	ug/kg
DUP	L1941584-17	BROMODICHLOROMETHANE	9/17/2019		Y	N	U		U	0.47	0.10	ug/kg
DUP	L1941584-17	TRICHLOROETHENE	9/17/2019		Y	N	U		U	0.47	0.13	ug/kg
DUP	L1941584-17	XYLENE (TOTAL)	9/17/2019		Y	N	U		U	0.94	0.27	ug/kg
DUP	L1941584-17	BENZENE	9/17/2019		Y	N	U		U	0.47	0.16	ug/kg
DUP	L1941584-17	TRICHLOROFLUOROMETHANE	9/17/2019		Y	N	U		U	3.8	0.65	ug/kg
DUP	L1941584-17	BROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	1.9	0.19	ug/kg
DUP	L1941584-17	ISO-PROPYL ALCOHOL	9/17/2019	12.2	Y	Y	NJ		J			
DUP	L1941584-17	VINYL CHLORIDE	9/17/2019		Y	N	U		U	0.94	0.31	ug/kg
DUP	L1941584-17	BROMOBENZENE	9/17/2019		Y	N	U		U	1.9	0.14	ug/kg
DUP	L1941584-17	VINYL ACETATE	9/17/2019		Y	N	U		U	9.4	2.0	ug/kg
DUP	L1941584-17	ETHYL ACETATE	9/17/2019	211	Y	Y	NJ		J			
DUP	L1941584-17	1,2,4,5-TETRAMETHYLBENZENE	9/17/2019		Y	N	U		U	1.9	0.18	ug/kg
DUP	L1941584-17	1,2,4-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	1.9	0.31	ug/kg
DUP	L1941584-17	TRANS-1,2-DICHLOROETHENE	9/17/2019		Y	N	U		U	1.4	0.13	ug/kg
DUP	L1941584-17	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	1.9	0.14	ug/kg
DUP	L1941584-17	1,2,3-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	1.9	0.30	ug/kg
DUP	L1941584-17	1,2,3-TRICHLOROPROPANE	9/17/2019		Y	N	U		U	1.9	0.12	ug/kg
DUP	L1941584-17	TRANS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	0.94	0.26	ug/kg

SDG: L1941584

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP	L1941584-17	ACRYLONITRILE	9/17/2019		Y	N	U		U	3.8	1.1	ug/kg
DUP	L1941584-17	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	1.9	0.14	ug/kg
DUP	L1941584-17	TOLUENE	9/17/2019		Y	N	U		U	0.94	0.51	ug/kg
DUP	L1941584-17	TRICHLOROETHENE	9/18/2019	7.7	Y	Y	J		J	23	6.4	ug/kg
DUP	L1941584-17	2-BUTANONE	9/18/2019		Y	N	U		U	460	100	ug/kg
DUP	L1941584-17	1,4-DIETHYLBENZENE	9/18/2019		Y	N	U		U	93	8.2	ug/kg
DUP	L1941584-17	BROMOMETHANE	9/18/2019		Y	N	U		U	93	27	ug/kg
DUP	L1941584-17	METHYL TERT BUTYL ETHER	9/18/2019		Y	N	U		U	93	9.4	ug/kg
DUP	L1941584-17	4-ETHYLTOLUENE	9/18/2019		Y	N	U		U	93	18	ug/kg
DUP	L1941584-17	N-PROPYLBENZENE	9/18/2019		Y	N	U		U	46	8.0	ug/kg
DUP	L1941584-17	DICHLORODIFLUOROMETHANE	9/18/2019		Y	N	U		U	460	42	ug/kg
DUP	L1941584-17	1,4-DIOXANE	9/18/2019		Y	N	U		U	3700	1600	ug/kg
DUP	L1941584-17	TETRACHLOROETHENE	9/18/2019		Y	N	U		U	23	9.1	ug/kg
DUP	L1941584-17	DIBROMOMETHANE	9/18/2019		Y	N	U		U	93	11	ug/kg
DUP	L1941584-17	SEC-BUTYLBENZENE	9/18/2019		Y	N	U		U	46	6.8	ug/kg
DUP	L1941584-17	XYLENE (TOTAL)	9/18/2019		Y	N	U		U	46	14	ug/kg
DUP	L1941584-17	BROMOBENZENE	9/18/2019		Y	N	U		U	93	6.7	ug/kg
DUP	L1941584-17	P-ISOPROPYLTOLUENE	9/18/2019		Y	N	U		U	46	5.1	ug/kg
DUP	L1941584-17	BENZENE	9/18/2019		Y	N	U		U	23	7.7	ug/kg
DUP	L1941584-17	VINYL CHLORIDE	9/18/2019		Y	N	U		U	46	16	ug/kg
DUP	L1941584-17	TERT-BUTYLBENZENE	9/18/2019		Y	N	U		U	93	5.5	ug/kg
DUP	L1941584-17	STYRENE	9/18/2019		Y	N	U		U	46	9.1	ug/kg
DUP	L1941584-17	DIBROMOCHLOROMETHANE	9/18/2019		Y	N	U		U	46	6.5	ug/kg
DUP	L1941584-17	P-CHLOROTOLUENE	9/18/2019		Y	N	U		U	93	5.0	ug/kg
DUP	L1941584-17	CHLOROMETHANE	9/18/2019		Y	N	U		U	190	43	ug/kg

SDG: L1941584

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP	L1941584-17	1,2-DICHLOROETHENE (TOTAL)	9/18/2019		Y	N	U		U	46	6.4	ug/kg
DUP	L1941584-17	HEXACHLOROBUTADIENE	9/18/2019		Y	N	U		U	190	7.9	ug/kg
DUP	L1941584-17	2-HEXANONE	9/18/2019		Y	N	U		U	460	55	ug/kg
DUP	L1941584-17	CIS-1,2-DICHLOROETHENE	9/18/2019		Y	N	U		U	46	8.1	ug/kg
DUP	L1941584-17	O-XYLENE	9/18/2019		Y	N	U		U	46	14	ug/kg
DUP	L1941584-17	METHYLENE CHLORIDE	9/18/2019		Y	N	U		U	230	110	ug/kg
DUP	L1941584-17	NAPHTHALENE	9/18/2019		Y	N	U		U	190	30	ug/kg
DUP	L1941584-17	CHLOROBENZENE	9/18/2019		Y	N	U		U	23	5.9	ug/kg
DUP	L1941584-17	ETHYLBENZENE	9/18/2019		Y	N	U		U	46	6.6	ug/kg
DUP	L1941584-17	CHLOROETHANE	9/18/2019		Y	N	U		U	93	21	ug/kg
DUP	L1941584-17	O-CHLOROTOLUENE	9/18/2019		Y	N	U		U	93	8.9	ug/kg
DUP	L1941584-17	ACRYLONITRILE	9/18/2019		Y	N	U		U	190	54	ug/kg
DUP	L1941584-17	1,1-DICHLOROETHANE	9/18/2019		Y	N	U		U	46	6.7	ug/kg
DUP	L1941584-17	ISOPROPYLBENZENE	9/18/2019		Y	N	U		U	46	5.1	ug/kg
DUP	L1941584-17	ACETONE	9/18/2019		Y	N	U		U	460	220	ug/kg
DUP	L1941584-17	P/M-XYLENE	9/18/2019		Y	N	U		U	93	26	ug/kg
DUP	L1941584-17	2,2-DICHLOROPROPANE	9/18/2019		Y	N	U		U	93	9.4	ug/kg
DUP	L1941584-17	ETHYL ETHER	9/18/2019		Y	N	U		U	93	16	ug/kg
DUP	L1941584-17	CHLOROFORM	9/18/2019		Y	N	U		U	70	6.5	ug/kg
DUP	L1941584-17	BROMOFORM	9/18/2019		Y	N	U		U	190	11	ug/kg
DUP	L1941584-17	1,2-DICHLOROBENZENE	9/18/2019		Y	N	U		U	93	6.7	ug/kg
DUP	L1941584-17	4-METHYL-2-PENTANONE	9/18/2019		Y	N	U		U	460	60	ug/kg
DUP	L1941584-17	1,2-DICHLOROETHANE	9/18/2019		Y	N	U		U	46	12	ug/kg
DUP	L1941584-17	TRANS-1,4-DICHLORO-2-BUTENE	9/18/2019		Y	N	U		U	230	66	ug/kg
DUP	L1941584-17	CYCLOTRISILOXANE, HEXAMETHYL-	9/18/2019	120	Y	Y	NJ		J			

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP	L1941584-17	1,1,1-TRICHLOROETHANE	9/18/2019		Y	N	U		U	23	7.8	ug/kg
DUP	L1941584-17	1,2,4,5-TETRAMETHYLBENZENE	9/18/2019		Y	N	U		U	93	8.9	ug/kg
DUP	L1941584-17	CARBON DISULFIDE	9/18/2019		Y	N	U		U	460	210	ug/kg
DUP	L1941584-17	1,2-DIBROMO-3-CHLOROPROPANE	9/18/2019		Y	N	U		U	140	46	ug/kg
DUP	L1941584-17	1,3-DICHLOROBENZENE	9/18/2019		Y	N	U		U	93	6.9	ug/kg
DUP	L1941584-17	1,2,3-TRICHLOROBENZENE	9/18/2019		Y	N	U		U	93	15	ug/kg
DUP	L1941584-17	1,1-DICHLOROETHENE	9/18/2019		Y	N	U		U	46	11	ug/kg
DUP	L1941584-17	1,2-DICHLOROPROPANE	9/18/2019		Y	N	U		U	46	5.8	ug/kg
DUP	L1941584-17	BROMODICHLOROMETHANE	9/18/2019		Y	N	U		U	23	5.1	ug/kg
DUP	L1941584-17	1,2,4-TRIMETHYLBENZENE	9/18/2019		Y	N	U		U	93	16	ug/kg
DUP	L1941584-17	1,1-DICHLOROPROPENE	9/18/2019		Y	N	U		U	23	7.4	ug/kg
DUP	L1941584-17	1,2,3-TRICHLOROPROPANE	9/18/2019		Y	N	U		U	93	5.9	ug/kg
DUP	L1941584-17	TOLUENE	9/18/2019		Y	N	U		U	46	25	ug/kg
DUP	L1941584-17	1,3-DICHLOROPROPENE, TOTAL	9/18/2019		Y	N	U		U	23	7.4	ug/kg
DUP	L1941584-17	1,1,2-TRICHLOROETHANE	9/18/2019		Y	N	U		U	46	12	ug/kg
DUP	L1941584-17	1,2,4-TRICHLOROBENZENE	9/18/2019		Y	N	U		U	93	13	ug/kg
DUP	L1941584-17	CARBON TETRACHLORIDE	9/18/2019		Y	N	U		U	46	11	ug/kg
DUP	L1941584-17	TRANS-1,3-DICHLOROPROPENE	9/18/2019		Y	N	U		U	46	13	ug/kg
DUP	L1941584-17	1,3-DICHLOROPROPANE	9/18/2019		Y	N	U		U	93	7.8	ug/kg
DUP	L1941584-17	1,3,5-TRIMETHYLBENZENE	9/18/2019		Y	N	U		U	93	9.0	ug/kg
DUP	L1941584-17	1,1,2,2-TETRACHLOROETHANE	9/18/2019		Y	N	U		U	23	7.7	ug/kg
DUP	L1941584-17	BROMOCHLOROMETHANE	9/18/2019		Y	N	U		U	93	9.5	ug/kg
DUP	L1941584-17	CIS-1,3-DICHLOROPROPENE	9/18/2019		Y	N	U		U	23	7.4	ug/kg
DUP	L1941584-17	TRANS-1,2-DICHLOROETHENE	9/18/2019		Y	N	U		U	70	6.4	ug/kg
DUP	L1941584-17	TOTAL TIC COMPOUNDS	9/18/2019	120	Y	Y	J		J			

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP	L1941584-17	TRICHLOROFLUOROMETHANE	9/18/2019		Y	N	U		U	190	32	ug/kg
DUP	L1941584-17	N-BUTYLBENZENE	9/18/2019		Y	N	U		U	46	7.8	ug/kg
DUP	L1941584-17	1,2-DIBROMOETHANE	9/18/2019		Y	N	U		U	46	13	ug/kg
DUP	L1941584-17	VINYL ACETATE	9/18/2019		Y	N	U		U	460	100	ug/kg
DUP	L1941584-17	1,1,1,2-TETRACHLOROETHANE	9/18/2019		Y	N	U		U	23	6.1	ug/kg
DUP	L1941584-17	1,4-DICHLOROBENZENE	9/18/2019		Y	N	U		U	93	8.0	ug/kg
WC-A-3 (0-5)	L1941584-01	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	1.1	0.30	ug/kg
WC-A-3 (0-5)	L1941584-01	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	1.1	0.19	ug/kg
WC-A-3 (0-5)	L1941584-01	VINYL CHLORIDE	9/16/2019		Y	N	U		U	1.1	0.36	ug/kg
WC-A-3 (0-5)	L1941584-01	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.18	ug/kg
WC-A-3 (0-5)	L1941584-01	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	11	0.98	ug/kg
WC-A-3 (0-5)	L1941584-01	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.15	ug/kg
WC-A-3 (0-5)	L1941584-01	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.53	0.17	ug/kg
WC-A-3 (0-5)	L1941584-01	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.53	0.21	ug/kg
WC-A-3 (0-5)	L1941584-01	TRICHLOROETHENE	9/16/2019		Y	N	U		U	0.53	0.15	ug/kg
WC-A-3 (0-5)	L1941584-01	TOLUENE	9/16/2019		Y	N	U		U	1.1	0.58	ug/kg
WC-A-3 (0-5)	L1941584-01	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.1	0.27	ug/kg
WC-A-3 (0-5)	L1941584-01	ETHYL ETHER	9/16/2019		Y	N	U		U	2.1	0.36	ug/kg
WC-A-3 (0-5)	L1941584-01	STYRENE	9/16/2019		Y	N	U		U	1.1	0.21	ug/kg
WC-A-3 (0-5)	L1941584-01	NAPHTHALENE	9/16/2019		Y	N	U		U	4.3	0.69	ug/kg
WC-A-3 (0-5)	L1941584-01	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	5.3	2.4	ug/kg
WC-A-3 (0-5)	L1941584-01	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.12	ug/kg
WC-A-3 (0-5)	L1941584-01	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	4.3	0.18	ug/kg
WC-A-3 (0-5)	L1941584-01	ETHYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.15	ug/kg
WC-A-3 (0-5)	L1941584-01	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	4.3	0.74	ug/kg

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-3 (0-5)	L1941584-01	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.1	0.20	ug/kg
WC-A-3 (0-5)	L1941584-01	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.16	ug/kg
WC-A-3 (0-5)	L1941584-01	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.19	ug/kg
WC-A-3 (0-5)	L1941584-01	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	2.1	0.41	ug/kg
WC-A-3 (0-5)	L1941584-01	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	1.1	0.12	ug/kg
WC-A-3 (0-5)	L1941584-01	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.38	Y	Y	J		J	1.6	0.15	ug/kg
WC-A-3 (0-5)	L1941584-01	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.53	0.14	ug/kg
WC-A-3 (0-5)	L1941584-01	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.53	0.18	ug/kg
WC-A-3 (0-5)	L1941584-01	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.53	0.18	ug/kg
WC-A-3 (0-5)	L1941584-01	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.53	0.17	ug/kg
WC-A-3 (0-5)	L1941584-01	O-XYLENE	9/16/2019		Y	N	U		U	1.1	0.31	ug/kg
WC-A-3 (0-5)	L1941584-01	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.1	0.13	ug/kg
WC-A-3 (0-5)	L1941584-01	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.18	ug/kg
WC-A-3 (0-5)	L1941584-01	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.1	0.22	ug/kg
WC-A-3 (0-5)	L1941584-01	1,4-DIOXANE	9/16/2019		Y	N	U		U	85	37	ug/kg
WC-A-3 (0-5)	L1941584-01	VINYL ACETATE	9/16/2019		Y	N	U		U	11	2.3	ug/kg
WC-A-3 (0-5)	L1941584-01	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.18	ug/kg
WC-A-3 (0-5)	L1941584-01	DIBROMOMETHANE	9/16/2019		Y	N	U		U	2.1	0.25	ug/kg
WC-A-3 (0-5)	L1941584-01	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.1	0.18	ug/kg
WC-A-3 (0-5)	L1941584-01	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.16	ug/kg
WC-A-3 (0-5)	L1941584-01	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.20	ug/kg
WC-A-3 (0-5)	L1941584-01	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.1	0.12	ug/kg
WC-A-3 (0-5)	L1941584-01	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	1.1	0.29	ug/kg
WC-A-3 (0-5)	L1941584-01	CHLOROFORM	9/16/2019		Y	N	J	U	U	1.6	0.15	ug/kg
WC-A-3 (0-5)	L1941584-01	METHYL TERT BUTYL ETHER	9/16/2019	1.0	Y	Y	J		J	2.1	0.21	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-3 (0-5)	L1941584-01	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.53	0.17	ug/kg
WC-A-3 (0-5)	L1941584-01	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	1.1	0.25	ug/kg
WC-A-3 (0-5)	L1941584-01	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.1	0.15	ug/kg
WC-A-3 (0-5)	L1941584-01	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	1.1	0.28	ug/kg
WC-A-3 (0-5)	L1941584-01	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.12	ug/kg
WC-A-3 (0-5)	L1941584-01	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.38	Y	Y	J		J	1.1	0.15	ug/kg
WC-A-3 (0-5)	L1941584-01	BROMOBENZENE	9/16/2019		Y	N	U		U	2.1	0.15	ug/kg
WC-A-3 (0-5)	L1941584-01	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.34	ug/kg
WC-A-3 (0-5)	L1941584-01	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.1	0.15	ug/kg
WC-A-3 (0-5)	L1941584-01	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	1.1	0.31	ug/kg
WC-A-3 (0-5)	L1941584-01	BENZENE	9/16/2019		Y	N	U		U	0.53	0.18	ug/kg
WC-A-3 (0-5)	L1941584-01	2-BUTANONE	9/16/2019		Y	N	U		U	11	2.4	ug/kg
WC-A-3 (0-5)	L1941584-01	2-HEXANONE	9/16/2019		Y	N	U		U	11	1.2	ug/kg
WC-A-3 (0-5)	L1941584-01	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	5.3	1.5	ug/kg
WC-A-3 (0-5)	L1941584-01	ACRYLONITRILE	9/16/2019		Y	N	U		U	4.3	1.2	ug/kg
WC-A-3 (0-5)	L1941584-01	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	11	1.4	ug/kg
WC-A-3 (0-5)	L1941584-01	P/M-XYLENE	9/16/2019		Y	N	U		U	2.1	0.60	ug/kg
WC-A-3 (0-5)	L1941584-01	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	3.2	1.1	ug/kg
WC-A-3 (0-5)	L1941584-01	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	2.1	0.14	ug/kg
WC-A-3 (0-5)	L1941584-01	BROMOFORM	9/16/2019		Y	N	U		U	4.3	0.26	ug/kg
WC-A-3 (0-5)	L1941584-01	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.20	ug/kg
WC-A-3 (0-5)	L1941584-01	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.53	0.12	ug/kg
WC-A-3 (0-5)	L1941584-01	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.29	ug/kg
WC-A-3 (0-5)	L1941584-01	CARBON DISULFIDE	9/16/2019		Y	N	U		U	11	4.8	ug/kg
WC-A-3 (0-5)	L1941584-01	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	2.1	0.22	ug/kg

SDG: L1941584

Analytical Method	SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-3 (0-5)	L1941584-01	BROMOMETHANE	9/16/2019		Y	N	U		U	2.1	0.62	ug/kg
WC-A-3 (0-5)	L1941584-01	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	1.1	0.24	ug/kg
WC-A-3 (0-5)	L1941584-01	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.53	0.14	ug/kg
WC-A-3 (0-5)	L1941584-01	CHLOROETHANE	9/16/2019		Y	N	U		U	2.1	0.48	ug/kg
WC-A-3 (0-5)	L1941584-01	CHLOROMETHANE	9/16/2019		Y	N	U		U	4.3	0.99	ug/kg
WC-A-3 (0-5)	L1941584-01	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.36	ug/kg
WC-A-3 (0-5)	L1941584-01	ACETONE	9/16/2019	240	Y	Y				11	5.1	ug/kg
WC-A-4 (0-6)	L1941584-02	ETHYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.15	ug/kg
WC-A-4 (0-6)	L1941584-02	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	4.3	0.18	ug/kg
WC-A-4 (0-6)	L1941584-02	ETHYL ETHER	9/16/2019		Y	N	U		U	2.2	0.37	ug/kg
WC-A-4 (0-6)	L1941584-02	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.12	ug/kg
WC-A-4 (0-6)	L1941584-02	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	11	0.99	ug/kg
WC-A-4 (0-6)	L1941584-02	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	5.4	2.5	ug/kg
WC-A-4 (0-6)	L1941584-02	NAPHTHALENE	9/16/2019		Y	N	U		U	4.3	0.71	ug/kg
WC-A-4 (0-6)	L1941584-02	BROMOBENZENE	9/16/2019		Y	N	U		U	2.2	0.16	ug/kg
WC-A-4 (0-6)	L1941584-02	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.54	0.12	ug/kg
WC-A-4 (0-6)	L1941584-02	BROMOFORM	9/16/2019		Y	N	U		U	4.3	0.27	ug/kg
WC-A-4 (0-6)	L1941584-02	BENZENE	9/16/2019		Y	N	U		U	0.54	0.18	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.2	0.30	ug/kg
WC-A-4 (0-6)	L1941584-02	BROMOMETHANE	9/16/2019		Y	N	U		U	2.2	0.63	ug/kg
WC-A-4 (0-6)	L1941584-02	DIBROMOMETHANE	9/16/2019		Y	N	U		U	2.2	0.26	ug/kg
WC-A-4 (0-6)	L1941584-02	UNKNOWN ALKANE	9/16/2019	2.29	Y	Y	J		J			
WC-A-4 (0-6)	L1941584-02	CARBON DISULFIDE	9/16/2019		Y	N	U		U	11	4.9	ug/kg
WC-A-4 (0-6)	L1941584-02	UNKNOWN	9/16/2019	2.42	Y	Y	J		J			
WC-A-4 (0-6)	L1941584-02	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	1.1	0.25	ug/kg

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-4 (0-6)	L1941584-02	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.54	0.14	ug/kg
WC-A-4 (0-6)	L1941584-02	CHLOROETHANE	9/16/2019		Y	N	U		U	2.2	0.49	ug/kg
WC-A-4 (0-6)	L1941584-02	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	2.2	0.22	ug/kg
WC-A-4 (0-6)	L1941584-02	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.1	0.15	ug/kg
WC-A-4 (0-6)	L1941584-02	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.18	ug/kg
WC-A-4 (0-6)	L1941584-02	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	2.2	0.19	ug/kg
WC-A-4 (0-6)	L1941584-02	CHLOROMETHANE	9/16/2019		Y	N	U		U	4.3	1.0	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	2.2	0.21	ug/kg
WC-A-4 (0-6)	L1941584-02	ACETONE	9/16/2019	350	Y	Y	E	J	J	11	5.2	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.2	0.36	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	3.3	1.1	ug/kg
WC-A-4 (0-6)	L1941584-02	P/M-XYLENE	9/16/2019		Y	N	U		U	2.2	0.61	ug/kg
WC-A-4 (0-6)	L1941584-02	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.16	ug/kg
WC-A-4 (0-6)	L1941584-02	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	2.2	0.13	ug/kg
WC-A-4 (0-6)	L1941584-02	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	1.1	0.30	ug/kg
WC-A-4 (0-6)	L1941584-02	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	5.4	1.5	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	1.1	0.30	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.2	0.16	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.1	0.28	ug/kg
WC-A-4 (0-6)	L1941584-02	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	1.1	0.19	ug/kg
WC-A-4 (0-6)	L1941584-02	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.2	0.21	ug/kg
WC-A-4 (0-6)	L1941584-02	TOLUENE	9/16/2019		Y	N	U		U	1.1	0.59	ug/kg
WC-A-4 (0-6)	L1941584-02	TRICHLOROETHENE	9/16/2019		Y	N	U		U	0.54	0.15	ug/kg
WC-A-4 (0-6)	L1941584-02	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	4.3	0.76	ug/kg
WC-A-4 (0-6)	L1941584-02	VINYL ACETATE	9/16/2019		Y	N	U		U	11	2.3	ug/kg

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-4 (0-6)	L1941584-02	VINYL CHLORIDE	9/16/2019		Y	N	U		U	1.1	0.36	ug/kg
WC-A-4 (0-6)	L1941584-02	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	1.1	0.12	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.1	0.14	ug/kg
WC-A-4 (0-6)	L1941584-02	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	2.2	0.42	ug/kg
WC-A-4 (0-6)	L1941584-02	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.54	0.17	ug/kg
WC-A-4 (0-6)	L1941584-02	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.18	ug/kg
WC-A-4 (0-6)	L1941584-02	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.2	0.21	ug/kg
WC-A-4 (0-6)	L1941584-02	O-XYLENE	9/16/2019		Y	N	U		U	1.1	0.32	ug/kg
WC-A-4 (0-6)	L1941584-02	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.2	0.12	ug/kg
WC-A-4 (0-6)	L1941584-02	STYRENE	9/16/2019		Y	N	U		U	1.1	0.21	ug/kg
WC-A-4 (0-6)	L1941584-02	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	1.1	0.32	ug/kg
WC-A-4 (0-6)	L1941584-02	1,4-DIOXANE	9/16/2019		Y	N	U		U	87	38	ug/kg
WC-A-4 (0-6)	L1941584-02	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	1.1	0.26	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.44	Y	Y	J		J	1.1	0.15	ug/kg
WC-A-4 (0-6)	L1941584-02	2-BUTANONE	9/16/2019	5.0	Y	Y	J		J	11	2.4	ug/kg
WC-A-4 (0-6)	L1941584-02	CHLOROFORM	9/16/2019		Y	N	J	U	U	1.6	0.15	ug/kg
WC-A-4 (0-6)	L1941584-02	METHYL TERT BUTYL ETHER	9/16/2019	1.1	Y	Y	J		J	2.2	0.22	ug/kg
WC-A-4 (0-6)	L1941584-02	TETRACHLOROETHENE	9/16/2019	0.22	Y	Y	J		J	0.54	0.21	ug/kg
WC-A-4 (0-6)	L1941584-02	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.44	Y	Y	J		J	1.6	0.15	ug/kg
WC-A-4 (0-6)	L1941584-02	ACRYLONITRILE	9/16/2019		Y	N	U		U	4.3	1.2	ug/kg
WC-A-4 (0-6)	L1941584-02	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.54	0.17	ug/kg
WC-A-4 (0-6)	L1941584-02	2-HEXANONE	9/16/2019		Y	N	U		U	11	1.3	ug/kg
WC-A-4 (0-6)	L1941584-02	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.2	0.22	ug/kg
WC-A-4 (0-6)	L1941584-02	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.2	0.18	ug/kg
WC-A-4 (0-6)	L1941584-02	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.54	0.17	ug/kg

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-4 (0-6)	L1941584-02	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.2	0.18	ug/kg
WC-A-4 (0-6)	L1941584-02	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.2	0.16	ug/kg
WC-A-4 (0-6)	L1941584-02	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.1	0.16	ug/kg
WC-A-4 (0-6)	L1941584-02	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	1.1	0.29	ug/kg
WC-A-4 (0-6)	L1941584-02	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.54	0.18	ug/kg
WC-A-4 (0-6)	L1941584-02	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.54	0.18	ug/kg
WC-A-4 (0-6)	L1941584-02	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.54	0.14	ug/kg
WC-A-4 (0-6)	L1941584-02	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	11	1.4	ug/kg
WC-A-4 (0-6)	L1941584-02	TOTAL TIC COMPOUNDS	9/16/2019	4.71	Y	Y	J		J			
WC-A-4 (0-6)	L1941584-02	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.2	0.35	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	2.2	0.14	ug/kg
WC-A-4 (0-6)	L1941584-02	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	140	10	ug/kg
WC-A-4 (0-6)	L1941584-02	1,4-DIETHYLBENZENE	9/17/2019		Y	N	U		U	140	13	ug/kg
WC-A-4 (0-6)	L1941584-02	P/M-XYLENE	9/17/2019		Y	N	U		U	140	40	ug/kg
WC-A-4 (0-6)	L1941584-02	P-CHLOROTOLUENE	9/17/2019		Y	N	U		U	140	7.7	ug/kg
WC-A-4 (0-6)	L1941584-02	SEC-BUTYLBENZENE	9/17/2019		Y	N	U		U	71	10	ug/kg
WC-A-4 (0-6)	L1941584-02	O-XYLENE	9/17/2019		Y	N	U		U	71	21	ug/kg
WC-A-4 (0-6)	L1941584-02	BROMODICHLOROMETHANE	9/17/2019		Y	N	U		U	36	7.8	ug/kg
WC-A-4 (0-6)	L1941584-02	TRANS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	71	19	ug/kg
WC-A-4 (0-6)	L1941584-02	N-PROPYLBENZENE	9/17/2019		Y	N	U		U	71	12	ug/kg
WC-A-4 (0-6)	L1941584-02	BENZENE	9/17/2019		Y	N	U		U	36	12	ug/kg
WC-A-4 (0-6)	L1941584-02	N-BUTYLBENZENE	9/17/2019		Y	N	U		U	71	12	ug/kg
WC-A-4 (0-6)	L1941584-02	BROMOFORM	9/17/2019		Y	N	U		U	280	18	ug/kg
WC-A-4 (0-6)	L1941584-02	CIS-1,3-DICHLOROPROPENE	9/17/2019		Y	N	U		U	36	11	ug/kg
WC-A-4 (0-6)	L1941584-02	CIS-1,2-DICHLOROETHENE	9/17/2019		Y	N	U		U	71	12	ug/kg

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-4 (0-6)	L1941584-02	XYLENE (TOTAL)	9/17/2019		Y	N	U		U	1.1	0.32	ug/kg
WC-A-4 (0-6)	L1941584-02	TERT-BUTYLBENZENE	9/17/2019		Y	N	U		U	140	8.4	ug/kg
WC-A-4 (0-6)	L1941584-02	TRANS-1,2-DICHLOROETHENE	9/17/2019		Y	N	U		U	110	9.8	ug/kg
WC-A-4 (0-6)	L1941584-02	O-CHLOROTOLUENE	9/17/2019		Y	N	U		U	140	14	ug/kg
WC-A-4 (0-6)	L1941584-02	2-BUTANONE	9/17/2019		Y	N	U		U	710	160	ug/kg
WC-A-4 (0-6)	L1941584-02	1,4-DIOXANE	9/17/2019		Y	N	U		U	5700	2500	ug/kg
WC-A-4 (0-6)	L1941584-02	CARBON DISULFIDE	9/17/2019		Y	N	U		U	710	320	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	140	19	ug/kg
WC-A-4 (0-6)	L1941584-02	1,3-DICHLOROPROPANE	9/17/2019		Y	N	U		U	140	12	ug/kg
WC-A-4 (0-6)	L1941584-02	1,3-DICHLOROPROPENE, TOTAL	9/17/2019		Y	N	U		U	0.54	0.17	ug/kg
WC-A-4 (0-6)	L1941584-02	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	140	12	ug/kg
WC-A-4 (0-6)	L1941584-02	DIBROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	71	10	ug/kg
WC-A-4 (0-6)	L1941584-02	4-ETHYLTOLUENE	9/17/2019		Y	N	U		U	140	27	ug/kg
WC-A-4 (0-6)	L1941584-02	2,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	140	14	ug/kg
WC-A-4 (0-6)	L1941584-02	P-ISOPROPYLTOLUENE	9/17/2019		Y	N	U		U	71	7.8	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2,3-TRICHLOROPROPANE	9/17/2019		Y	N	U		U	140	9.0	ug/kg
WC-A-4 (0-6)	L1941584-02	2-HEXANONE	9/17/2019		Y	N	U		U	710	84	ug/kg
WC-A-4 (0-6)	L1941584-02	4-METHYL-2-PENTANONE	9/17/2019		Y	N	U		U	710	91	ug/kg
WC-A-4 (0-6)	L1941584-02	BROMOBENZENE	9/17/2019		Y	N	U		U	140	10	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2,4-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	140	24	ug/kg
WC-A-4 (0-6)	L1941584-02	ACETONE	9/17/2019		Y	N	U		U	710	340	ug/kg
WC-A-4 (0-6)	L1941584-02	BROMOCHLOROMETHANE	9/17/2019		Y	N	U		U	140	15	ug/kg
WC-A-4 (0-6)	L1941584-02	ACRYLONITRILE	9/17/2019		Y	N	U		U	280	82	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2-DICHLOROETHANE	9/17/2019		Y	N	U		U	71	18	ug/kg
WC-A-4 (0-6)	L1941584-02	1,1,1,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	36	9.4	ug/kg

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-4 (0-6)	L1941584-02	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	280	12	ug/kg
WC-A-4 (0-6)	L1941584-02	1,1,1-TRICHLOROETHANE	9/17/2019		Y	N	U		U	36	12	ug/kg
WC-A-4 (0-6)	L1941584-02	ETHYLBENZENE	9/17/2019		Y	N	U		U	71	10	ug/kg
WC-A-4 (0-6)	L1941584-02	1,3,5-TRIMETHYLBENZENE	9/17/2019		Y	N	U		U	140	14	ug/kg
WC-A-4 (0-6)	L1941584-02	ETHYL ETHER	9/17/2019		Y	N	U		U	140	24	ug/kg
WC-A-4 (0-6)	L1941584-02	1,1-DICHLOROETHANE	9/17/2019		Y	N	U		U	71	10	ug/kg
WC-A-4 (0-6)	L1941584-02	VINYL CHLORIDE	9/17/2019		Y	N	U		U	71	24	ug/kg
WC-A-4 (0-6)	L1941584-02	BROMOMETHANE	9/17/2019		Y	N	U		U	140	41	ug/kg
WC-A-4 (0-6)	L1941584-02	ISOPROPYLBENZENE	9/17/2019		Y	N	U		U	71	7.8	ug/kg
WC-A-4 (0-6)	L1941584-02	1,1-DICHLOROETHENE	9/17/2019		Y	N	U		U	71	17	ug/kg
WC-A-4 (0-6)	L1941584-02	DICHLORODIFLUOROMETHANE	9/17/2019		Y	N	U		U	710	65	ug/kg
WC-A-4 (0-6)	L1941584-02	1,1-DICHLOROPROPENE	9/17/2019		Y	N	U		U	36	11	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2-DICHLOROPROPANE	9/17/2019		Y	N	U		U	71	8.9	ug/kg
WC-A-4 (0-6)	L1941584-02	CHLOROMETHANE	9/17/2019		Y	N	U		U	280	66	ug/kg
WC-A-4 (0-6)	L1941584-02	CHLOROFORM	9/17/2019		Y	N	U		U	110	10	ug/kg
WC-A-4 (0-6)	L1941584-02	CHLOROETHANE	9/17/2019		Y	N	U		U	140	32	ug/kg
WC-A-4 (0-6)	L1941584-02	CHLOROBENZENE	9/17/2019		Y	N	U		U	36	9.0	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2,3-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	140	23	ug/kg
WC-A-4 (0-6)	L1941584-02	CARBON TETRACHLORIDE	9/17/2019		Y	N	U		U	71	16	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2-DICHLOROETHENE (TOTAL)	9/17/2019		Y	N	U		U	1.1	0.15	ug/kg
WC-A-4 (0-6)	L1941584-02	DIBROMOMETHANE	9/17/2019		Y	N	U		U	140	17	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2,4,5-TETRAMETHYLBENZENE	9/17/2019		Y	N	U		U	140	14	ug/kg
WC-A-4 (0-6)	L1941584-02	TRANS-1,4-DICHLORO-2-BUTENE	9/17/2019		Y	N	U		U	360	100	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2-DIBROMO-3-CHLOROPROPANE	9/17/2019		Y	N	U		U	210	71	ug/kg
WC-A-4 (0-6)	L1941584-02	VINYL ACETATE	9/17/2019		Y	N	U		U	710	150	ug/kg

SDG: L1941584

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-4 (0-6)	L1941584-02	TRICHLOROFLUOROMETHANE	9/17/2019		Y	N	U		U	280	50	ug/kg
WC-A-4 (0-6)	L1941584-02	1,1,2-TRICHLOROETHANE	9/17/2019		Y	N	U		U	71	19	ug/kg
WC-A-4 (0-6)	L1941584-02	TRICHLOROETHENE	9/17/2019		Y	N	U		U	36	9.8	ug/kg
WC-A-4 (0-6)	L1941584-02	TOLUENE	9/17/2019		Y	N	U		U	71	39	ug/kg
WC-A-4 (0-6)	L1941584-02	TETRACHLOROETHENE	9/17/2019		Y	N	U		U	36	14	ug/kg
WC-A-4 (0-6)	L1941584-02	STYRENE	9/17/2019		Y	N	U		U	71	14	ug/kg
WC-A-4 (0-6)	L1941584-02	METHYL TERT BUTYL ETHER	9/17/2019		Y	N	U		U	140	14	ug/kg
WC-A-4 (0-6)	L1941584-02	1,1,2,2-TETRACHLOROETHANE	9/17/2019		Y	N	U		U	36	12	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	140	10	ug/kg
WC-A-4 (0-6)	L1941584-02	NAPHTHALENE	9/17/2019		Y	N	U		U	280	46	ug/kg
WC-A-4 (0-6)	L1941584-02	METHYLENE CHLORIDE	9/17/2019		Y	N	U		U	360	160	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2-DIBROMOETHANE	9/17/2019		Y	N	U		U	71	20	ug/kg
WC-B-3 (0-5)	L1941584-06	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	1.1	0.31	ug/kg
WC-B-3 (0-5)	L1941584-06	TRICHLOROETHENE	9/16/2019		Y	N	U		U	0.53	0.15	ug/kg
WC-B-3 (0-5)	L1941584-06	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.18	ug/kg
WC-B-3 (0-5)	L1941584-06	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.18	ug/kg
WC-B-3 (0-5)	L1941584-06	CHLOROFORM	9/16/2019		Y	N	J	U	U	1.6	0.15	ug/kg
WC-B-3 (0-5)	L1941584-06	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.53	0.17	ug/kg
WC-B-3 (0-5)	L1941584-06	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	1.1	0.19	ug/kg
WC-B-3 (0-5)	L1941584-06	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	4.3	0.74	ug/kg
WC-B-3 (0-5)	L1941584-06	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.1	0.15	ug/kg
WC-B-3 (0-5)	L1941584-06	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.15	ug/kg
WC-B-3 (0-5)	L1941584-06	VINYL ACETATE	9/16/2019		Y	N	U		U	11	2.3	ug/kg
WC-B-3 (0-5)	L1941584-06	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	1.1	0.30	ug/kg
WC-B-3 (0-5)	L1941584-06	VINYL CHLORIDE	9/16/2019		Y	N	U		U	1.1	0.36	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B-3 (0-5)	L1941584-06	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	1.1	0.25	ug/kg
WC-B-3 (0-5)	L1941584-06	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	1.1	0.28	ug/kg
WC-B-3 (0-5)	L1941584-06	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	1.1	0.29	ug/kg
WC-B-3 (0-5)	L1941584-06	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.16	ug/kg
WC-B-3 (0-5)	L1941584-06	P/M-XYLENE	9/16/2019		Y	N	U		U	2.1	0.60	ug/kg
WC-B-3 (0-5)	L1941584-06	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.29	ug/kg
WC-B-3 (0-5)	L1941584-06	TOLUENE	9/16/2019		Y	N	U		U	1.1	0.58	ug/kg
WC-B-3 (0-5)	L1941584-06	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	1.1	0.12	ug/kg
WC-B-3 (0-5)	L1941584-06	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.19	ug/kg
WC-B-3 (0-5)	L1941584-06	METHYL TERT BUTYL ETHER	9/16/2019	1.2	Y	Y	J		J	2.1	0.21	ug/kg
WC-B-3 (0-5)	L1941584-06	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.1	0.20	ug/kg
WC-B-3 (0-5)	L1941584-06	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.36	ug/kg
WC-B-3 (0-5)	L1941584-06	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	2.1	0.41	ug/kg
WC-B-3 (0-5)	L1941584-06	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.46	Y	Y	J		J	1.6	0.15	ug/kg
WC-B-3 (0-5)	L1941584-06	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.1	0.12	ug/kg
WC-B-3 (0-5)	L1941584-06	O-XYLENE	9/16/2019		Y	N	U		U	1.1	0.31	ug/kg
WC-B-3 (0-5)	L1941584-06	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	5.3	1.5	ug/kg
WC-B-3 (0-5)	L1941584-06	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.12	ug/kg
WC-B-3 (0-5)	L1941584-06	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.53	0.18	ug/kg
WC-B-3 (0-5)	L1941584-06	CARBON DISULFIDE	9/16/2019		Y	N	U		U	11	4.8	ug/kg
WC-B-3 (0-5)	L1941584-06	BROMOMETHANE	9/16/2019		Y	N	U		U	2.1	0.62	ug/kg
WC-B-3 (0-5)	L1941584-06	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.53	0.12	ug/kg
WC-B-3 (0-5)	L1941584-06	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.20	ug/kg
WC-B-3 (0-5)	L1941584-06	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	2.1	0.22	ug/kg
WC-B-3 (0-5)	L1941584-06	BROMOBENZENE	9/16/2019		Y	N	U		U	2.1	0.15	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B-3 (0-5)	L1941584-06	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.53	0.21	ug/kg
WC-B-3 (0-5)	L1941584-06	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	1.1	0.24	ug/kg
WC-B-3 (0-5)	L1941584-06	BENZENE	9/16/2019		Y	N	U		U	0.53	0.18	ug/kg
WC-B-3 (0-5)	L1941584-06	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.1	0.27	ug/kg
WC-B-3 (0-5)	L1941584-06	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	11	1.4	ug/kg
WC-B-3 (0-5)	L1941584-06	BROMOFORM	9/16/2019		Y	N	U		U	4.3	0.26	ug/kg
WC-B-3 (0-5)	L1941584-06	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.53	0.18	ug/kg
WC-B-3 (0-5)	L1941584-06	UNKNOWN ALKANE	9/16/2019	2.58	Y	Y	J		J			
WC-B-3 (0-5)	L1941584-06	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.53	0.14	ug/kg
WC-B-3 (0-5)	L1941584-06	TOTAL TIC COMPOUNDS	9/16/2019	2.58	Y	Y	J		J			
WC-B-3 (0-5)	L1941584-06	2-HEXANONE	9/16/2019		Y	N	U		U	11	1.2	ug/kg
WC-B-3 (0-5)	L1941584-06	2-BUTANONE	9/16/2019		Y	N	U		U	11	2.4	ug/kg
WC-B-3 (0-5)	L1941584-06	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.1	0.18	ug/kg
WC-B-3 (0-5)	L1941584-06	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.16	ug/kg
WC-B-3 (0-5)	L1941584-06	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.1	0.13	ug/kg
WC-B-3 (0-5)	L1941584-06	ACRYLONITRILE	9/16/2019		Y	N	U		U	4.3	1.2	ug/kg
WC-B-3 (0-5)	L1941584-06	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	2.1	0.14	ug/kg
WC-B-3 (0-5)	L1941584-06	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.53	0.14	ug/kg
WC-B-3 (0-5)	L1941584-06	CHLOROMETHANE	9/16/2019		Y	N	U		U	4.3	0.99	ug/kg
WC-B-3 (0-5)	L1941584-06	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.1	0.15	ug/kg
WC-B-3 (0-5)	L1941584-06	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.1	0.22	ug/kg
WC-B-3 (0-5)	L1941584-06	DIBROMOMETHANE	9/16/2019		Y	N	U		U	2.1	0.25	ug/kg
WC-B-3 (0-5)	L1941584-06	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	11	0.98	ug/kg
WC-B-3 (0-5)	L1941584-06	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.20	ug/kg
WC-B-3 (0-5)	L1941584-06	ETHYL ETHER	9/16/2019		Y	N	U		U	2.1	0.36	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B-3 (0-5)	L1941584-06	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.53	0.17	ug/kg
WC-B-3 (0-5)	L1941584-06	ETHYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.15	ug/kg
WC-B-3 (0-5)	L1941584-06	CHLOROETHANE	9/16/2019		Y	N	U		U	2.1	0.48	ug/kg
WC-B-3 (0-5)	L1941584-06	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.12	ug/kg
WC-B-3 (0-5)	L1941584-06	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.46	Y	Y	J		J	1.1	0.15	ug/kg
WC-B-3 (0-5)	L1941584-06	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.34	ug/kg
WC-B-3 (0-5)	L1941584-06	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	3.2	1.1	ug/kg
WC-B-3 (0-5)	L1941584-06	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	5.3	2.4	ug/kg
WC-B-3 (0-5)	L1941584-06	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.53	0.17	ug/kg
WC-B-3 (0-5)	L1941584-06	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.18	ug/kg
WC-B-3 (0-5)	L1941584-06	1,4-DIOXANE	9/16/2019		Y	N	U		U	85	37	ug/kg
WC-B-3 (0-5)	L1941584-06	NAPHTHALENE	9/16/2019		Y	N	U		U	4.3	0.69	ug/kg
WC-B-3 (0-5)	L1941584-06	STYRENE	9/16/2019		Y	N	U		U	1.1	0.21	ug/kg
WC-B-3 (0-5)	L1941584-06	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	4.3	0.18	ug/kg
WC-B-3 (0-5)	L1941584-06	ACETONE	9/16/2019	83	Y	Y				11	5.1	ug/kg
WC-B-4 (0-5)	L1941584-03	1,3-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.16	ug/kg
WC-B-4 (0-5)	L1941584-03	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2019		Y	N	U		U	3.2	1.1	ug/kg
WC-B-4 (0-5)	L1941584-03	1,2-DIBROMOETHANE	9/16/2019		Y	N	U		U	1.1	0.30	ug/kg
WC-B-4 (0-5)	L1941584-03	1,2-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.15	ug/kg
WC-B-4 (0-5)	L1941584-03	1,2-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.1	0.27	ug/kg
WC-B-4 (0-5)	L1941584-03	1,3,5-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.21	ug/kg
WC-B-4 (0-5)	L1941584-03	4-METHYL-2-PENTANONE	9/16/2019		Y	N	U		U	11	1.4	ug/kg
WC-B-4 (0-5)	L1941584-03	1,3-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.1	0.18	ug/kg
WC-B-4 (0-5)	L1941584-03	1,3-DICHLOROPROPENE, TOTAL	9/16/2019		Y	N	U		U	0.53	0.17	ug/kg
WC-B-4 (0-5)	L1941584-03	1,4-DICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.18	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B-4 (0-5)	L1941584-03	1,4-DIOXANE	9/16/2019		Y	N	U		U	86	38	ug/kg
WC-B-4 (0-5)	L1941584-03	1,1,2-TRICHLOROETHANE	9/16/2019		Y	N	U		U	1.1	0.28	ug/kg
WC-B-4 (0-5)	L1941584-03	2,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	2.1	0.22	ug/kg
WC-B-4 (0-5)	L1941584-03	2-BUTANONE	9/16/2019		Y	N	U		U	11	2.4	ug/kg
WC-B-4 (0-5)	L1941584-03	2-HEXANONE	9/16/2019		Y	N	U		U	11	1.3	ug/kg
WC-B-4 (0-5)	L1941584-03	1,2-DICHLOROPROPANE	9/16/2019		Y	N	U		U	1.1	0.13	ug/kg
WC-B-4 (0-5)	L1941584-03	1,1-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.53	0.17	ug/kg
WC-B-4 (0-5)	L1941584-03	TRANS-1,2-DICHLOROETHENE	9/16/2019	0.28	Y	Y	J		J	1.6	0.15	ug/kg
WC-B-4 (0-5)	L1941584-03	METHYL TERT BUTYL ETHER	9/16/2019	0.96	Y	Y	J		J	2.1	0.22	ug/kg
WC-B-4 (0-5)	L1941584-03	CHLOROFORM	9/16/2019		Y	N	J	U	U	1.6	0.15	ug/kg
WC-B-4 (0-5)	L1941584-03	1,2-DICHLOROETHENE (TOTAL)	9/16/2019	0.28	Y	Y	J		J	1.1	0.15	ug/kg
WC-B-4 (0-5)	L1941584-03	1,1,1,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.53	0.14	ug/kg
WC-B-4 (0-5)	L1941584-03	1,1,1-TRICHLOROETHANE	9/16/2019		Y	N	U		U	0.53	0.18	ug/kg
WC-B-4 (0-5)	L1941584-03	1,1-DICHLOROETHENE	9/16/2019		Y	N	U		U	1.1	0.25	ug/kg
WC-B-4 (0-5)	L1941584-03	1,1-DICHLOROETHANE	9/16/2019		Y	N	U		U	1.1	0.16	ug/kg
WC-B-4 (0-5)	L1941584-03	1,2,4-TRIMETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.36	ug/kg
WC-B-4 (0-5)	L1941584-03	1,2,3-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.34	ug/kg
WC-B-4 (0-5)	L1941584-03	1,2,3-TRICHLOROPROPANE	9/16/2019		Y	N	U		U	2.1	0.14	ug/kg
WC-B-4 (0-5)	L1941584-03	1,2,4,5-TETRAMETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.20	ug/kg
WC-B-4 (0-5)	L1941584-03	ACRYLONITRILE	9/16/2019		Y	N	U		U	4.3	1.2	ug/kg
WC-B-4 (0-5)	L1941584-03	TRICHLOROFLUOROMETHANE	9/16/2019		Y	N	U		U	4.3	0.74	ug/kg
WC-B-4 (0-5)	L1941584-03	1,2,4-TRICHLOROBENZENE	9/16/2019		Y	N	U		U	2.1	0.29	ug/kg
WC-B-4 (0-5)	L1941584-03	1,1,2,2-TETRACHLOROETHANE	9/16/2019		Y	N	U		U	0.53	0.18	ug/kg
WC-B-4 (0-5)	L1941584-03	O-XYLENE	9/16/2019		Y	N	U		U	1.1	0.31	ug/kg
WC-B-4 (0-5)	L1941584-03	TRICHLOROETHENE	9/16/2019		Y	N	U		U	0.53	0.15	ug/kg

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B-4 (0-5)	L1941584-03	SEC-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.16	ug/kg
WC-B-4 (0-5)	L1941584-03	VINYL ACETATE	9/16/2019		Y	N	U		U	11	2.3	ug/kg
WC-B-4 (0-5)	L1941584-03	VINYL CHLORIDE	9/16/2019		Y	N	U		U	1.1	0.36	ug/kg
WC-B-4 (0-5)	L1941584-03	XYLENE (TOTAL)	9/16/2019		Y	N	U		U	1.1	0.31	ug/kg
WC-B-4 (0-5)	L1941584-03	CIS-1,2-DICHLOROETHENE	9/16/2019		Y	N	U		U	1.1	0.19	ug/kg
WC-B-4 (0-5)	L1941584-03	CIS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	0.53	0.17	ug/kg
WC-B-4 (0-5)	L1941584-03	N-BUTYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.18	ug/kg
WC-B-4 (0-5)	L1941584-03	P/M-XYLENE	9/16/2019		Y	N	U		U	2.1	0.60	ug/kg
WC-B-4 (0-5)	L1941584-03	O-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.1	0.20	ug/kg
WC-B-4 (0-5)	L1941584-03	TRANS-1,3-DICHLOROPROPENE	9/16/2019		Y	N	U		U	1.1	0.29	ug/kg
WC-B-4 (0-5)	L1941584-03	P-CHLOROTOLUENE	9/16/2019		Y	N	U		U	2.1	0.12	ug/kg
WC-B-4 (0-5)	L1941584-03	1,4-DIETHYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.19	ug/kg
WC-B-4 (0-5)	L1941584-03	4-ETHYLTOLUENE	9/16/2019		Y	N	U		U	2.1	0.41	ug/kg
WC-B-4 (0-5)	L1941584-03	TERT-BUTYLBENZENE	9/16/2019		Y	N	U		U	2.1	0.13	ug/kg
WC-B-4 (0-5)	L1941584-03	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2019		Y	N	U		U	5.3	1.5	ug/kg
WC-B-4 (0-5)	L1941584-03	BENZENE	9/16/2019		Y	N	U		U	0.53	0.18	ug/kg
WC-B-4 (0-5)	L1941584-03	TOLUENE	9/16/2019		Y	N	U		U	1.1	0.58	ug/kg
WC-B-4 (0-5)	L1941584-03	P-ISOPROPYLTOLUENE	9/16/2019		Y	N	U		U	1.1	0.12	ug/kg
WC-B-4 (0-5)	L1941584-03	N-PROPYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.18	ug/kg
WC-B-4 (0-5)	L1941584-03	BROMOFORM	9/16/2019		Y	N	U		U	4.3	0.26	ug/kg
WC-B-4 (0-5)	L1941584-03	TETRACHLOROETHENE	9/16/2019		Y	N	U		U	0.53	0.21	ug/kg
WC-B-4 (0-5)	L1941584-03	BROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	2.1	0.22	ug/kg
WC-B-4 (0-5)	L1941584-03	BROMOBENZENE	9/16/2019		Y	N	U		U	2.1	0.16	ug/kg
WC-B-4 (0-5)	L1941584-03	BROMODICHLOROMETHANE	9/16/2019		Y	N	U		U	0.53	0.12	ug/kg
WC-B-4 (0-5)	L1941584-03	BROMOMETHANE	9/16/2019		Y	N	U		U	2.1	0.62	ug/kg

Analytical Method	SW8260C											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
WC-B-4 (0-5)	L1941584-03	CARBON DISULFIDE	9/16/2019		Y	N	U		U	11	4.9	ug/kg
WC-B-4 (0-5)	L1941584-03	CARBON TETRACHLORIDE	9/16/2019		Y	N	U		U	1.1	0.25	ug/kg
WC-B-4 (0-5)	L1941584-03	CHLOROBENZENE	9/16/2019		Y	N	U		U	0.53	0.14	ug/kg
WC-B-4 (0-5)	L1941584-03	CHLOROETHANE	9/16/2019		Y	N	U		U	2.1	0.48	ug/kg
WC-B-4 (0-5)	L1941584-03	CHLOROMETHANE	9/16/2019		Y	N	U		U	4.3	1.0	ug/kg
WC-B-4 (0-5)	L1941584-03	ISOPROPYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.12	ug/kg
WC-B-4 (0-5)	L1941584-03	STYRENE	9/16/2019		Y	N	U		U	1.1	0.21	ug/kg
WC-B-4 (0-5)	L1941584-03	DIBROMOCHLOROMETHANE	9/16/2019		Y	N	U		U	1.1	0.15	ug/kg
WC-B-4 (0-5)	L1941584-03	METHYLENE CHLORIDE	9/16/2019		Y	N	U		U	5.3	2.4	ug/kg
WC-B-4 (0-5)	L1941584-03	HEXACHLOROBUTADIENE	9/16/2019		Y	N	U		U	4.3	0.18	ug/kg
WC-B-4 (0-5)	L1941584-03	ETHYLBENZENE	9/16/2019		Y	N	U		U	1.1	0.15	ug/kg
WC-B-4 (0-5)	L1941584-03	ETHYL ETHER	9/16/2019		Y	N	U		U	2.1	0.36	ug/kg
WC-B-4 (0-5)	L1941584-03	DICHLORODIFLUOROMETHANE	9/16/2019		Y	N	U		U	11	0.98	ug/kg
WC-B-4 (0-5)	L1941584-03	DIBROMOMETHANE	9/16/2019		Y	N	U		U	2.1	0.25	ug/kg
WC-B-4 (0-5)	L1941584-03	NAPHTHALENE	9/16/2019		Y	N	U		U	4.3	0.70	ug/kg
WC-B-4 (0-5)	L1941584-03	ACETONE	9/16/2019	210	Y	Y				11	5.1	ug/kg

Analytical Method	SW8270D											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
B-13 (3-4)	L1941584-11	BIPHENYL	9/17/2019		Y	N	U		U	400	41	ug/kg
B-13 (3-4)	L1941584-11	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	24	ug/kg
B-13 (3-4)	L1941584-11	ISOPHORONE	9/17/2019		Y	N	U		U	160	23	ug/kg
B-13 (3-4)	L1941584-11	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	37	ug/kg
B-13 (3-4)	L1941584-11	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U		U	210	30	ug/kg
B-13 (3-4)	L1941584-11	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U	UJ	UJ	180	33	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (3-4)	L1941584-11	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U	UJ	UJ	180	60	ug/kg
B-13 (3-4)	L1941584-11	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	16	ug/kg
B-13 (3-4)	L1941584-11	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	16	ug/kg
B-13 (3-4)	L1941584-11	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	100	20	ug/kg
B-13 (3-4)	L1941584-11	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	26	ug/kg
B-13 (3-4)	L1941584-11	2-NITROPHENOL	9/17/2019		Y	N	U		U	380	66	ug/kg
B-13 (3-4)	L1941584-11	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	28	ug/kg
B-13 (3-4)	L1941584-11	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	20	ug/kg
B-13 (3-4)	L1941584-11	NAPHTHALENE	9/17/2019		Y	N	U		U	180	21	ug/kg
B-13 (3-4)	L1941584-11	4-NITROPHENOL	9/17/2019		Y	N	U		U	240	72	ug/kg
B-13 (3-4)	L1941584-11	2-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-13 (3-4)	L1941584-11	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U		U	500	160	ug/kg
B-13 (3-4)	L1941584-11	NITROBENZENE	9/17/2019		Y	N	U		U	160	26	ug/kg
B-13 (3-4)	L1941584-11	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	190	18	ug/kg
B-13 (3-4)	L1941584-11	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-13 (3-4)	L1941584-11	ACENAPHTHYLENE	9/17/2019	69	Y	Y	J		J	140	27	ug/kg
B-13 (3-4)	L1941584-11	ANTHRACENE	9/17/2019	59	Y	Y	J		J	100	34	ug/kg
B-13 (3-4)	L1941584-11	CARBAZOLE	9/17/2019	22	Y	Y	J		J	180	17	ug/kg
B-13 (3-4)	L1941584-11	DIBENZO(A,H)ANTHRACENE	9/17/2019	39	Y	Y	J		J	100	20	ug/kg
B-13 (3-4)	L1941584-11	FLUORENE	9/17/2019	17	Y	Y	J		J	180	17	ug/kg
B-13 (3-4)	L1941584-11	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	19	ug/kg
B-13 (3-4)	L1941584-11	4-NITROANILINE	9/17/2019		Y	N	U	UJ	UJ	180	73	ug/kg
B-13 (3-4)	L1941584-11	BENZOIC ACID	9/17/2019		Y	N	U		U	570	180	ug/kg
B-13 (3-4)	L1941584-11	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-13 (3-4)	L1941584-11	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	27	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (3-4)	L1941584-11	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	460	84	ug/kg
B-13 (3-4)	L1941584-11	3-NITROANILINE	9/17/2019		Y	N	U	UJ	UJ	180	33	ug/kg
B-13 (3-4)	L1941584-11	ACETOPHENONE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-13 (3-4)	L1941584-11	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	250	27	ug/kg
B-13 (3-4)	L1941584-11	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	47	ug/kg
B-13 (3-4)	L1941584-11	ACENAPHTHENE	9/17/2019		Y	N	U		U	140	18	ug/kg
B-13 (3-4)	L1941584-11	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	30	ug/kg
B-13 (3-4)	L1941584-11	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	21	ug/kg
B-13 (3-4)	L1941584-11	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	210	21	ug/kg
B-13 (3-4)	L1941584-11	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-13 (3-4)	L1941584-11	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	840	82	ug/kg
B-13 (3-4)	L1941584-11	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	58	ug/kg
B-13 (3-4)	L1941584-11	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-13 (3-4)	L1941584-11	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	54	ug/kg
B-13 (3-4)	L1941584-11	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	28	ug/kg
B-13 (3-4)	L1941584-11	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019	220	Y	Y		J	J	180	61	ug/kg
B-13 (3-4)	L1941584-11	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	38	ug/kg
B-13 (3-4)	L1941584-11	TOTAL TIC COMPOUNDS	9/17/2019	682	Y	Y	J		J			
B-13 (3-4)	L1941584-11	UNKNOWN	9/17/2019	375	Y	Y	J		J			
B-13 (3-4)	L1941584-11	CHRYSENE	9/17/2019	230	Y	Y				100	18	ug/kg
B-13 (3-4)	L1941584-11	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	26	ug/kg
B-13 (3-4)	L1941584-11	UNKNOWN PHENOL	9/17/2019	163	Y	Y	J		J			
B-13 (3-4)	L1941584-11	UNKNOWN	9/17/2019	144	Y	Y	J		J			
B-13 (3-4)	L1941584-11	BENZO(B)FLUORANTHENE	9/17/2019	320	Y	Y				100	30	ug/kg
B-13 (3-4)	L1941584-11	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	27	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (3-4)	L1941584-11	BENZO(K)FLUORANTHENE	9/17/2019	110	Y	Y				100	28	ug/kg
B-13 (3-4)	L1941584-11	BENZO(A)ANTHRACENE	9/17/2019	240	Y	Y				100	20	ug/kg
B-13 (3-4)	L1941584-11	PHENOL	9/17/2019		Y	N	U		U	180	26	ug/kg
B-13 (3-4)	L1941584-11	BENZO(GHI)PERYLENE	9/17/2019	150	Y	Y				140	21	ug/kg
B-13 (3-4)	L1941584-11	BENZO(A)PYRENE	9/17/2019	240	Y	Y				140	43	ug/kg
B-13 (3-4)	L1941584-11	BUTYL BENZYL PHTHALATE	9/17/2019	1300	Y	Y		J	J	180	44	ug/kg
B-13 (3-4)	L1941584-11	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-13 (3-4)	L1941584-11	INDENO(1,2,3-CD)PYRENE	9/17/2019	160	Y	Y				140	24	ug/kg
B-13 (3-4)	L1941584-11	FLUORANTHENE	9/17/2019	460	Y	Y				100	20	ug/kg
B-13 (3-4)	L1941584-11	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	100	33	ug/kg
B-13 (3-4)	L1941584-11	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	34	ug/kg
B-13 (3-4)	L1941584-11	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-13 (3-4)	L1941584-11	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	30	ug/kg
B-13 (3-4)	L1941584-11	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-13 (3-4)	L1941584-11	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	20	ug/kg
B-13 (3-4)	L1941584-11	PYRENE	9/17/2019	420	Y	Y				100	17	ug/kg
B-13 (3-4)	L1941584-11	PHENANTHRENE	9/17/2019	210	Y	Y				100	21	ug/kg
B-13 (6-7)	L1941584-12	FLUORENE	9/17/2019	100	Y	Y	J		J	180	17	ug/kg
B-13 (6-7)	L1941584-12	DIBENZOFURAN	9/17/2019	42	Y	Y	J		J	180	17	ug/kg
B-13 (6-7)	L1941584-12	ACENAPHTHENE	9/17/2019	58	Y	Y	J		J	140	18	ug/kg
B-13 (6-7)	L1941584-12	CARBAZOLE	9/17/2019	76	Y	Y	J		J	180	17	ug/kg
B-13 (6-7)	L1941584-12	NAPHTHALENE	9/17/2019	31	Y	Y	J		J	180	22	ug/kg
B-13 (6-7)	L1941584-12	PHENOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-13 (6-7)	L1941584-12	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	39	ug/kg
B-13 (6-7)	L1941584-12	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U	UJ	UJ	180	60	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (6-7)	L1941584-12	NITROBENZENE	9/17/2019		Y	N	U		U	160	26	ug/kg
B-13 (6-7)	L1941584-12	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	20	ug/kg
B-13 (6-7)	L1941584-12	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	37	ug/kg
B-13 (6-7)	L1941584-12	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	29	ug/kg
B-13 (6-7)	L1941584-12	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-13 (6-7)	L1941584-12	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	26	ug/kg
B-13 (6-7)	L1941584-12	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	27	ug/kg
B-13 (6-7)	L1941584-12	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U		U	510	160	ug/kg
B-13 (6-7)	L1941584-12	CHRYSENE	9/17/2019	1000	Y	Y				110	18	ug/kg
B-13 (6-7)	L1941584-12	ISOPHORONE	9/17/2019		Y	N	U		U	160	23	ug/kg
B-13 (6-7)	L1941584-12	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	16	ug/kg
B-13 (6-7)	L1941584-12	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	26	ug/kg
B-13 (6-7)	L1941584-12	PYRENE	9/17/2019	2500	Y	Y				110	18	ug/kg
B-13 (6-7)	L1941584-12	PHENANTHRENE	9/17/2019	1500	Y	Y				110	22	ug/kg
B-13 (6-7)	L1941584-12	INDENO(1,2,3-CD)PYRENE	9/17/2019	610	Y	Y				140	25	ug/kg
B-13 (6-7)	L1941584-12	DIBENZO(A,H)ANTHRACENE	9/17/2019	140	Y	Y				110	20	ug/kg
B-13 (6-7)	L1941584-12	BENZO(K)FLUORANTHENE	9/17/2019	430	Y	Y				110	28	ug/kg
B-13 (6-7)	L1941584-12	BENZO(GHI)PERYLENE	9/17/2019	570	Y	Y				140	21	ug/kg
B-13 (6-7)	L1941584-12	BENZO(B)FLUORANTHENE	9/17/2019	1200	Y	Y				110	30	ug/kg
B-13 (6-7)	L1941584-12	BENZO(A)PYRENE	9/17/2019	950	Y	Y				140	43	ug/kg
B-13 (6-7)	L1941584-12	BENZO(A)ANTHRACENE	9/17/2019	1100	Y	Y				110	20	ug/kg
B-13 (6-7)	L1941584-12	ANTHRACENE	9/17/2019	350	Y	Y				110	34	ug/kg
B-13 (6-7)	L1941584-12	ACENAPHTHYLENE	9/17/2019	300	Y	Y				140	27	ug/kg
B-13 (6-7)	L1941584-12	UNKNOWN PAH	9/17/2019	252	Y	Y	J		J			
B-13 (6-7)	L1941584-12	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U	UJ	UJ	180	34	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (6-7)	L1941584-12	FLUORANTHENE	9/17/2019	2800	Y	Y				110	20	ug/kg
B-13 (6-7)	L1941584-12	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-13 (6-7)	L1941584-12	UNKNOWN PAH	9/17/2019	1420	Y	Y	J		J			
B-13 (6-7)	L1941584-12	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	20	ug/kg
B-13 (6-7)	L1941584-12	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-13 (6-7)	L1941584-12	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	30	ug/kg
B-13 (6-7)	L1941584-12	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-13 (6-7)	L1941584-12	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	34	ug/kg
B-13 (6-7)	L1941584-12	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	34	ug/kg
B-13 (6-7)	L1941584-12	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	28	ug/kg
B-13 (6-7)	L1941584-12	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	58	ug/kg
B-13 (6-7)	L1941584-12	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	850	82	ug/kg
B-13 (6-7)	L1941584-12	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-13 (6-7)	L1941584-12	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	30	ug/kg
B-13 (6-7)	L1941584-12	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	19	ug/kg
B-13 (6-7)	L1941584-12	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	21	ug/kg
B-13 (6-7)	L1941584-12	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	210	21	ug/kg
B-13 (6-7)	L1941584-12	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-13 (6-7)	L1941584-12	2-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-13 (6-7)	L1941584-12	2-NITROPHENOL	9/17/2019		Y	N	U		U	380	66	ug/kg
B-13 (6-7)	L1941584-12	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	47	ug/kg
B-13 (6-7)	L1941584-12	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	250	28	ug/kg
B-13 (6-7)	L1941584-12	3-NITROANILINE	9/17/2019		Y	N	U	UJ	UJ	180	33	ug/kg
B-13 (6-7)	L1941584-12	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	460	85	ug/kg
B-13 (6-7)	L1941584-12	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	27	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (6-7)	L1941584-12	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-13 (6-7)	L1941584-12	UNKNOWN	9/17/2019	465	Y	Y	J		J			
B-13 (6-7)	L1941584-12	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U	UJ	UJ	180	61	ug/kg
B-13 (6-7)	L1941584-12	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U		U	210	30	ug/kg
B-13 (6-7)	L1941584-12	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	24	ug/kg
B-13 (6-7)	L1941584-12	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	190	18	ug/kg
B-13 (6-7)	L1941584-12	BIPHENYL	9/17/2019		Y	N	U		U	400	41	ug/kg
B-13 (6-7)	L1941584-12	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	54	ug/kg
B-13 (6-7)	L1941584-12	BENZOIC ACID	9/17/2019		Y	N	U		U	570	180	ug/kg
B-13 (6-7)	L1941584-12	ACETOPHENONE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-13 (6-7)	L1941584-12	4-NITROPHENOL	9/17/2019		Y	N	U		U	250	72	ug/kg
B-13 (6-7)	L1941584-12	TOTAL TIC COMPOUNDS	9/17/2019	10200	Y	Y	J		J			
B-13 (6-7)	L1941584-12	UNKNOWN	9/17/2019	266	Y	Y	J		J			
B-13 (6-7)	L1941584-12	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-13 (6-7)	L1941584-12	UNKNOWN	9/17/2019	279	Y	Y	J		J			
B-13 (6-7)	L1941584-12	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U	UJ	UJ	180	44	ug/kg
B-13 (6-7)	L1941584-12	UNKNOWN	9/17/2019	426	Y	Y	J		J			
B-13 (6-7)	L1941584-12	UNKNOWN	9/17/2019	272	Y	Y	J		J			
B-13 (6-7)	L1941584-12	UNKNOWN	9/17/2019	899	Y	Y	J		J			
B-13 (6-7)	L1941584-12	UNKNOWN CARBAZOLE	9/17/2019	1340	Y	Y	J		J			
B-13 (6-7)	L1941584-12	UNKNOWN PAH	9/17/2019	704	Y	Y	J		J			
B-13 (6-7)	L1941584-12	UNKNOWN PAH	9/17/2019	2660	Y	Y	J		J			
B-13 (6-7)	L1941584-12	UNKNOWN PAH	9/17/2019	354	Y	Y	J		J			
B-13 (6-7)	L1941584-12	UNKNOWN PAH	9/17/2019	274	Y	Y	J		J			
B-13 (6-7)	L1941584-12	UNKNOWN PAH	9/17/2019	270	Y	Y	J		J			

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-13 (6-7)	L1941584-12	UNKNOWN PHENOL	9/17/2019	271	Y	Y	J		J			
B-13 (6-7)	L1941584-12	4-NITROANILINE	9/17/2019		Y	N	U	UJ	UJ	180	73	ug/kg
B-14 (2-3)	L1941584-10	INDENO(1,2,3-CD)PYRENE	9/17/2019	110	Y	Y	J		J	140	24	ug/kg
B-14 (2-3)	L1941584-10	CARBAZOLE	9/17/2019	23	Y	Y	J		J	170	17	ug/kg
B-14 (2-3)	L1941584-10	BENZO(K)FLUORANTHENE	9/17/2019	73	Y	Y	J		J	100	27	ug/kg
B-14 (2-3)	L1941584-10	BIPHENYL	9/17/2019		Y	N	U		U	390	40	ug/kg
B-14 (2-3)	L1941584-10	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	440	82	ug/kg
B-14 (2-3)	L1941584-10	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	170	18	ug/kg
B-14 (2-3)	L1941584-10	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	170	20	ug/kg
B-14 (2-3)	L1941584-10	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	170	52	ug/kg
B-14 (2-3)	L1941584-10	BENZOIC ACID	9/17/2019		Y	N	U		U	550	170	ug/kg
B-14 (2-3)	L1941584-10	ACENAPHTHYLENE	9/17/2019	36	Y	Y	J		J	140	26	ug/kg
B-14 (2-3)	L1941584-10	4-CHLOROANILINE	9/17/2019		Y	N	U		U	170	31	ug/kg
B-14 (2-3)	L1941584-10	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	170	31	ug/kg
B-14 (2-3)	L1941584-10	4-NITROANILINE	9/17/2019		Y	N	U		U	170	71	ug/kg
B-14 (2-3)	L1941584-10	4-NITROPHENOL	9/17/2019		Y	N	U		U	240	70	ug/kg
B-14 (2-3)	L1941584-10	ACENAPHTHENE	9/17/2019		Y	N	U		U	140	18	ug/kg
B-14 (2-3)	L1941584-10	ACETOPHENONE	9/17/2019		Y	N	U		U	170	21	ug/kg
B-14 (2-3)	L1941584-10	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	170	26	ug/kg
B-14 (2-3)	L1941584-10	ANTHRACENE	9/17/2019	57	Y	Y	J		J	100	33	ug/kg
B-14 (2-3)	L1941584-10	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	170	29	ug/kg
B-14 (2-3)	L1941584-10	UNKNOWN	9/17/2019	361	Y	Y	J		J			
B-14 (2-3)	L1941584-10	UNKNOWN	9/17/2019	168	Y	Y	J		J			
B-14 (2-3)	L1941584-10	TOTAL TIC COMPOUNDS	9/17/2019	529	Y	Y	J		J			
B-14 (2-3)	L1941584-10	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	170	30	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-14 (2-3)	L1941584-10	1,4-DIOXANE	9/17/2019		Y	N	U		U	26	7.9	ug/kg
B-14 (2-3)	L1941584-10	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	170	33	ug/kg
B-14 (2-3)	L1941584-10	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	100	32	ug/kg
B-14 (2-3)	L1941584-10	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	150	28	ug/kg
B-14 (2-3)	L1941584-10	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	170	18	ug/kg
B-14 (2-3)	L1941584-10	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	820	80	ug/kg
B-14 (2-3)	L1941584-10	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	150	23	ug/kg
B-14 (2-3)	L1941584-10	BENZO(GHI)PERYLENE	9/17/2019	130	Y	Y	J		J	140	20	ug/kg
B-14 (2-3)	L1941584-10	2-NITROANILINE	9/17/2019		Y	N	U		U	170	33	ug/kg
B-14 (2-3)	L1941584-10	3-NITROANILINE	9/17/2019		Y	N	U		U	170	32	ug/kg
B-14 (2-3)	L1941584-10	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	250	27	ug/kg
B-14 (2-3)	L1941584-10	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	170	46	ug/kg
B-14 (2-3)	L1941584-10	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	170	56	ug/kg
B-14 (2-3)	L1941584-10	2-NITROPHENOL	9/17/2019		Y	N	U		U	370	64	ug/kg
B-14 (2-3)	L1941584-10	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	170	34	ug/kg
B-14 (2-3)	L1941584-10	2-METHYLPHENOL	9/17/2019		Y	N	U		U	170	26	ug/kg
B-14 (2-3)	L1941584-10	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-14 (2-3)	L1941584-10	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	200	21	ug/kg
B-14 (2-3)	L1941584-10	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	170	20	ug/kg
B-14 (2-3)	L1941584-10	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	170	17	ug/kg
B-14 (2-3)	L1941584-10	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	170	29	ug/kg
B-14 (2-3)	L1941584-10	BENZO(A)ANTHRACENE	9/17/2019	180	Y	Y				100	19	ug/kg
B-14 (2-3)	L1941584-10	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	19	ug/kg
B-14 (2-3)	L1941584-10	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	170	36	ug/kg
B-14 (2-3)	L1941584-10	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	100	19	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-14 (2-3)	L1941584-10	BENZO(B)FLUORANTHENE	9/17/2019	220	Y	Y				100	29	ug/kg
B-14 (2-3)	L1941584-10	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	170	25	ug/kg
B-14 (2-3)	L1941584-10	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U		U	490	160	ug/kg
B-14 (2-3)	L1941584-10	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	170	16	ug/kg
B-14 (2-3)	L1941584-10	ISOPHORONE	9/17/2019		Y	N	U		U	150	22	ug/kg
B-14 (2-3)	L1941584-10	FLUORENE	9/17/2019		Y	N	U		U	170	17	ug/kg
B-14 (2-3)	L1941584-10	NAPHTHALENE	9/17/2019		Y	N	U		U	170	21	ug/kg
B-14 (2-3)	L1941584-10	NITROBENZENE	9/17/2019		Y	N	U		U	150	25	ug/kg
B-14 (2-3)	L1941584-10	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	38	ug/kg
B-14 (2-3)	L1941584-10	PHENOL	9/17/2019		Y	N	U		U	170	26	ug/kg
B-14 (2-3)	L1941584-10	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	170	26	ug/kg
B-14 (2-3)	L1941584-10	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	170	26	ug/kg
B-14 (2-3)	L1941584-10	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	28	ug/kg
B-14 (2-3)	L1941584-10	BENZO(A)PYRENE	9/17/2019	180	Y	Y				140	42	ug/kg
B-14 (2-3)	L1941584-10	PYRENE	9/17/2019	320	Y	Y				100	17	ug/kg
B-14 (2-3)	L1941584-10	PHENANTHRENE	9/17/2019	210	Y	Y				100	21	ug/kg
B-14 (2-3)	L1941584-10	FLUORANTHENE	9/17/2019	350	Y	Y				100	20	ug/kg
B-14 (2-3)	L1941584-10	CHRYSENE	9/17/2019	180	Y	Y				100	18	ug/kg
B-14 (2-3)	L1941584-10	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	200	29	ug/kg
B-14 (2-3)	L1941584-10	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	170	59	ug/kg
B-14 (2-3)	L1941584-10	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	170	43	ug/kg
B-14 (2-3)	L1941584-10	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	170	32	ug/kg
B-14 (2-3)	L1941584-10	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	170	58	ug/kg
B-14 (2-3)	L1941584-10	DIBENZOFURAN	9/17/2019		Y	N	U		U	170	16	ug/kg
B-14 (2-3)	L1941584-10	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	100	20	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-14 (8-9)	L1941584-09	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	28	ug/kg
B-14 (8-9)	L1941584-09	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	26	ug/kg
B-14 (8-9)	L1941584-09	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	100	20	ug/kg
B-14 (8-9)	L1941584-09	FLUORENE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-14 (8-9)	L1941584-09	FLUORANTHENE	9/17/2019		Y	N	U		U	100	20	ug/kg
B-14 (8-9)	L1941584-09	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U		U	500	160	ug/kg
B-14 (8-9)	L1941584-09	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-14 (8-9)	L1941584-09	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	140	21	ug/kg
B-14 (8-9)	L1941584-09	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	100	28	ug/kg
B-14 (8-9)	L1941584-09	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	27	ug/kg
B-14 (8-9)	L1941584-09	PHENOL	9/17/2019		Y	N	U		U	180	26	ug/kg
B-14 (8-9)	L1941584-09	PHENANTHRENE	9/17/2019		Y	N	U		U	100	21	ug/kg
B-14 (8-9)	L1941584-09	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	39	ug/kg
B-14 (8-9)	L1941584-09	NITROBENZENE	9/17/2019		Y	N	U		U	160	26	ug/kg
B-14 (8-9)	L1941584-09	NAPHTHALENE	9/17/2019		Y	N	U		U	180	21	ug/kg
B-14 (8-9)	L1941584-09	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	20	ug/kg
B-14 (8-9)	L1941584-09	CHRYSENE	9/17/2019		Y	N	U		U	100	18	ug/kg
B-14 (8-9)	L1941584-09	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	840	82	ug/kg
B-14 (8-9)	L1941584-09	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	37	ug/kg
B-14 (8-9)	L1941584-09	CARBAZOLE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-14 (8-9)	L1941584-09	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	44	ug/kg
B-14 (8-9)	L1941584-09	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	61	ug/kg
B-14 (8-9)	L1941584-09	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	210	30	ug/kg
B-14 (8-9)	L1941584-09	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	24	ug/kg
B-14 (8-9)	L1941584-09	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	190	18	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-14 (8-9)	L1941584-09	BIPHENYL	9/17/2019		Y	N	U		U	400	41	ug/kg
B-14 (8-9)	L1941584-09	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	54	ug/kg
B-14 (8-9)	L1941584-09	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	16	ug/kg
B-14 (8-9)	L1941584-09	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	60	ug/kg
B-14 (8-9)	L1941584-09	ACETOPHENONE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-14 (8-9)	L1941584-09	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	28	ug/kg
B-14 (8-9)	L1941584-09	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	460	84	ug/kg
B-14 (8-9)	L1941584-09	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	27	ug/kg
B-14 (8-9)	L1941584-09	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-14 (8-9)	L1941584-09	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	19	ug/kg
B-14 (8-9)	L1941584-09	4-NITROANILINE	9/17/2019		Y	N	U		U	180	73	ug/kg
B-14 (8-9)	L1941584-09	4-NITROPHENOL	9/17/2019		Y	N	U		U	250	72	ug/kg
B-14 (8-9)	L1941584-09	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	250	28	ug/kg
B-14 (8-9)	L1941584-09	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	140	27	ug/kg
B-14 (8-9)	L1941584-09	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	47	ug/kg
B-14 (8-9)	L1941584-09	ANTHRACENE	9/17/2019		Y	N	U		U	100	34	ug/kg
B-14 (8-9)	L1941584-09	BENZO(A)ANTHRACENE	9/17/2019		Y	N	U		U	100	20	ug/kg
B-14 (8-9)	L1941584-09	ISOPHORONE	9/17/2019		Y	N	U		U	160	23	ug/kg
B-14 (8-9)	L1941584-09	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	140	24	ug/kg
B-14 (8-9)	L1941584-09	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	26	ug/kg
B-14 (8-9)	L1941584-09	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	140	43	ug/kg
B-14 (8-9)	L1941584-09	BENZO(B)FLUORANTHENE	9/17/2019		Y	N	U		U	100	30	ug/kg
B-14 (8-9)	L1941584-09	ACENAPHTHENE	9/17/2019		Y	N	U		U	140	18	ug/kg
B-14 (8-9)	L1941584-09	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-14 (8-9)	L1941584-09	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	18	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-14 (8-9)	L1941584-09	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	20	ug/kg
B-14 (8-9)	L1941584-09	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-14 (8-9)	L1941584-09	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	30	ug/kg
B-14 (8-9)	L1941584-09	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-14 (8-9)	L1941584-09	1,4-DIOXANE	9/17/2019		Y	N	U		U	26	8.1	ug/kg
B-14 (8-9)	L1941584-09	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	34	ug/kg
B-14 (8-9)	L1941584-09	3-NITROANILINE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-14 (8-9)	L1941584-09	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	58	ug/kg
B-14 (8-9)	L1941584-09	BENZOIC ACID	9/17/2019		Y	N	U		U	570	180	ug/kg
B-14 (8-9)	L1941584-09	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	30	ug/kg
B-14 (8-9)	L1941584-09	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-14 (8-9)	L1941584-09	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	21	ug/kg
B-14 (8-9)	L1941584-09	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	210	21	ug/kg
B-14 (8-9)	L1941584-09	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-14 (8-9)	L1941584-09	2-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-14 (8-9)	L1941584-09	2-NITROPHENOL	9/17/2019		Y	N	U		U	380	66	ug/kg
B-14 (8-9)	L1941584-09	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	100	33	ug/kg
B-14 (8-9)	L1941584-09	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	100	20	ug/kg
B-14 (8-9)	L1941584-09	PYRENE	9/17/2019		Y	N	U		U	100	17	ug/kg
B-14 (8-9)	L1941584-09	TOTAL TIC COMPOUNDS	9/17/2019	348	Y	Y	J		J			
B-14 (8-9)	L1941584-09	UNKNOWN	9/17/2019	348	Y	Y	J		J			
B-14 (8-9)	L1941584-09	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	17	ug/kg
B-3 (4-5)	L1941584-15	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	170	25	ug/kg
B-3 (4-5)	L1941584-15	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	130	23	ug/kg
B-3 (4-5)	L1941584-15	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	130	27	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (4-5)	L1941584-15	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	170	26	ug/kg
B-3 (4-5)	L1941584-15	ISOPHORONE	9/17/2019		Y	N	U		U	150	22	ug/kg
B-3 (4-5)	L1941584-15	NAPHTHALENE	9/17/2019		Y	N	U		U	170	20	ug/kg
B-3 (4-5)	L1941584-15	PYRENE	9/17/2019		Y	N	U		U	100	17	ug/kg
B-3 (4-5)	L1941584-15	PHENOL	9/17/2019		Y	N	U		U	170	25	ug/kg
B-3 (4-5)	L1941584-15	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	130	37	ug/kg
B-3 (4-5)	L1941584-15	PHENANTHRENE	9/17/2019		Y	N	U		U	100	20	ug/kg
B-3 (4-5)	L1941584-15	NITROBENZENE	9/17/2019		Y	N	U		U	150	25	ug/kg
B-3 (4-5)	L1941584-15	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	130	19	ug/kg
B-3 (4-5)	L1941584-15	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	170	32	ug/kg
B-3 (4-5)	L1941584-15	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	170	45	ug/kg
B-3 (4-5)	L1941584-15	2-NITROPHENOL	9/17/2019		Y	N	U		U	360	63	ug/kg
B-3 (4-5)	L1941584-15	2-NITROANILINE	9/17/2019		Y	N	U		U	170	32	ug/kg
B-3 (4-5)	L1941584-15	2-METHYLPHENOL	9/17/2019		Y	N	U		U	170	26	ug/kg
B-3 (4-5)	L1941584-15	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	200	20	ug/kg
B-3 (4-5)	L1941584-15	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	170	20	ug/kg
B-3 (4-5)	L1941584-15	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	170	17	ug/kg
B-3 (4-5)	L1941584-15	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	170	29	ug/kg
B-3 (4-5)	L1941584-15	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	800	78	ug/kg
B-3 (4-5)	L1941584-15	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U	UJ	UJ	170	55	ug/kg
B-3 (4-5)	L1941584-15	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	150	27	ug/kg
B-3 (4-5)	L1941584-15	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	100	32	ug/kg
B-3 (4-5)	L1941584-15	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	240	26	ug/kg
B-3 (4-5)	L1941584-15	4-NITROPHENOL	9/17/2019		Y	N	U		U	230	68	ug/kg
B-3 (4-5)	L1941584-15	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	170	34	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (4-5)	L1941584-15	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	170	29	ug/kg
B-3 (4-5)	L1941584-15	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	150	23	ug/kg
B-3 (4-5)	L1941584-15	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	130	20	ug/kg
B-3 (4-5)	L1941584-15	UNKNOWN	9/17/2019	400	Y	Y	J		J			
B-3 (4-5)	L1941584-15	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	480	150	ug/kg
B-3 (4-5)	L1941584-15	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	100	27	ug/kg
B-3 (4-5)	L1941584-15	BENZOIC ACID	9/17/2019		Y	N	U		U	540	170	ug/kg
B-3 (4-5)	L1941584-15	UNKNOWN	9/17/2019	197	Y	Y	J		J			
B-3 (4-5)	L1941584-15	UNKNOWN	9/17/2019	390	Y	Y	J		J			
B-3 (4-5)	L1941584-15	TOTAL TIC COMPOUNDS	9/17/2019	987	Y	Y	J		J			
B-3 (4-5)	L1941584-15	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	170	26	ug/kg
B-3 (4-5)	L1941584-15	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	170	51	ug/kg
B-3 (4-5)	L1941584-15	BIPHENYL	9/17/2019		Y	N	U		U	380	39	ug/kg
B-3 (4-5)	L1941584-15	ACENAPHTHENE	9/17/2019		Y	N	U		U	130	17	ug/kg
B-3 (4-5)	L1941584-15	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	100	19	ug/kg
B-3 (4-5)	L1941584-15	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	200	29	ug/kg
B-3 (4-5)	L1941584-15	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	170	58	ug/kg
B-3 (4-5)	L1941584-15	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	170	42	ug/kg
B-3 (4-5)	L1941584-15	CARBAZOLE	9/17/2019		Y	N	U		U	170	16	ug/kg
B-3 (4-5)	L1941584-15	3-NITROANILINE	9/17/2019		Y	N	U		U	170	32	ug/kg
B-3 (4-5)	L1941584-15	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	170	32	ug/kg
B-3 (4-5)	L1941584-15	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-3 (4-5)	L1941584-15	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	170	57	ug/kg
B-3 (4-5)	L1941584-15	CHRYSENE	9/17/2019		Y	N	U		U	100	17	ug/kg
B-3 (4-5)	L1941584-15	DIBENZOFURAN	9/17/2019		Y	N	U		U	170	16	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (4-5)	L1941584-15	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	170	16	ug/kg
B-3 (4-5)	L1941584-15	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	170	35	ug/kg
B-3 (4-5)	L1941584-15	FLUORANTHENE	9/17/2019		Y	N	U		U	100	19	ug/kg
B-3 (4-5)	L1941584-15	FLUORENE	9/17/2019		Y	N	U		U	170	16	ug/kg
B-3 (4-5)	L1941584-15	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	100	19	ug/kg
B-3 (4-5)	L1941584-15	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	170	24	ug/kg
B-3 (4-5)	L1941584-15	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	170	18	ug/kg
B-3 (4-5)	L1941584-15	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	170	18	ug/kg
B-3 (4-5)	L1941584-15	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	440	80	ug/kg
B-3 (4-5)	L1941584-15	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	130	26	ug/kg
B-3 (4-5)	L1941584-15	ACETOPHENONE	9/17/2019		Y	N	U		U	170	21	ug/kg
B-3 (4-5)	L1941584-15	4-NITROANILINE	9/17/2019		Y	N	U		U	170	69	ug/kg
B-3 (4-5)	L1941584-15	ANTHRACENE	9/17/2019		Y	N	U		U	100	33	ug/kg
B-3 (4-5)	L1941584-15	BENZO(A)ANTHRACENE	9/17/2019		Y	N	U		U	100	19	ug/kg
B-3 (4-5)	L1941584-15	4-CHLOROANILINE	9/17/2019		Y	N	U		U	170	30	ug/kg
B-3 (4-5)	L1941584-15	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	130	41	ug/kg
B-3 (4-5)	L1941584-15	BENZO(B)FLUORANTHENE	9/17/2019		Y	N	U		U	100	28	ug/kg
B-3 (4-5)	L1941584-15	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	170	29	ug/kg
B-3 (4-5)	L1941584-15	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	170	30	ug/kg
B-3 (4-5)	L1941584-15	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	170	19	ug/kg
B-3 (6-7)	L1941584-16	FLUORANTHENE	9/17/2019	36	Y	Y	J		J	110	21	ug/kg
B-3 (6-7)	L1941584-16	PHENANTHRENE	9/17/2019	25	Y	Y	J		J	110	22	ug/kg
B-3 (6-7)	L1941584-16	PYRENE	9/17/2019	30	Y	Y	J		J	110	18	ug/kg
B-3 (6-7)	L1941584-16	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	150	30	ug/kg
B-3 (6-7)	L1941584-16	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	260	29	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (6-7)	L1941584-16	NITROBENZENE	9/17/2019		Y	N	U		U	160	27	ug/kg
B-3 (6-7)	L1941584-16	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-3 (6-7)	L1941584-16	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-3 (6-7)	L1941584-16	3-NITROANILINE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-3 (6-7)	L1941584-16	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	480	88	ug/kg
B-3 (6-7)	L1941584-16	ANTHRACENE	9/17/2019		Y	N	U		U	110	36	ug/kg
B-3 (6-7)	L1941584-16	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	150	21	ug/kg
B-3 (6-7)	L1941584-16	ISOPHORONE	9/17/2019		Y	N	U		U	160	24	ug/kg
B-3 (6-7)	L1941584-16	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	28	ug/kg
B-3 (6-7)	L1941584-16	4-NITROANILINE	9/17/2019		Y	N	U		U	180	76	ug/kg
B-3 (6-7)	L1941584-16	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	150	26	ug/kg
B-3 (6-7)	L1941584-16	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	880	86	ug/kg
B-3 (6-7)	L1941584-16	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	20	ug/kg
B-3 (6-7)	L1941584-16	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	150	28	ug/kg
B-3 (6-7)	L1941584-16	ACETOPHENONE	9/17/2019		Y	N	U		U	180	23	ug/kg
B-3 (6-7)	L1941584-16	BENZO(A)ANTHRACENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-3 (6-7)	L1941584-16	4-NITROPHENOL	9/17/2019		Y	N	U		U	260	75	ug/kg
B-3 (6-7)	L1941584-16	ACENAPHTHENE	9/17/2019		Y	N	U		U	150	19	ug/kg
B-3 (6-7)	L1941584-16	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	49	ug/kg
B-3 (6-7)	L1941584-16	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-3 (6-7)	L1941584-16	CARBAZOLE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-3 (6-7)	L1941584-16	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	530	170	ug/kg
B-3 (6-7)	L1941584-16	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	27	ug/kg
B-3 (6-7)	L1941584-16	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-3 (6-7)	L1941584-16	FLUORENE	9/17/2019		Y	N	U		U	180	18	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (6-7)	L1941584-16	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	39	ug/kg
B-3 (6-7)	L1941584-16	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-3 (6-7)	L1941584-16	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	17	ug/kg
B-3 (6-7)	L1941584-16	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-3 (6-7)	L1941584-16	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	63	ug/kg
B-3 (6-7)	L1941584-16	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-3 (6-7)	L1941584-16	CHRYSENE	9/17/2019		Y	N	U		U	110	19	ug/kg
B-3 (6-7)	L1941584-16	UNKNOWN	9/17/2019	344	Y	Y	J		J			
B-3 (6-7)	L1941584-16	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	46	ug/kg
B-3 (6-7)	L1941584-16	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	64	ug/kg
B-3 (6-7)	L1941584-16	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	220	31	ug/kg
B-3 (6-7)	L1941584-16	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	25	ug/kg
B-3 (6-7)	L1941584-16	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	200	18	ug/kg
B-3 (6-7)	L1941584-16	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-3 (6-7)	L1941584-16	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-3 (6-7)	L1941584-16	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-3 (6-7)	L1941584-16	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	21	ug/kg
B-3 (6-7)	L1941584-16	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	19	ug/kg
B-3 (6-7)	L1941584-16	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-3 (6-7)	L1941584-16	BENZOIC ACID	9/17/2019		Y	N	U		U	600	190	ug/kg
B-3 (6-7)	L1941584-16	PHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
B-3 (6-7)	L1941584-16	2-NITROPHENOL	9/17/2019		Y	N	U		U	400	69	ug/kg
B-3 (6-7)	L1941584-16	2-NITROANILINE	9/17/2019		Y	N	U		U	180	36	ug/kg
B-3 (6-7)	L1941584-16	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	28	ug/kg
B-3 (6-7)	L1941584-16	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-3 (6-7)	L1941584-16	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	220	22	ug/kg
B-3 (6-7)	L1941584-16	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	150	45	ug/kg
B-3 (6-7)	L1941584-16	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	22	ug/kg
B-3 (6-7)	L1941584-16	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-3 (6-7)	L1941584-16	BENZO(B)FLUORANTHENE	9/17/2019		Y	N	U		U	110	31	ug/kg
B-3 (6-7)	L1941584-16	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	110	29	ug/kg
B-3 (6-7)	L1941584-16	TOTAL TIC COMPOUNDS	9/17/2019	726	Y	Y	J		J			
B-3 (6-7)	L1941584-16	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	37	ug/kg
B-3 (6-7)	L1941584-16	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	56	ug/kg
B-3 (6-7)	L1941584-16	BIPHENYL	9/17/2019		Y	N	U		U	420	43	ug/kg
B-3 (6-7)	L1941584-16	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U	UJ	UJ	180	61	ug/kg
B-3 (6-7)	L1941584-16	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	30	ug/kg
B-3 (6-7)	L1941584-16	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	35	ug/kg
B-3 (6-7)	L1941584-16	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	35	ug/kg
B-3 (6-7)	L1941584-16	UNKNOWN	9/17/2019	382	Y	Y	J		J			
B-3 (6-7)	L1941584-16	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	150	40	ug/kg
B-3 (6-7)	L1941584-16	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	150	22	ug/kg
B-4 (4-5)	L1941584-04	2,4-DINITROTOLUENE	9/18/2019		Y	N	U		U	3500	710	ug/kg
B-4 (4-5)	L1941584-04	2,4-DINITROPHENOL	9/18/2019		Y	N	U		U	17000	1600	ug/kg
B-4 (4-5)	L1941584-04	2,4-DIMETHYLPHENOL	9/18/2019		Y	N	U		U	3500	1200	ug/kg
B-4 (4-5)	L1941584-04	2,4-DICHLOROPHENOL	9/18/2019		Y	N	U		U	3200	570	ug/kg
B-4 (4-5)	L1941584-04	HEXACHLOROETHANE	9/18/2019		Y	N	U		U	2800	570	ug/kg
B-4 (4-5)	L1941584-04	2,4,6-TRICHLOROPHENOL	9/18/2019		Y	N	U		U	2100	670	ug/kg
B-4 (4-5)	L1941584-04	2,4,5-TRICHLOROPHENOL	9/18/2019		Y	N	U		U	3500	680	ug/kg
B-4 (4-5)	L1941584-04	UNKNOWN PAH	9/18/2019	10600	Y	Y	J		J			

SDG: L1941584

Analytical Method	SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (4-5)	L1941584-04	UNKNOWN PAH	9/18/2019	4580	Y	Y	J		J			
B-4 (4-5)	L1941584-04	1,4-DIOXANE	9/18/2019		Y	N	U		U	530	160	ug/kg
B-4 (4-5)	L1941584-04	1,3-DICHLOROBENZENE	9/18/2019		Y	N	U		U	3500	610	ug/kg
B-4 (4-5)	L1941584-04	2,6-DINITROTOLUENE	9/18/2019		Y	N	U		U	3500	610	ug/kg
B-4 (4-5)	L1941584-04	UNKNOWN PAH	9/18/2019	9620	Y	Y	J		J			
B-4 (4-5)	L1941584-04	2-CHLOROPHENOL	9/18/2019		Y	N	U		U	3500	420	ug/kg
B-4 (4-5)	L1941584-04	P-CHLORO-M-CRESOL	9/18/2019		Y	N	U		U	3500	530	ug/kg
B-4 (4-5)	L1941584-04	1,2-DICHLOROBENZENE	9/18/2019		Y	N	U		U	3500	640	ug/kg
B-4 (4-5)	L1941584-04	1,2,4-TRICHLOROBENZENE	9/18/2019		Y	N	U		U	3500	400	ug/kg
B-4 (4-5)	L1941584-04	1,2,4,5-TETRACHLOROBENZENE	9/18/2019		Y	N	U		U	3500	370	ug/kg
B-4 (4-5)	L1941584-04	NITROSODIPHENYLAMINE(NDPA)/DPA	9/18/2019		Y	N	U		U	2800	400	ug/kg
B-4 (4-5)	L1941584-04	NITROBENZENE	9/18/2019		Y	N	U		U	3200	520	ug/kg
B-4 (4-5)	L1941584-04	PENTACHLOROPHENOL	9/18/2019		Y	N	U		U	2800	780	ug/kg
B-4 (4-5)	L1941584-04	PHENOL	9/18/2019		Y	N	U		U	3500	540	ug/kg
B-4 (4-5)	L1941584-04	N-NITROSODI-N-PROPYLAMINE	9/18/2019		Y	N	U		U	3500	550	ug/kg
B-4 (4-5)	L1941584-04	1,4-DICHLOROBENZENE	9/18/2019		Y	N	U		U	3500	620	ug/kg
B-4 (4-5)	L1941584-04	BIS(2-CHLOROETHYL)ETHER	9/18/2019		Y	N	U		U	3200	480	ug/kg
B-4 (4-5)	L1941584-04	3-NITROANILINE	9/18/2019		Y	N	U		U	3500	670	ug/kg
B-4 (4-5)	L1941584-04	4,6-DINITRO-O-CRESOL	9/18/2019		Y	N	U		U	9200	1700	ug/kg
B-4 (4-5)	L1941584-04	4-BROMOPHENYL PHENYL ETHER	9/18/2019		Y	N	U		U	3500	540	ug/kg
B-4 (4-5)	L1941584-04	4-CHLOROANILINE	9/18/2019		Y	N	U		U	3500	640	ug/kg
B-4 (4-5)	L1941584-04	4-CHLOROPHENYL PHENYL ETHER	9/18/2019		Y	N	U		U	3500	380	ug/kg
B-4 (4-5)	L1941584-04	4-NITROANILINE	9/18/2019		Y	N	U		U	3500	1500	ug/kg
B-4 (4-5)	L1941584-04	4-NITROPHENOL	9/18/2019		Y	N	U		U	5000	1400	ug/kg
B-4 (4-5)	L1941584-04	ACETOPHENONE	9/18/2019		Y	N	U		U	3500	440	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (4-5)	L1941584-04	BENZOIC ACID	9/18/2019		Y	N	U		U	11000	3600	ug/kg
B-4 (4-5)	L1941584-04	BENZYL ALCOHOL	9/18/2019		Y	N	U		U	3500	1100	ug/kg
B-4 (4-5)	L1941584-04	DI-N-OCTYLPHTHALATE	9/18/2019		Y	N	U		U	3500	1200	ug/kg
B-4 (4-5)	L1941584-04	BIS(2-CHLOROETHOXY)METHANE	9/18/2019		Y	N	U		U	3800	360	ug/kg
B-4 (4-5)	L1941584-04	ISOPHORONE	9/18/2019		Y	N	U		U	3200	460	ug/kg
B-4 (4-5)	L1941584-04	BIS(2-CHLOROISOPROPYL)ETHER	9/18/2019		Y	N	U		U	4200	610	ug/kg
B-4 (4-5)	L1941584-04	BUTYL BENZYL PHTHALATE	9/18/2019		Y	N	U		U	3500	890	ug/kg
B-4 (4-5)	L1941584-04	3-METHYLPHENOL/4-METHYLPHENOL	9/18/2019		Y	N	U		U	5100	560	ug/kg
B-4 (4-5)	L1941584-04	3,3'-DICHLOROBENZIDINE	9/18/2019		Y	N	U		U	3500	940	ug/kg
B-4 (4-5)	L1941584-04	2-NITROPHENOL	9/18/2019		Y	N	U		U	7700	1300	ug/kg
B-4 (4-5)	L1941584-04	2-NITROANILINE	9/18/2019		Y	N	U		U	3500	680	ug/kg
B-4 (4-5)	L1941584-04	2-METHYLPHENOL	9/18/2019		Y	N	U		U	3500	550	ug/kg
B-4 (4-5)	L1941584-04	UNKNOWN PAH	9/18/2019	4750	Y	Y	J		J			
B-4 (4-5)	L1941584-04	DI-N-BUTYLPHTHALATE	9/18/2019		Y	N	U		U	3500	670	ug/kg
B-4 (4-5)	L1941584-04	UNKNOWN NAPHTHALENE	9/18/2019	7900	Y	Y	J		J			
B-4 (4-5)	L1941584-04	2-CHLORONAPHTHALENE	9/18/2019		Y	N	U		U	3500	350	ug/kg
B-4 (4-5)	L1941584-04	BIPHENYL	9/18/2019		Y	N	U		U	8100	820	ug/kg
B-4 (4-5)	L1941584-04	UNKNOWN	9/18/2019	7040	Y	Y	J		J			
B-4 (4-5)	L1941584-04	2-METHYLNAPHTHALENE	9/18/2019	1200	Y	Y	J		J	4200	430	ug/kg
B-4 (4-5)	L1941584-04	ACENAPHTHENE	9/18/2019	1900	Y	Y	J		J	2800	370	ug/kg
B-4 (4-5)	L1941584-04	ACENAPHTHYLENE	9/18/2019	1700	Y	Y	J		J	2800	550	ug/kg
B-4 (4-5)	L1941584-04	CARBAZOLE	9/18/2019	2600	Y	Y	J		J	3500	340	ug/kg
B-4 (4-5)	L1941584-04	DIBENZO(A,H)ANTHRACENE	9/18/2019	2000	Y	Y	J		J	2100	410	ug/kg
B-4 (4-5)	L1941584-04	DIBENZOFURAN	9/18/2019	2000	Y	Y	J		J	3500	340	ug/kg
B-4 (4-5)	L1941584-04	NAPHTHALENE	9/18/2019	1600	Y	Y	J		J	3500	430	ug/kg

SDG: L1941584

Analytical Method	SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (4-5)	L1941584-04	UNKNOWN BENZENE	9/18/2019	3450	Y	Y	J		J			
B-4 (4-5)	L1941584-04	DIETHYL PHTHALATE	9/18/2019		Y	N	U		U	3500	330	ug/kg
B-4 (4-5)	L1941584-04	DIMETHYL PHTHALATE	9/18/2019		Y	N	U		U	3500	740	ug/kg
B-4 (4-5)	L1941584-04	HEXACHLOROBENZENE	9/18/2019		Y	N	U		U	2100	400	ug/kg
B-4 (4-5)	L1941584-04	HEXACHLOROBUTADIENE	9/18/2019		Y	N	U		U	3500	520	ug/kg
B-4 (4-5)	L1941584-04	HEXACHLOROCYCLOPENTADIENE	9/18/2019		Y	N	U		U	10000	3200	ug/kg
B-4 (4-5)	L1941584-04	TOTAL TIC COMPOUNDS	9/18/2019	92600	Y	Y	J		J			
B-4 (4-5)	L1941584-04	UNKNOWN	9/18/2019	5140	Y	Y	J		J			
B-4 (4-5)	L1941584-04	UNKNOWN	9/18/2019	3730	Y	Y	J		J			
B-4 (4-5)	L1941584-04	UNKNOWN ALKANE	9/18/2019	5500	Y	Y	J		J			
B-4 (4-5)	L1941584-04	UNKNOWN ALKANE	9/18/2019	3910	Y	Y	J		J			
B-4 (4-5)	L1941584-04	UNKNOWN	9/18/2019	5000	Y	Y	J		J			
B-4 (4-5)	L1941584-04	UNKNOWN ALKANE	9/18/2019	5040	Y	Y	J		J			
B-4 (4-5)	L1941584-04	UNKNOWN ALKANE	9/18/2019	4380	Y	Y	J		J			
B-4 (4-5)	L1941584-04	UNKNOWN	9/18/2019	12000	Y	Y	J		J			
B-4 (4-5)	L1941584-04	BENZO(A)PYRENE	9/18/2019	14000	Y	Y				2800	860	ug/kg
B-4 (4-5)	L1941584-04	FLUORANTHENE	9/18/2019	41000	Y	Y				2100	410	ug/kg
B-4 (4-5)	L1941584-04	ANTHRACENE	9/18/2019	5900	Y	Y				2100	690	ug/kg
B-4 (4-5)	L1941584-04	BENZO(B)FLUORANTHENE	9/18/2019	18000	Y	Y				2100	600	ug/kg
B-4 (4-5)	L1941584-04	BENZO(GHI)PERYLENE	9/18/2019	8600	Y	Y				2800	420	ug/kg
B-4 (4-5)	L1941584-04	BIS(2-ETHYLHEXYL)PHTHALATE	9/18/2019	22000	Y	Y				3500	1200	ug/kg
B-4 (4-5)	L1941584-04	CHRYSENE	9/18/2019	17000	Y	Y				2100	370	ug/kg
B-4 (4-5)	L1941584-04	FLUORENE	9/18/2019	4800	Y	Y				3500	340	ug/kg
B-4 (4-5)	L1941584-04	INDENO(1,2,3-CD)PYRENE	9/18/2019	9100	Y	Y				2800	490	ug/kg
B-4 (4-5)	L1941584-04	PHENANTHRENE	9/18/2019	21000	Y	Y				2100	430	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (4-5)	L1941584-04	BENZO(K)FLUORANTHENE	9/18/2019	6000	Y	Y				2100	570	ug/kg
B-4 (4-5)	L1941584-04	BENZO(A)ANTHRACENE	9/18/2019	16000	Y	Y				2100	400	ug/kg
B-4 (4-5)	L1941584-04	PYRENE	9/18/2019	34000	Y	Y				2100	350	ug/kg
B-4 (7-8)	L1941584-05	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	27	ug/kg
B-4 (7-8)	L1941584-05	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	38	ug/kg
B-4 (7-8)	L1941584-05	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	150	28	ug/kg
B-4 (7-8)	L1941584-05	ANTHRACENE	9/17/2019		Y	N	U		U	110	36	ug/kg
B-4 (7-8)	L1941584-05	ACENAPHTHENE	9/17/2019		Y	N	U		U	150	19	ug/kg
B-4 (7-8)	L1941584-05	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	63	ug/kg
B-4 (7-8)	L1941584-05	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	46	ug/kg
B-4 (7-8)	L1941584-05	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-4 (7-8)	L1941584-05	ACETOPHENONE	9/17/2019		Y	N	U		U	180	23	ug/kg
B-4 (7-8)	L1941584-05	FLUORENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-4 (7-8)	L1941584-05	BIPHENYL	9/17/2019		Y	N	U		U	420	42	ug/kg
B-4 (7-8)	L1941584-05	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	56	ug/kg
B-4 (7-8)	L1941584-05	DIISOOCTYL ADIPATE	9/17/2019	210	Y	Y	NJ		J			
B-4 (7-8)	L1941584-05	4-NITROPHENOL	9/17/2019		Y	N	U		U	260	75	ug/kg
B-4 (7-8)	L1941584-05	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	28	ug/kg
B-4 (7-8)	L1941584-05	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	200	18	ug/kg
B-4 (7-8)	L1941584-05	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	25	ug/kg
B-4 (7-8)	L1941584-05	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	220	31	ug/kg
B-4 (7-8)	L1941584-05	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	17	ug/kg
B-4 (7-8)	L1941584-05	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-4 (7-8)	L1941584-05	BENZOIC ACID	9/17/2019		Y	N	U		U	590	180	ug/kg
B-4 (7-8)	L1941584-05	2-NITROPHENOL	9/17/2019		Y	N	U		U	400	69	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (7-8)	L1941584-05	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	150	40	ug/kg
B-4 (7-8)	L1941584-05	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	21	ug/kg
B-4 (7-8)	L1941584-05	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-4 (7-8)	L1941584-05	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-4 (7-8)	L1941584-05	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-4 (7-8)	L1941584-05	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	22	ug/kg
B-4 (7-8)	L1941584-05	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-4 (7-8)	L1941584-05	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	220	22	ug/kg
B-4 (7-8)	L1941584-05	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	20	ug/kg
B-4 (7-8)	L1941584-05	2-NITROANILINE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-4 (7-8)	L1941584-05	4-NITROANILINE	9/17/2019		Y	N	U		U	180	76	ug/kg
B-4 (7-8)	L1941584-05	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	49	ug/kg
B-4 (7-8)	L1941584-05	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	260	29	ug/kg
B-4 (7-8)	L1941584-05	3-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-4 (7-8)	L1941584-05	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	480	88	ug/kg
B-4 (7-8)	L1941584-05	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-4 (7-8)	L1941584-05	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	19	ug/kg
B-4 (7-8)	L1941584-05	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	62	ug/kg
B-4 (7-8)	L1941584-05	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-4 (7-8)	L1941584-05	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
B-4 (7-8)	L1941584-05	NITROBENZENE	9/17/2019		Y	N	U		U	160	27	ug/kg
B-4 (7-8)	L1941584-05	BENZO(GHI)PERYLENE	9/17/2019	91	Y	Y	J		J	150	22	ug/kg
B-4 (7-8)	L1941584-05	BENZO(K)FLUORANTHENE	9/17/2019	44	Y	Y	J		J	110	29	ug/kg
B-4 (7-8)	L1941584-05	INDENO(1,2,3-CD)PYRENE	9/17/2019	89	Y	Y	J		J	150	26	ug/kg
B-4 (7-8)	L1941584-05	PHENANTHRENE	9/17/2019	58	Y	Y	J		J	110	22	ug/kg

SDG: L1941584

Analytical Method	SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (7-8)	L1941584-05	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-4 (7-8)	L1941584-05	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-4 (7-8)	L1941584-05	ISOPHORONE	9/17/2019		Y	N	U		U	160	24	ug/kg
B-4 (7-8)	L1941584-05	BENZO(A)PYRENE	9/17/2019	120	Y	Y	J		J	150	45	ug/kg
B-4 (7-8)	L1941584-05	CARBAZOLE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-4 (7-8)	L1941584-05	PHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
B-4 (7-8)	L1941584-05	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	28	ug/kg
B-4 (7-8)	L1941584-05	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-4 (7-8)	L1941584-05	TOTAL TIC COMPOUNDS	9/17/2019	1220	Y	Y	J		J			
B-4 (7-8)	L1941584-05	UNKNOWN	9/17/2019	769	Y	Y	J		J			
B-4 (7-8)	L1941584-05	UNKNOWN	9/17/2019	240	Y	Y	J		J			
B-4 (7-8)	L1941584-05	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U		U	520	160	ug/kg
B-4 (7-8)	L1941584-05	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-4 (7-8)	L1941584-05	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	150	21	ug/kg
B-4 (7-8)	L1941584-05	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	37	ug/kg
B-4 (7-8)	L1941584-05	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	880	85	ug/kg
B-4 (7-8)	L1941584-05	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	60	ug/kg
B-4 (7-8)	L1941584-05	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	29	ug/kg
B-4 (7-8)	L1941584-05	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	35	ug/kg
B-4 (7-8)	L1941584-05	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	35	ug/kg
B-4 (7-8)	L1941584-05	1,4-DIOXANE	9/17/2019		Y	N	U		U	27	8.4	ug/kg
B-4 (7-8)	L1941584-05	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	150	30	ug/kg
B-4 (7-8)	L1941584-05	CHRYSENE	9/17/2019	110	Y	Y				110	19	ug/kg
B-4 (7-8)	L1941584-05	FLUORANTHENE	9/17/2019	180	Y	Y				110	21	ug/kg
B-4 (7-8)	L1941584-05	PYRENE	9/17/2019	180	Y	Y				110	18	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-4 (7-8)	L1941584-05	BENZO(B)FLUORANTHENE	9/17/2019	150	Y	Y				110	31	ug/kg
B-4 (7-8)	L1941584-05	BENZO(A)ANTHRACENE	9/17/2019	110	Y	Y				110	21	ug/kg
B-8 (4-5)	L1941584-13	PHENANTHRENE	9/18/2019	85000	Y	Y	E			1100	220	ug/kg
B-8 (4-5)	L1941584-13	PYRENE	9/18/2019	120000	Y	Y	E			1100	180	ug/kg
B-8 (4-5)	L1941584-13	PHENOL	9/18/2019	270	Y	Y	J		J	1800	270	ug/kg
B-8 (4-5)	L1941584-13	3-METHYLPHENOL/4-METHYLPHENOL	9/18/2019	430	Y	Y	J		J	2600	280	ug/kg
B-8 (4-5)	L1941584-13	2-METHYLNAPHTHALENE	9/18/2019	1800	Y	Y	J		J	2200	220	ug/kg
B-8 (4-5)	L1941584-13	FLUORANTHENE	9/18/2019	120000	Y	Y	E			1100	210	ug/kg
B-8 (4-5)	L1941584-13	BIPHENYL	9/18/2019	540	Y	Y	J		J	4100	420	ug/kg
B-8 (4-5)	L1941584-13	BIS(2-CHLOROETHYL)ETHER	9/18/2019		Y	N	U		U	1600	240	ug/kg
B-8 (4-5)	L1941584-13	UNKNOWN	9/18/2019	13800	Y	Y	J		J			
B-8 (4-5)	L1941584-13	UNKNOWN KETONE	9/18/2019	12700	Y	Y	J		J			
B-8 (4-5)	L1941584-13	UNKNOWN PAH	9/18/2019	10800	Y	Y	J		J			
B-8 (4-5)	L1941584-13	UNKNOWN PAH	9/18/2019	13900	Y	Y	J		J			
B-8 (4-5)	L1941584-13	BIS(2-CHLOROETHOXY)METHANE	9/18/2019		Y	N	U		U	2000	180	ug/kg
B-8 (4-5)	L1941584-13	BIS(2-CHLOROISOPROPYL)ETHER	9/18/2019		Y	N	U		U	2200	310	ug/kg
B-8 (4-5)	L1941584-13	UNKNOWN PAH	9/18/2019	22800	Y	Y	J		J			
B-8 (4-5)	L1941584-13	BUTYL BENZYL PHTHALATE	9/18/2019		Y	N	U		U	1800	460	ug/kg
B-8 (4-5)	L1941584-13	UNKNOWN PAH	9/18/2019	11700	Y	Y	J		J			
B-8 (4-5)	L1941584-13	UNKNOWN	9/18/2019	14200	Y	Y	J		J			
B-8 (4-5)	L1941584-13	DI-N-BUTYLPHTHALATE	9/18/2019		Y	N	U		U	1800	340	ug/kg
B-8 (4-5)	L1941584-13	UNKNOWN PAH	9/18/2019	10900	Y	Y	J		J			
B-8 (4-5)	L1941584-13	UNKNOWN PAH	9/18/2019	12500	Y	Y	J		J			
B-8 (4-5)	L1941584-13	UNKNOWN PAH	9/18/2019	13800	Y	Y	J		J			
B-8 (4-5)	L1941584-13	UNKNOWN PAH	9/18/2019	18000	Y	Y	J		J			

SDG: L1941584

Analytical Method	SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (4-5)	L1941584-13	BIS(2-ETHYLHEXYL)PHTHALATE	9/18/2019		Y	N	U		U	1800	630	ug/kg
B-8 (4-5)	L1941584-13	UNKNOWN PAH	9/18/2019	29400	Y	Y	J		J			
B-8 (4-5)	L1941584-13	NAPHTHALENE	9/18/2019	4300	Y	Y				1800	220	ug/kg
B-8 (4-5)	L1941584-13	2-METHYLPHENOL	9/18/2019		Y	N	U		U	1800	280	ug/kg
B-8 (4-5)	L1941584-13	2-NITROANILINE	9/18/2019		Y	N	U		U	1800	350	ug/kg
B-8 (4-5)	L1941584-13	2-NITROPHENOL	9/18/2019		Y	N	U		U	3900	680	ug/kg
B-8 (4-5)	L1941584-13	3,3'-DICHLOROBENZIDINE	9/18/2019		Y	N	U		U	1800	480	ug/kg
B-8 (4-5)	L1941584-13	3-NITROANILINE	9/18/2019		Y	N	U		U	1800	340	ug/kg
B-8 (4-5)	L1941584-13	4,6-DINITRO-O-CRESOL	9/18/2019		Y	N	U		U	4700	870	ug/kg
B-8 (4-5)	L1941584-13	4-BROMOPHENYL PHENYL ETHER	9/18/2019		Y	N	U		U	1800	280	ug/kg
B-8 (4-5)	L1941584-13	BENZYL ALCOHOL	9/18/2019		Y	N	U		U	1800	550	ug/kg
B-8 (4-5)	L1941584-13	4-CHLOROPHENYL PHENYL ETHER	9/18/2019		Y	N	U		U	1800	190	ug/kg
B-8 (4-5)	L1941584-13	UNKNOWN	9/18/2019	11500	Y	Y	J		J			
B-8 (4-5)	L1941584-13	4-NITROANILINE	9/18/2019		Y	N	U		U	1800	750	ug/kg
B-8 (4-5)	L1941584-13	4-NITROPHENOL	9/18/2019		Y	N	U		U	2500	740	ug/kg
B-8 (4-5)	L1941584-13	ACETOPHENONE	9/18/2019		Y	N	U		U	1800	220	ug/kg
B-8 (4-5)	L1941584-13	ISOPHORONE	9/18/2019		Y	N	U		U	1600	240	ug/kg
B-8 (4-5)	L1941584-13	BENZOIC ACID	9/18/2019		Y	N	U		U	5900	1800	ug/kg
B-8 (4-5)	L1941584-13	DI-N-OCTYLPHTHALATE	9/18/2019		Y	N	U		U	1800	620	ug/kg
B-8 (4-5)	L1941584-13	TOTAL TIC COMPOUNDS	9/18/2019	261000	Y	Y	J		J			
B-8 (4-5)	L1941584-13	UNKNOWN	9/18/2019	24400	Y	Y	J		J			
B-8 (4-5)	L1941584-13	4-CHLOROANILINE	9/18/2019		Y	N	U		U	1800	330	ug/kg
B-8 (4-5)	L1941584-13	2,4-DIMETHYLPHENOL	9/18/2019		Y	N	U		U	1800	600	ug/kg
B-8 (4-5)	L1941584-13	HEXACHLOROCYCLOPENTADIENE	9/18/2019		Y	N	U		U	5200	1600	ug/kg
B-8 (4-5)	L1941584-13	DIBENZO(A,H)ANTHRACENE	9/18/2019	8600	Y	Y				1100	210	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (4-5)	L1941584-13	DIBENZOFURAN	9/18/2019	4100	Y	Y				1800	170	ug/kg
B-8 (4-5)	L1941584-13	INDENO(1,2,3-CD)PYRENE	9/18/2019	36000	Y	Y				1400	250	ug/kg
B-8 (4-5)	L1941584-13	2-CHLOROPHENOL	9/18/2019		Y	N	U		U	1800	210	ug/kg
B-8 (4-5)	L1941584-13	FLUORENE	9/18/2019	6600	Y	Y				1800	180	ug/kg
B-8 (4-5)	L1941584-13	2,6-DINITROTOLUENE	9/18/2019		Y	N	U		U	1800	310	ug/kg
B-8 (4-5)	L1941584-13	CHRYSENE	9/18/2019	61000	Y	Y				1100	190	ug/kg
B-8 (4-5)	L1941584-13	2,4-DINITROPHENOL	9/18/2019		Y	N	U		U	8700	840	ug/kg
B-8 (4-5)	L1941584-13	CARBAZOLE	9/18/2019	6100	Y	Y				1800	180	ug/kg
B-8 (4-5)	L1941584-13	2,4-DICHLOROPHENOL	9/18/2019		Y	N	U		U	1600	290	ug/kg
B-8 (4-5)	L1941584-13	2,4,6-TRICHLOROPHENOL	9/18/2019		Y	N	U		U	1100	340	ug/kg
B-8 (4-5)	L1941584-13	2,4,5-TRICHLOROPHENOL	9/18/2019		Y	N	U		U	1800	350	ug/kg
B-8 (4-5)	L1941584-13	1,4-DICHLOROBENZENE	9/18/2019		Y	N	U		U	1800	320	ug/kg
B-8 (4-5)	L1941584-13	1,3-DICHLOROBENZENE	9/18/2019		Y	N	U		U	1800	310	ug/kg
B-8 (4-5)	L1941584-13	1,2-DICHLOROBENZENE	9/18/2019		Y	N	U		U	1800	320	ug/kg
B-8 (4-5)	L1941584-13	1,2,4-TRICHLOROBENZENE	9/18/2019		Y	N	U		U	1800	210	ug/kg
B-8 (4-5)	L1941584-13	1,2,4,5-TETRACHLOROBENZENE	9/18/2019		Y	N	U		U	1800	190	ug/kg
B-8 (4-5)	L1941584-13	2,4-DINITROTOLUENE	9/18/2019		Y	N	U		U	1800	360	ug/kg
B-8 (4-5)	L1941584-13	N-NITROSODI-N-PROPYLAMINE	9/18/2019		Y	N	U		U	1800	280	ug/kg
B-8 (4-5)	L1941584-13	DIETHYL PHTHALATE	9/18/2019		Y	N	U		U	1800	170	ug/kg
B-8 (4-5)	L1941584-13	DIMETHYL PHTHALATE	9/18/2019		Y	N	U		U	1800	380	ug/kg
B-8 (4-5)	L1941584-13	HEXACHLOROBENZENE	9/18/2019		Y	N	U		U	1100	200	ug/kg
B-8 (4-5)	L1941584-13	HEXACHLOROBUTADIENE	9/18/2019		Y	N	U		U	1800	260	ug/kg
B-8 (4-5)	L1941584-13	2-CHLORONAPHTHALENE	9/18/2019		Y	N	U		U	1800	180	ug/kg
B-8 (4-5)	L1941584-13	HEXACHLOROETHANE	9/18/2019		Y	N	U		U	1400	290	ug/kg
B-8 (4-5)	L1941584-13	NITROSODIPHENYLAMINE(NDPA)/DPA	9/18/2019		Y	N	U		U	1400	210	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (4-5)	L1941584-13	P-CHLORO-M-CRESOL	9/18/2019		Y	N	U		U	1800	270	ug/kg
B-8 (4-5)	L1941584-13	PENTACHLOROPHENOL	9/18/2019		Y	N	U		U	1400	400	ug/kg
B-8 (4-5)	L1941584-13	UNKNOWN PAH	9/18/2019	40800	Y	Y	J		J			
B-8 (4-5)	L1941584-13	ACENAPHTHENE	9/18/2019	3400	Y	Y				1400	190	ug/kg
B-8 (4-5)	L1941584-13	ACENAPHTHYLENE	9/18/2019	12000	Y	Y				1400	280	ug/kg
B-8 (4-5)	L1941584-13	ANTHRACENE	9/18/2019	18000	Y	Y				1100	350	ug/kg
B-8 (4-5)	L1941584-13	BENZO(A)ANTHRACENE	9/18/2019	64000	Y	Y				1100	200	ug/kg
B-8 (4-5)	L1941584-13	BENZO(A)PYRENE	9/18/2019	56000	Y	Y				1400	440	ug/kg
B-8 (4-5)	L1941584-13	BENZO(B)FLUORANTHENE	9/18/2019	69000	Y	Y				1100	300	ug/kg
B-8 (4-5)	L1941584-13	BENZO(GHI)PERYLENE	9/18/2019	34000	Y	Y				1400	210	ug/kg
B-8 (4-5)	L1941584-13	BENZO(K)FLUORANTHENE	9/18/2019	25000	Y	Y				1100	290	ug/kg
B-8 (4-5)	L1941584-13	NITROBENZENE	9/18/2019		Y	N	U		U	1600	270	ug/kg
B-8 (4-5)	L1941584-13	PYRENE	9/18/2019	130000	Y	Y				5400	900	ug/kg
B-8 (4-5)	L1941584-13	PHENANTHRENE	9/18/2019	100000	Y	Y				5400	1100	ug/kg
B-8 (4-5)	L1941584-13	FLUORANTHENE	9/18/2019	150000	Y	Y				5400	1000	ug/kg
B-8 (5-6)	L1941584-14	ACETOPHENONE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-8 (5-6)	L1941584-14	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	260	28	ug/kg
B-8 (5-6)	L1941584-14	3-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-8 (5-6)	L1941584-14	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	470	86	ug/kg
B-8 (5-6)	L1941584-14	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	27	ug/kg
B-8 (5-6)	L1941584-14	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-8 (5-6)	L1941584-14	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	19	ug/kg
B-8 (5-6)	L1941584-14	4-NITROANILINE	9/17/2019		Y	N	U		U	180	74	ug/kg
B-8 (5-6)	L1941584-14	4-NITROPHENOL	9/17/2019		Y	N	U		U	250	73	ug/kg
B-8 (5-6)	L1941584-14	BENZOIC ACID	9/17/2019		Y	N	U		U	580	180	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (5-6)	L1941584-14	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	140	28	ug/kg
B-8 (5-6)	L1941584-14	2-NITROANILINE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-8 (5-6)	L1941584-14	ANTHRACENE	9/17/2019		Y	N	U		U	110	35	ug/kg
B-8 (5-6)	L1941584-14	BENZO(A)ANTHRACENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-8 (5-6)	L1941584-14	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	110	29	ug/kg
B-8 (5-6)	L1941584-14	BENZO(B)FLUORANTHENE	9/17/2019		Y	N	U		U	110	30	ug/kg
B-8 (5-6)	L1941584-14	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	17	ug/kg
B-8 (5-6)	L1941584-14	ACENAPHTHENE	9/17/2019		Y	N	U		U	140	19	ug/kg
B-8 (5-6)	L1941584-14	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	860	84	ug/kg
B-8 (5-6)	L1941584-14	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	19	ug/kg
B-8 (5-6)	L1941584-14	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	20	ug/kg
B-8 (5-6)	L1941584-14	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-8 (5-6)	L1941584-14	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-8 (5-6)	L1941584-14	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-8 (5-6)	L1941584-14	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	34	ug/kg
B-8 (5-6)	L1941584-14	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	34	ug/kg
B-8 (5-6)	L1941584-14	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	48	ug/kg
B-8 (5-6)	L1941584-14	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U	UJ	UJ	180	59	ug/kg
B-8 (5-6)	L1941584-14	2-NITROPHENOL	9/17/2019		Y	N	U		U	390	68	ug/kg
B-8 (5-6)	L1941584-14	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	36	ug/kg
B-8 (5-6)	L1941584-14	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-8 (5-6)	L1941584-14	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-8 (5-6)	L1941584-14	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	21	ug/kg
B-8 (5-6)	L1941584-14	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	220	22	ug/kg
B-8 (5-6)	L1941584-14	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (5-6)	L1941584-14	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	140	21	ug/kg
B-8 (5-6)	L1941584-14	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	29	ug/kg
B-8 (5-6)	L1941584-14	ISOPHORONE	9/17/2019		Y	N	U		U	160	23	ug/kg
B-8 (5-6)	L1941584-14	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	61	ug/kg
B-8 (5-6)	L1941584-14	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-8 (5-6)	L1941584-14	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-8 (5-6)	L1941584-14	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	28	ug/kg
B-8 (5-6)	L1941584-14	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	55	ug/kg
B-8 (5-6)	L1941584-14	NITROBENZENE	9/17/2019		Y	N	U		U	160	27	ug/kg
B-8 (5-6)	L1941584-14	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	140	44	ug/kg
B-8 (5-6)	L1941584-14	CARBAZOLE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-8 (5-6)	L1941584-14	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	20	ug/kg
B-8 (5-6)	L1941584-14	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-8 (5-6)	L1941584-14	PYRENE	9/17/2019		Y	N	U		U	110	18	ug/kg
B-8 (5-6)	L1941584-14	PHENOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-8 (5-6)	L1941584-14	PHENANTHRENE	9/17/2019		Y	N	U		U	110	22	ug/kg
B-8 (5-6)	L1941584-14	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	40	ug/kg
B-8 (5-6)	L1941584-14	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	140	25	ug/kg
B-8 (5-6)	L1941584-14	FLUORANTHENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-8 (5-6)	L1941584-14	BIPHENYL	9/17/2019		Y	N	U		U	410	42	ug/kg
B-8 (5-6)	L1941584-14	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	190	18	ug/kg
B-8 (5-6)	L1941584-14	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	24	ug/kg
B-8 (5-6)	L1941584-14	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	220	31	ug/kg
B-8 (5-6)	L1941584-14	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	62	ug/kg
B-8 (5-6)	L1941584-14	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	45	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-8 (5-6)	L1941584-14	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-8 (5-6)	L1941584-14	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	38	ug/kg
B-8 (5-6)	L1941584-14	CHRYSENE	9/17/2019		Y	N	U		U	110	19	ug/kg
B-8 (5-6)	L1941584-14	FLUORENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-8 (5-6)	L1941584-14	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-8 (5-6)	L1941584-14	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	26	ug/kg
B-8 (5-6)	L1941584-14	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U	UJ	UJ	510	160	ug/kg
B-8 (5-6)	L1941584-14	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	29	ug/kg
B-8 (5-6)	L1941584-14	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-9 (3-4)	L1941584-07	DIBENZOTHIOPHENE	9/17/2019	176	Y	Y	NJ		J			
B-9 (3-4)	L1941584-07	1,4-DIOXANE	9/17/2019		Y	N	U		U	28	8.5	ug/kg
B-9 (3-4)	L1941584-07	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	35	ug/kg
B-9 (3-4)	L1941584-07	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	35	ug/kg
B-9 (3-4)	L1941584-07	UNKNOWN PAH	9/17/2019	200	Y	Y	J		J			
B-9 (3-4)	L1941584-07	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	21	ug/kg
B-9 (3-4)	L1941584-07	UNKNOWN PAH	9/17/2019	530	Y	Y	J		J			
B-9 (3-4)	L1941584-07	UNKNOWN PAH	9/17/2019	292	Y	Y	J		J			
B-9 (3-4)	L1941584-07	UNKNOWN PAH	9/17/2019	346	Y	Y	J		J			
B-9 (3-4)	L1941584-07	UNKNOWN PAH	9/17/2019	482	Y	Y	J		J			
B-9 (3-4)	L1941584-07	UNKNOWN PHENANTHRENE	9/17/2019	243	Y	Y	J		J			
B-9 (3-4)	L1941584-07	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-9 (3-4)	L1941584-07	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	150	30	ug/kg
B-9 (3-4)	L1941584-07	ISOPHORONE	9/17/2019		Y	N	U		U	170	24	ug/kg
B-9 (3-4)	L1941584-07	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	150	21	ug/kg
B-9 (3-4)	L1941584-07	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	880	86	ug/kg

SDG: L1941584

Analytical Method	SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (3-4)	L1941584-07	NITROBENZENE	9/17/2019		Y	N	U		U	170	27	ug/kg
B-9 (3-4)	L1941584-07	UNKNOWN KETONE	9/17/2019	212	Y	Y	J		J			
B-9 (3-4)	L1941584-07	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	33	ug/kg
B-9 (3-4)	L1941584-07	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-9 (3-4)	L1941584-07	PHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
B-9 (3-4)	L1941584-07	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	39	ug/kg
B-9 (3-4)	L1941584-07	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-9 (3-4)	L1941584-07	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	63	ug/kg
B-9 (3-4)	L1941584-07	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	19	ug/kg
B-9 (3-4)	L1941584-07	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	150	40	ug/kg
B-9 (3-4)	L1941584-07	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U		U	530	170	ug/kg
B-9 (3-4)	L1941584-07	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-9 (3-4)	L1941584-07	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	27	ug/kg
B-9 (3-4)	L1941584-07	4-NITROPHENOL	9/17/2019		Y	N	U		U	260	75	ug/kg
B-9 (3-4)	L1941584-07	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
B-9 (3-4)	L1941584-07	2-NITROANILINE	9/17/2019		Y	N	U		U	180	36	ug/kg
B-9 (3-4)	L1941584-07	2-NITROPHENOL	9/17/2019		Y	N	U		U	400	69	ug/kg
B-9 (3-4)	L1941584-07	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	49	ug/kg
B-9 (3-4)	L1941584-07	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	260	29	ug/kg
B-9 (3-4)	L1941584-07	3-NITROANILINE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-9 (3-4)	L1941584-07	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	480	88	ug/kg
B-9 (3-4)	L1941584-07	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	28	ug/kg
B-9 (3-4)	L1941584-07	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-9 (3-4)	L1941584-07	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	170	30	ug/kg
B-9 (3-4)	L1941584-07	4-NITROANILINE	9/17/2019		Y	N	U		U	180	76	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (3-4)	L1941584-07	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	28	ug/kg
B-9 (3-4)	L1941584-07	ACETOPHENONE	9/17/2019		Y	N	U		U	180	23	ug/kg
B-9 (3-4)	L1941584-07	BENZOIC ACID	9/17/2019		Y	N	U		U	600	190	ug/kg
B-9 (3-4)	L1941584-07	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	56	ug/kg
B-9 (3-4)	L1941584-07	BIPHENYL	9/17/2019		Y	N	U		U	420	43	ug/kg
B-9 (3-4)	L1941584-07	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	200	18	ug/kg
B-9 (3-4)	L1941584-07	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	170	25	ug/kg
B-9 (3-4)	L1941584-07	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	220	32	ug/kg
B-9 (3-4)	L1941584-07	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	46	ug/kg
B-9 (3-4)	L1941584-07	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	35	ug/kg
B-9 (3-4)	L1941584-07	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	20	ug/kg
B-9 (3-4)	L1941584-07	TOTAL TIC COMPOUNDS	9/17/2019	4480	Y	Y	J		J			
B-9 (3-4)	L1941584-07	UNKNOWN	9/17/2019	404	Y	Y	J		J			
B-9 (3-4)	L1941584-07	UNKNOWN	9/17/2019	214	Y	Y	J		J			
B-9 (3-4)	L1941584-07	UNKNOWN	9/17/2019	159	Y	Y	J		J			
B-9 (3-4)	L1941584-07	UNKNOWN	9/17/2019	173	Y	Y	J		J			
B-9 (3-4)	L1941584-07	UNKNOWN	9/17/2019	193	Y	Y	J		J			
B-9 (3-4)	L1941584-07	UNKNOWN	9/17/2019	682	Y	Y	J		J			
B-9 (3-4)	L1941584-07	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	61	ug/kg
B-9 (3-4)	L1941584-07	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	37	ug/kg
B-9 (3-4)	L1941584-07	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-9 (3-4)	L1941584-07	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	22	ug/kg
B-9 (3-4)	L1941584-07	NAPHTHALENE	9/17/2019	150	Y	Y	J		J	180	22	ug/kg
B-9 (3-4)	L1941584-07	1,4-DICHLOROBENZENE	9/17/2019	33	Y	Y	J		J	180	32	ug/kg
B-9 (3-4)	L1941584-07	2-METHYLNAPHTHALENE	9/17/2019	41	Y	Y	J		J	220	22	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (3-4)	L1941584-07	ACENAPHTHENE	9/17/2019	64	Y	Y	J		J	150	19	ug/kg
B-9 (3-4)	L1941584-07	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019	140	Y	Y	J		J	180	64	ug/kg
B-9 (3-4)	L1941584-07	DIBENZOFURAN	9/17/2019	85	Y	Y	J		J	180	17	ug/kg
B-9 (3-4)	L1941584-07	FLUORENE	9/17/2019	100	Y	Y	J		J	180	18	ug/kg
B-9 (3-4)	L1941584-07	UNKNOWN	9/17/2019	176	Y	Y	J		J			
B-9 (3-4)	L1941584-07	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-9 (3-4)	L1941584-07	BENZO(GHI)PERYLENE	9/17/2019	1100	Y	Y				150	22	ug/kg
B-9 (3-4)	L1941584-07	ACENAPHTHYLENE	9/17/2019	370	Y	Y				150	28	ug/kg
B-9 (3-4)	L1941584-07	ANTHRACENE	9/17/2019	490	Y	Y				110	36	ug/kg
B-9 (3-4)	L1941584-07	BENZO(A)ANTHRACENE	9/17/2019	1700	Y	Y				110	21	ug/kg
B-9 (3-4)	L1941584-07	BENZO(B)FLUORANTHENE	9/17/2019	2100	Y	Y				110	31	ug/kg
B-9 (3-4)	L1941584-07	PYRENE	9/17/2019	3600	Y	Y				110	18	ug/kg
B-9 (3-4)	L1941584-07	PHENANTHRENE	9/17/2019	2400	Y	Y				110	22	ug/kg
B-9 (3-4)	L1941584-07	INDENO(1,2,3-CD)PYRENE	9/17/2019	1100	Y	Y				150	26	ug/kg
B-9 (3-4)	L1941584-07	FLUORANTHENE	9/17/2019	4100	Y	Y				110	21	ug/kg
B-9 (3-4)	L1941584-07	DIBENZO(A,H)ANTHRACENE	9/17/2019	250	Y	Y				110	21	ug/kg
B-9 (3-4)	L1941584-07	CHRYSENE	9/17/2019	1800	Y	Y				110	19	ug/kg
B-9 (3-4)	L1941584-07	CARBAZOLE	9/17/2019	180	Y	Y				180	18	ug/kg
B-9 (3-4)	L1941584-07	BENZO(K)FLUORANTHENE	9/17/2019	700	Y	Y				110	30	ug/kg
B-9 (3-4)	L1941584-07	BENZO(A)PYRENE	9/17/2019	1600	Y	Y				150	45	ug/kg
B-9 (6-7)	L1941584-08	BENZO(B)FLUORANTHENE	9/17/2019		Y	N	U		U	110	30	ug/kg
B-9 (6-7)	L1941584-08	PYRENE	9/17/2019		Y	N	U		U	110	18	ug/kg
B-9 (6-7)	L1941584-08	TOTAL TIC COMPOUNDS	9/17/2019	560	Y	Y	J		J			
B-9 (6-7)	L1941584-08	UNKNOWN PHENOL	9/17/2019	560	Y	Y	J		J			
B-9 (6-7)	L1941584-08	1,4-DIOXANE	9/17/2019		Y	N	U		U	27	8.2	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (6-7)	L1941584-08	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-9 (6-7)	L1941584-08	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	26	ug/kg
B-9 (6-7)	L1941584-08	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U		U	510	160	ug/kg
B-9 (6-7)	L1941584-08	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	29	ug/kg
B-9 (6-7)	L1941584-08	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	19	ug/kg
B-9 (6-7)	L1941584-08	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	20	ug/kg
B-9 (6-7)	L1941584-08	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-9 (6-7)	L1941584-08	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
B-9 (6-7)	L1941584-08	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-9 (6-7)	L1941584-08	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	37	ug/kg
B-9 (6-7)	L1941584-08	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	34	ug/kg
B-9 (6-7)	L1941584-08	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	34	ug/kg
B-9 (6-7)	L1941584-08	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	29	ug/kg
B-9 (6-7)	L1941584-08	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	59	ug/kg
B-9 (6-7)	L1941584-08	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	26	ug/kg
B-9 (6-7)	L1941584-08	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	36	ug/kg
B-9 (6-7)	L1941584-08	BENZO(A)PYRENE	9/17/2019		Y	N	U		U	140	44	ug/kg
B-9 (6-7)	L1941584-08	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-9 (6-7)	L1941584-08	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	45	ug/kg
B-9 (6-7)	L1941584-08	BENZO(GHI)PERYLENE	9/17/2019		Y	N	U		U	140	21	ug/kg
B-9 (6-7)	L1941584-08	BENZO(K)FLUORANTHENE	9/17/2019		Y	N	U		U	110	28	ug/kg
B-9 (6-7)	L1941584-08	BENZOIC ACID	9/17/2019		Y	N	U		U	580	180	ug/kg
B-9 (6-7)	L1941584-08	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	55	ug/kg
B-9 (6-7)	L1941584-08	BIPHENYL	9/17/2019		Y	N	U		U	410	41	ug/kg
B-9 (6-7)	L1941584-08	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	190	18	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (6-7)	L1941584-08	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	24	ug/kg
B-9 (6-7)	L1941584-08	FLUORENE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-9 (6-7)	L1941584-08	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	62	ug/kg
B-9 (6-7)	L1941584-08	FLUORANTHENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-9 (6-7)	L1941584-08	CARBAZOLE	9/17/2019		Y	N	U		U	180	17	ug/kg
B-9 (6-7)	L1941584-08	CHRYSENE	9/17/2019		Y	N	U		U	110	18	ug/kg
B-9 (6-7)	L1941584-08	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-9 (6-7)	L1941584-08	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	61	ug/kg
B-9 (6-7)	L1941584-08	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	110	21	ug/kg
B-9 (6-7)	L1941584-08	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	17	ug/kg
B-9 (6-7)	L1941584-08	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	16	ug/kg
B-9 (6-7)	L1941584-08	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	31	ug/kg
B-9 (6-7)	L1941584-08	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	210	30	ug/kg
B-9 (6-7)	L1941584-08	ACETOPHENONE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-9 (6-7)	L1941584-08	NITROBENZENE	9/17/2019		Y	N	U		U	160	26	ug/kg
B-9 (6-7)	L1941584-08	PHENANTHRENE	9/17/2019		Y	N	U		U	110	22	ug/kg
B-9 (6-7)	L1941584-08	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
B-9 (6-7)	L1941584-08	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	20	ug/kg
B-9 (6-7)	L1941584-08	ISOPHORONE	9/17/2019		Y	N	U		U	160	23	ug/kg
B-9 (6-7)	L1941584-08	INDENO(1,2,3-CD)PYRENE	9/17/2019		Y	N	U		U	140	25	ug/kg
B-9 (6-7)	L1941584-08	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	860	83	ug/kg
B-9 (6-7)	L1941584-08	PHENOL	9/17/2019		Y	N	U		U	180	27	ug/kg
B-9 (6-7)	L1941584-08	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	21	ug/kg
B-9 (6-7)	L1941584-08	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	39	ug/kg
B-9 (6-7)	L1941584-08	ANTHRACENE	9/17/2019		Y	N	U		U	110	35	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
B-9 (6-7)	L1941584-08	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	140	28	ug/kg
B-9 (6-7)	L1941584-08	ACENAPHTHENE	9/17/2019		Y	N	U		U	140	18	ug/kg
B-9 (6-7)	L1941584-08	4-NITROPHENOL	9/17/2019		Y	N	U		U	250	73	ug/kg
B-9 (6-7)	L1941584-08	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	28	ug/kg
B-9 (6-7)	L1941584-08	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	47	ug/kg
B-9 (6-7)	L1941584-08	BENZO(A)ANTHRACENE	9/17/2019		Y	N	U		U	110	20	ug/kg
B-9 (6-7)	L1941584-08	2-NITROPHENOL	9/17/2019		Y	N	U		U	380	67	ug/kg
B-9 (6-7)	L1941584-08	4-NITROANILINE	9/17/2019		Y	N	U		U	180	74	ug/kg
B-9 (6-7)	L1941584-08	2-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-9 (6-7)	L1941584-08	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	260	28	ug/kg
B-9 (6-7)	L1941584-08	3-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
B-9 (6-7)	L1941584-08	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	460	86	ug/kg
B-9 (6-7)	L1941584-08	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	27	ug/kg
B-9 (6-7)	L1941584-08	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	210	22	ug/kg
B-9 (6-7)	L1941584-08	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	32	ug/kg
B-9 (6-7)	L1941584-08	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	19	ug/kg
B-9 (6-7)	L1941584-08	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
DUP	L1941584-17	INDENO(1,2,3-CD)PYRENE	9/18/2019	33	Y	Y	J		J	140	25	ug/kg
DUP	L1941584-17	BENZO(A)ANTHRACENE	9/18/2019	44	Y	Y	J		J	110	20	ug/kg
DUP	L1941584-17	BENZO(B)FLUORANTHENE	9/18/2019	56	Y	Y	J		J	110	30	ug/kg
DUP	L1941584-17	BENZO(GHI)PERYLENE	9/18/2019	33	Y	Y	J		J	140	21	ug/kg
DUP	L1941584-17	FLUORANTHENE	9/18/2019	97	Y	Y	J		J	110	21	ug/kg
DUP	L1941584-17	PHENANTHRENE	9/18/2019	64	Y	Y	J		J	110	22	ug/kg
DUP	L1941584-17	PYRENE	9/18/2019	88	Y	Y	J		J	110	18	ug/kg
DUP	L1941584-17	CHRYSENE	9/18/2019	50	Y	Y	J		J	110	19	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP	L1941584-17	4-BROMOPHENYL PHENYL ETHER	9/18/2019		Y	N	U		U	180	28	ug/kg
DUP	L1941584-17	BENZYL ALCOHOL	9/18/2019		Y	N	U		U	180	55	ug/kg
DUP	L1941584-17	BENZOIC ACID	9/18/2019		Y	N	U		U	580	180	ug/kg
DUP	L1941584-17	BENZO(K)FLUORANTHENE	9/18/2019		Y	N	U		U	110	29	ug/kg
DUP	L1941584-17	BENZO(A)PYRENE	9/18/2019		Y	N	U		U	140	44	ug/kg
DUP	L1941584-17	ANTHRACENE	9/18/2019		Y	N	U		U	110	35	ug/kg
DUP	L1941584-17	ACETOPHENONE	9/18/2019		Y	N	U		U	180	22	ug/kg
DUP	L1941584-17	ACENAPHTHYLENE	9/18/2019		Y	N	U		U	140	28	ug/kg
DUP	L1941584-17	ACENAPHTHENE	9/18/2019		Y	N	U		U	140	19	ug/kg
DUP	L1941584-17	4-NITROPHENOL	9/18/2019		Y	N	U		U	250	74	ug/kg
DUP	L1941584-17	4-NITROANILINE	9/18/2019		Y	N	U		U	180	75	ug/kg
DUP	L1941584-17	2,4-DINITROTOLUENE	9/18/2019		Y	N	U		U	180	36	ug/kg
DUP	L1941584-17	4-CHLOROANILINE	9/18/2019		Y	N	U		U	180	33	ug/kg
DUP	L1941584-17	BIS(2-CHLOROETHYL)ETHER	9/18/2019		Y	N	U		U	160	24	ug/kg
DUP	L1941584-17	4,6-DINITRO-O-CRESOL	9/18/2019		Y	N	U		U	470	86	ug/kg
DUP	L1941584-17	3-NITROANILINE	9/18/2019		Y	N	U		U	180	34	ug/kg
DUP	L1941584-17	3-METHYLPHENOL/4-METHYLPHENOL	9/18/2019		Y	N	U		U	260	28	ug/kg
DUP	L1941584-17	3,3'-DICHLOROBENZIDINE	9/18/2019		Y	N	U		U	180	48	ug/kg
DUP	L1941584-17	2-NITROPHENOL	9/18/2019		Y	N	U		U	390	68	ug/kg
DUP	L1941584-17	2-NITROANILINE	9/18/2019		Y	N	U		U	180	35	ug/kg
DUP	L1941584-17	2-METHYLPHENOL	9/18/2019		Y	N	U		U	180	28	ug/kg
DUP	L1941584-17	2-METHYLNAPHTHALENE	9/18/2019		Y	N	U		U	220	22	ug/kg
DUP	L1941584-17	1,2,4,5-TETRACHLOROBENZENE	9/18/2019		Y	N	U		U	180	19	ug/kg
DUP	L1941584-17	2-CHLORONAPHTHALENE	9/18/2019		Y	N	U		U	180	18	ug/kg
DUP	L1941584-17	4-CHLOROPHENYL PHENYL ETHER	9/18/2019		Y	N	U		U	180	19	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP	L1941584-17	NITROSODIPHENYLAMINE(NDPA)/DPA	9/18/2019		Y	N	U		U	140	20	ug/kg
DUP	L1941584-17	DI-N-BUTYLPHTHALATE	9/18/2019		Y	N	U		U	180	34	ug/kg
DUP	L1941584-17	DI-N-OCTYLPHTHALATE	9/18/2019		Y	N	U		U	180	61	ug/kg
DUP	L1941584-17	DIBENZO(A,H)ANTHRACENE	9/18/2019		Y	N	U		U	110	21	ug/kg
DUP	L1941584-17	DIBENZOFURAN	9/18/2019		Y	N	U		U	180	17	ug/kg
DUP	L1941584-17	DIETHYL PHTHALATE	9/18/2019		Y	N	U		U	180	17	ug/kg
DUP	L1941584-17	DIMETHYL PHTHALATE	9/18/2019		Y	N	U		U	180	38	ug/kg
DUP	L1941584-17	FLUORENE	9/18/2019		Y	N	U		U	180	18	ug/kg
DUP	L1941584-17	HEXACHLOROBENZENE	9/18/2019		Y	N	U		U	110	20	ug/kg
DUP	L1941584-17	HEXACHLOROBUTADIENE	9/18/2019		Y	N	U		U	180	26	ug/kg
DUP	L1941584-17	HEXACHLOROCYCLOPENTADIENE	9/18/2019		Y	N	U		U	520	160	ug/kg
DUP	L1941584-17	BIPHENYL	9/18/2019		Y	N	U		U	410	42	ug/kg
DUP	L1941584-17	ISOPHORONE	9/18/2019		Y	N	U		U	160	23	ug/kg
DUP	L1941584-17	BIS(2-CHLOROETHOXY)METHANE	9/18/2019		Y	N	U		U	190	18	ug/kg
DUP	L1941584-17	NAPHTHALENE	9/18/2019		Y	N	U		U	180	22	ug/kg
DUP	L1941584-17	NITROBENZENE	9/18/2019		Y	N	U		U	160	27	ug/kg
DUP	L1941584-17	PENTACHLOROPHENOL	9/18/2019		Y	N	U		U	140	40	ug/kg
DUP	L1941584-17	PHENOL	9/18/2019		Y	N	U		U	180	27	ug/kg
DUP	L1941584-17	N-NITROSODI-N-PROPYLAMINE	9/18/2019		Y	N	U		U	180	28	ug/kg
DUP	L1941584-17	P-CHLORO-M-CRESOL	9/18/2019		Y	N	U		U	180	27	ug/kg
DUP	L1941584-17	CARBAZOLE	9/18/2019		Y	N	U		U	180	18	ug/kg
DUP	L1941584-17	BUTYL BENZYL PHTHALATE	9/18/2019		Y	N	U		U	180	45	ug/kg
DUP	L1941584-17	BIS(2-ETHYLHEXYL)PHTHALATE	9/18/2019		Y	N	U		U	180	62	ug/kg
DUP	L1941584-17	BIS(2-CHLOROISOPROPYL)ETHER	9/18/2019		Y	N	U	UJ	UJ	220	31	ug/kg
DUP	L1941584-17	2,6-DINITROTOLUENE	9/18/2019		Y	N	U		U	180	31	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP	L1941584-17	HEXACHLOROETHANE	9/18/2019		Y	N	U		U	140	29	ug/kg
DUP	L1941584-17	1,2-DICHLOROBENZENE	9/18/2019		Y	N	U		U	180	32	ug/kg
DUP	L1941584-17	UNKNOWN	9/18/2019	1310	Y	Y	J		J			
DUP	L1941584-17	UNKNOWN	9/18/2019	1470	Y	Y	J		J			
DUP	L1941584-17	UNKNOWN	9/18/2019	1440	Y	Y	J		J			
DUP	L1941584-17	UNKNOWN	9/18/2019	1120	Y	Y	J		J			
DUP	L1941584-17	1,2,4-TRICHLOROBENZENE	9/18/2019		Y	N	U		U	180	21	ug/kg
DUP	L1941584-17	1,3-DICHLOROBENZENE	9/18/2019		Y	N	U		U	180	31	ug/kg
DUP	L1941584-17	1,4-DICHLOROBENZENE	9/18/2019		Y	N	U		U	180	31	ug/kg
DUP	L1941584-17	2,4,5-TRICHLOROPHENOL	9/18/2019		Y	N	U		U	180	34	ug/kg
DUP	L1941584-17	2,4,6-TRICHLOROPHENOL	9/18/2019		Y	N	U		U	110	34	ug/kg
DUP	L1941584-17	2,4-DICHLOROPHENOL	9/18/2019		Y	N	U		U	160	29	ug/kg
DUP	L1941584-17	2,4-DINITROPHENOL	9/18/2019		Y	N	U		U	860	84	ug/kg
DUP	L1941584-17	2-CHLOROPHENOL	9/18/2019		Y	N	U		U	180	21	ug/kg
DUP	L1941584-17	2,4-DIMETHYLPHENOL	9/18/2019		Y	N	U		U	180	60	ug/kg
DUP	L1941584-17	TOTAL TIC COMPOUNDS	9/18/2019	5340	Y	Y	J		J			
WC-A-3 (0-5)	L1941584-01	CARBAZOLE	9/17/2019	49	Y	Y	J		J	190	19	ug/kg
WC-A-3 (0-5)	L1941584-01	2-METHYLNAPHTHALENE	9/17/2019	27	Y	Y	J		J	230	23	ug/kg
WC-A-3 (0-5)	L1941584-01	ACENAPHTHYLENE	9/17/2019	120	Y	Y	J		J	150	30	ug/kg
WC-A-3 (0-5)	L1941584-01	UNKNOWN	9/17/2019	343	Y	Y	J		J			
WC-A-3 (0-5)	L1941584-01	ACENAPHTHENE	9/17/2019	25	Y	Y	J		J	150	20	ug/kg
WC-A-3 (0-5)	L1941584-01	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	190	59	ug/kg
WC-A-3 (0-5)	L1941584-01	DIBENZO(A,H)ANTHRACENE	9/17/2019	99	Y	Y	J		J	110	22	ug/kg
WC-A-3 (0-5)	L1941584-01	TOTAL TIC COMPOUNDS	9/17/2019	343	Y	Y	J		J			
WC-A-3 (0-5)	L1941584-01	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	190	18	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-3 (0-5)	L1941584-01	ACETOPHENONE	9/17/2019		Y	N	U		U	190	24	ug/kg
WC-A-3 (0-5)	L1941584-01	4-CHLOROANILINE	9/17/2019		Y	N	U		U	190	35	ug/kg
WC-A-3 (0-5)	L1941584-01	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	190	20	ug/kg
WC-A-3 (0-5)	L1941584-01	4-NITROANILINE	9/17/2019		Y	N	U		U	190	79	ug/kg
WC-A-3 (0-5)	L1941584-01	4-NITROPHENOL	9/17/2019		Y	N	U		U	270	78	ug/kg
WC-A-3 (0-5)	L1941584-01	BENZOIC ACID	9/17/2019		Y	N	U		U	620	190	ug/kg
WC-A-3 (0-5)	L1941584-01	BIPHENYL	9/17/2019		Y	N	U		U	440	44	ug/kg
WC-A-3 (0-5)	L1941584-01	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	210	19	ug/kg
WC-A-3 (0-5)	L1941584-01	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	170	26	ug/kg
WC-A-3 (0-5)	L1941584-01	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	230	33	ug/kg
WC-A-3 (0-5)	L1941584-01	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	190	66	ug/kg
WC-A-3 (0-5)	L1941584-01	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	190	48	ug/kg
WC-A-3 (0-5)	L1941584-01	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	500	92	ug/kg
WC-A-3 (0-5)	L1941584-01	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	190	65	ug/kg
WC-A-3 (0-5)	L1941584-01	3-NITROANILINE	9/17/2019		Y	N	U		U	190	36	ug/kg
WC-A-3 (0-5)	L1941584-01	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	190	40	ug/kg
WC-A-3 (0-5)	L1941584-01	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	21	ug/kg
WC-A-3 (0-5)	L1941584-01	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	190	28	ug/kg
WC-A-3 (0-5)	L1941584-01	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U		U	550	170	ug/kg
WC-A-3 (0-5)	L1941584-01	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	150	31	ug/kg
WC-A-3 (0-5)	L1941584-01	ISOPHORONE	9/17/2019		Y	N	U		U	170	25	ug/kg
WC-A-3 (0-5)	L1941584-01	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	150	22	ug/kg
WC-A-3 (0-5)	L1941584-01	NITROBENZENE	9/17/2019		Y	N	U		U	170	28	ug/kg
WC-A-3 (0-5)	L1941584-01	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	150	42	ug/kg
WC-A-3 (0-5)	L1941584-01	PHENOL	9/17/2019		Y	N	U		U	190	29	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-3 (0-5)	L1941584-01	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	190	30	ug/kg
WC-A-3 (0-5)	L1941584-01	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	190	28	ug/kg
WC-A-3 (0-5)	L1941584-01	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	190	36	ug/kg
WC-A-3 (0-5)	L1941584-01	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	190	37	ug/kg
WC-A-3 (0-5)	L1941584-01	FLUORENE	9/17/2019	24	Y	Y	J		J	190	19	ug/kg
WC-A-3 (0-5)	L1941584-01	NAPHTHALENE	9/17/2019	70	Y	Y	J		J	190	23	ug/kg
WC-A-3 (0-5)	L1941584-01	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	190	20	ug/kg
WC-A-3 (0-5)	L1941584-01	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	190	22	ug/kg
WC-A-3 (0-5)	L1941584-01	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	190	34	ug/kg
WC-A-3 (0-5)	L1941584-01	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	190	29	ug/kg
WC-A-3 (0-5)	L1941584-01	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	190	33	ug/kg
WC-A-3 (0-5)	L1941584-01	DIBENZOFURAN	9/17/2019	22	Y	Y	J		J	190	18	ug/kg
WC-A-3 (0-5)	L1941584-01	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	36	ug/kg
WC-A-3 (0-5)	L1941584-01	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	170	31	ug/kg
WC-A-3 (0-5)	L1941584-01	2-NITROPHENOL	9/17/2019		Y	N	U		U	410	72	ug/kg
WC-A-3 (0-5)	L1941584-01	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	920	89	ug/kg
WC-A-3 (0-5)	L1941584-01	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	190	38	ug/kg
WC-A-3 (0-5)	L1941584-01	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	190	33	ug/kg
WC-A-3 (0-5)	L1941584-01	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	190	19	ug/kg
WC-A-3 (0-5)	L1941584-01	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	190	23	ug/kg
WC-A-3 (0-5)	L1941584-01	2-METHYLPHENOL	9/17/2019		Y	N	U		U	190	30	ug/kg
WC-A-3 (0-5)	L1941584-01	2-NITROANILINE	9/17/2019		Y	N	U		U	190	37	ug/kg
WC-A-3 (0-5)	L1941584-01	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	190	63	ug/kg
WC-A-3 (0-5)	L1941584-01	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	190	33	ug/kg
WC-A-3 (0-5)	L1941584-01	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	280	30	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-3 (0-5)	L1941584-01	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	190	51	ug/kg
WC-A-3 (0-5)	L1941584-01	BENZO(GHI)PERYLENE	9/17/2019	410	Y	Y				150	22	ug/kg
WC-A-3 (0-5)	L1941584-01	PYRENE	9/17/2019	890	Y	Y				110	19	ug/kg
WC-A-3 (0-5)	L1941584-01	PHENANTHRENE	9/17/2019	400	Y	Y				110	23	ug/kg
WC-A-3 (0-5)	L1941584-01	INDENO(1,2,3-CD)PYRENE	9/17/2019	400	Y	Y				150	27	ug/kg
WC-A-3 (0-5)	L1941584-01	FLUORANTHENE	9/17/2019	990	Y	Y				110	22	ug/kg
WC-A-3 (0-5)	L1941584-01	BENZO(K)FLUORANTHENE	9/17/2019	260	Y	Y				110	31	ug/kg
WC-A-3 (0-5)	L1941584-01	BENZO(A)PYRENE	9/17/2019	580	Y	Y				150	47	ug/kg
WC-A-3 (0-5)	L1941584-01	BENZO(A)ANTHRACENE	9/17/2019	550	Y	Y				110	22	ug/kg
WC-A-3 (0-5)	L1941584-01	ANTHRACENE	9/17/2019	120	Y	Y				110	37	ug/kg
WC-A-3 (0-5)	L1941584-01	BENZO(B)FLUORANTHENE	9/17/2019	780	Y	Y				110	32	ug/kg
WC-A-3 (0-5)	L1941584-01	CHRYSENE	9/17/2019	530	Y	Y				110	20	ug/kg
WC-A-4 (0-6)	L1941584-02	NITROBENZENE	9/17/2019		Y	N	U		U	170	28	ug/kg
WC-A-4 (0-6)	L1941584-02	BENZO(B)FLUORANTHENE	9/17/2019	7900	Y	Y	E			110	32	ug/kg
WC-A-4 (0-6)	L1941584-02	FLUORANTHENE	9/17/2019	12000	Y	Y	E			110	21	ug/kg
WC-A-4 (0-6)	L1941584-02	PHENANTHRENE	9/17/2019	7600	Y	Y	E			110	23	ug/kg
WC-A-4 (0-6)	L1941584-02	PYRENE	9/17/2019	12000	Y	Y	E			110	18	ug/kg
WC-A-4 (0-6)	L1941584-02	NAPHTHALENE	9/17/2019	120	Y	Y	J		J	190	23	ug/kg
WC-A-4 (0-6)	L1941584-02	2-METHYLNAPHTHALENE	9/17/2019	48	Y	Y	J		J	220	22	ug/kg
WC-A-4 (0-6)	L1941584-02	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	190	32	ug/kg
WC-A-4 (0-6)	L1941584-02	4-CHLOROANILINE	9/17/2019		Y	N	U		U	190	34	ug/kg
WC-A-4 (0-6)	L1941584-02	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	190	28	ug/kg
WC-A-4 (0-6)	L1941584-02	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	490	90	ug/kg
WC-A-4 (0-6)	L1941584-02	3-NITROANILINE	9/17/2019		Y	N	U		U	190	35	ug/kg
WC-A-4 (0-6)	L1941584-02	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	270	29	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-4 (0-6)	L1941584-02	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	190	50	ug/kg
WC-A-4 (0-6)	L1941584-02	2-NITROPHENOL	9/17/2019		Y	N	U		U	400	70	ug/kg
WC-A-4 (0-6)	L1941584-02	2-NITROANILINE	9/17/2019		Y	N	U		U	190	36	ug/kg
WC-A-4 (0-6)	L1941584-02	2-METHYLPHENOL	9/17/2019		Y	N	U		U	190	29	ug/kg
WC-A-4 (0-6)	L1941584-02	UNKNOWN PAH	9/17/2019	1020	Y	Y	J		J			
WC-A-4 (0-6)	L1941584-02	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	190	18	ug/kg
WC-A-4 (0-6)	L1941584-02	BENZOIC ACID	9/17/2019		Y	N	U		U	610	190	ug/kg
WC-A-4 (0-6)	L1941584-02	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	190	37	ug/kg
WC-A-4 (0-6)	L1941584-02	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	900	87	ug/kg
WC-A-4 (0-6)	L1941584-02	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	190	62	ug/kg
WC-A-4 (0-6)	L1941584-02	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	170	30	ug/kg
WC-A-4 (0-6)	L1941584-02	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	35	ug/kg
WC-A-4 (0-6)	L1941584-02	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	190	36	ug/kg
WC-A-4 (0-6)	L1941584-02	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	190	33	ug/kg
WC-A-4 (0-6)	L1941584-02	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	190	32	ug/kg
WC-A-4 (0-6)	L1941584-02	UNKNOWN THIOPHENE	9/17/2019	622	Y	Y	J		J			
WC-A-4 (0-6)	L1941584-02	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	190	22	ug/kg
WC-A-4 (0-6)	L1941584-02	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	190	17	ug/kg
WC-A-4 (0-6)	L1941584-02	ISOPHORONE	9/17/2019		Y	N	U		U	170	24	ug/kg
WC-A-4 (0-6)	L1941584-02	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	190	28	ug/kg
WC-A-4 (0-6)	L1941584-02	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	190	29	ug/kg
WC-A-4 (0-6)	L1941584-02	PHENOL	9/17/2019		Y	N	U		U	190	28	ug/kg
WC-A-4 (0-6)	L1941584-02	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	150	41	ug/kg
WC-A-4 (0-6)	L1941584-02	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	150	21	ug/kg
WC-A-4 (0-6)	L1941584-02	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	150	30	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-4 (0-6)	L1941584-02	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U		U	540	170	ug/kg
WC-A-4 (0-6)	L1941584-02	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	190	27	ug/kg
WC-A-4 (0-6)	L1941584-02	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	190	20	ug/kg
WC-A-4 (0-6)	L1941584-02	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	190	39	ug/kg
WC-A-4 (0-6)	L1941584-02	4-NITROPHENOL	9/17/2019		Y	N	U		U	260	76	ug/kg
WC-A-4 (0-6)	L1941584-02	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	190	64	ug/kg
WC-A-4 (0-6)	L1941584-02	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	190	35	ug/kg
WC-A-4 (0-6)	L1941584-02	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	190	47	ug/kg
WC-A-4 (0-6)	L1941584-02	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	190	65	ug/kg
WC-A-4 (0-6)	L1941584-02	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	220	32	ug/kg
WC-A-4 (0-6)	L1941584-02	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	170	25	ug/kg
WC-A-4 (0-6)	L1941584-02	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	200	19	ug/kg
WC-A-4 (0-6)	L1941584-02	BIPHENYL	9/17/2019		Y	N	U		U	430	43	ug/kg
WC-A-4 (0-6)	L1941584-02	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	190	57	ug/kg
WC-A-4 (0-6)	L1941584-02	4-NITROANILINE	9/17/2019		Y	N	U		U	190	77	ug/kg
WC-A-4 (0-6)	L1941584-02	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	21	ug/kg
WC-A-4 (0-6)	L1941584-02	UNKNOWN	9/17/2019	207	Y	Y	J		J			
WC-A-4 (0-6)	L1941584-02	ACETOPHENONE	9/17/2019		Y	N	U		U	190	23	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	190	20	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	190	21	ug/kg
WC-A-4 (0-6)	L1941584-02	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	190	34	ug/kg
WC-A-4 (0-6)	L1941584-02	TOTAL TIC COMPOUNDS	9/17/2019	9230	Y	Y	J		J			
WC-A-4 (0-6)	L1941584-02	UNKNOWN	9/17/2019	304	Y	Y	J		J			
WC-A-4 (0-6)	L1941584-02	UNKNOWN PAH	9/17/2019	845	Y	Y	J		J			
WC-A-4 (0-6)	L1941584-02	UNKNOWN	9/17/2019	299	Y	Y	J		J			

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-4 (0-6)	L1941584-02	UNKNOWN	9/17/2019	709	Y	Y	J		J			
WC-A-4 (0-6)	L1941584-02	UNKNOWN	9/17/2019	843	Y	Y	J		J			
WC-A-4 (0-6)	L1941584-02	UNKNOWN	9/17/2019	383	Y	Y	J		J			
WC-A-4 (0-6)	L1941584-02	UNKNOWN KETONE	9/17/2019	407	Y	Y	J		J			
WC-A-4 (0-6)	L1941584-02	UNKNOWN KETONE	9/17/2019	385	Y	Y	J		J			
WC-A-4 (0-6)	L1941584-02	UNKNOWN PAH	9/17/2019	728	Y	Y	J		J			
WC-A-4 (0-6)	L1941584-02	UNKNOWN PAH	9/17/2019	1540	Y	Y	J		J			
WC-A-4 (0-6)	L1941584-02	UNKNOWN PAH	9/17/2019	325	Y	Y	J		J			
WC-A-4 (0-6)	L1941584-02	UNKNOWN	9/17/2019	616	Y	Y	J		J			
WC-A-4 (0-6)	L1941584-02	ACENAPHTHENE	9/17/2019	520	Y	Y				150	19	ug/kg
WC-A-4 (0-6)	L1941584-02	BENZO(K)FLUORANTHENE	9/17/2019	1800	Y	Y				110	30	ug/kg
WC-A-4 (0-6)	L1941584-02	BENZO(GHI)PERYLENE	9/17/2019	4100	Y	Y				150	22	ug/kg
WC-A-4 (0-6)	L1941584-02	BENZO(A)PYRENE	9/17/2019	5800	Y	Y				150	46	ug/kg
WC-A-4 (0-6)	L1941584-02	BENZO(A)ANTHRACENE	9/17/2019	6000	Y	Y				110	21	ug/kg
WC-A-4 (0-6)	L1941584-02	ANTHRACENE	9/17/2019	2200	Y	Y				110	36	ug/kg
WC-A-4 (0-6)	L1941584-02	CHRYSENE	9/17/2019	5300	Y	Y				110	19	ug/kg
WC-A-4 (0-6)	L1941584-02	DIBENZO(A,H)ANTHRACENE	9/17/2019	830	Y	Y				110	22	ug/kg
WC-A-4 (0-6)	L1941584-02	DIBENZOFURAN	9/17/2019	250	Y	Y				190	18	ug/kg
WC-A-4 (0-6)	L1941584-02	ACENAPHTHYLENE	9/17/2019	600	Y	Y				150	29	ug/kg
WC-A-4 (0-6)	L1941584-02	INDENO(1,2,3-CD)PYRENE	9/17/2019	4000	Y	Y				150	26	ug/kg
WC-A-4 (0-6)	L1941584-02	CARBAZOLE	9/17/2019	680	Y	Y				190	18	ug/kg
WC-A-4 (0-6)	L1941584-02	FLUORENE	9/17/2019	500	Y	Y				190	18	ug/kg
WC-A-4 (0-6)	L1941584-02	PYRENE	9/18/2019	11000	Y	Y				450	74	ug/kg
WC-A-4 (0-6)	L1941584-02	FLUORANTHENE	9/18/2019	12000	Y	Y				450	86	ug/kg
WC-A-4 (0-6)	L1941584-02	BENZO(B)FLUORANTHENE	9/18/2019	6800	Y	Y				450	130	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-A-4 (0-6)	L1941584-02	PHENANTHRENE	9/18/2019	7500	Y	Y				450	91	ug/kg
WC-B-3 (0-5)	L1941584-06	BENZO(A)PYRENE	9/17/2019	69	Y	Y	J		J	140	44	ug/kg
WC-B-3 (0-5)	L1941584-06	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	31	ug/kg
WC-B-3 (0-5)	L1941584-06	FLUORENE	9/17/2019		Y	N	U		U	180	18	ug/kg
WC-B-3 (0-5)	L1941584-06	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	38	ug/kg
WC-B-3 (0-5)	L1941584-06	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	17	ug/kg
WC-B-3 (0-5)	L1941584-06	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	17	ug/kg
WC-B-3 (0-5)	L1941584-06	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	110	21	ug/kg
WC-B-3 (0-5)	L1941584-06	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	62	ug/kg
WC-B-3 (0-5)	L1941584-06	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	26	ug/kg
WC-B-3 (0-5)	L1941584-06	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	35	ug/kg
WC-B-3 (0-5)	L1941584-06	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U		U	520	160	ug/kg
WC-B-3 (0-5)	L1941584-06	BENZO(A)ANTHRACENE	9/17/2019	73	Y	Y	J		J	110	20	ug/kg
WC-B-3 (0-5)	L1941584-06	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	34	ug/kg
WC-B-3 (0-5)	L1941584-06	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	29	ug/kg
WC-B-3 (0-5)	L1941584-06	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	60	ug/kg
WC-B-3 (0-5)	L1941584-06	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	48	ug/kg
WC-B-3 (0-5)	L1941584-06	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	870	85	ug/kg
WC-B-3 (0-5)	L1941584-06	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	260	28	ug/kg
WC-B-3 (0-5)	L1941584-06	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
WC-B-3 (0-5)	L1941584-06	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	28	ug/kg
WC-B-3 (0-5)	L1941584-06	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	19	ug/kg
WC-B-3 (0-5)	L1941584-06	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	21	ug/kg
WC-B-3 (0-5)	L1941584-06	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	33	ug/kg
WC-B-3 (0-5)	L1941584-06	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B-3 (0-5)	L1941584-06	UNKNOWN	9/17/2019	847	Y	Y	J		J			
WC-B-3 (0-5)	L1941584-06	UNKNOWN	9/17/2019	160	Y	Y	J		J			
WC-B-3 (0-5)	L1941584-06	UNKNOWN	9/17/2019	414	Y	Y	J		J			
WC-B-3 (0-5)	L1941584-06	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	20	ug/kg
WC-B-3 (0-5)	L1941584-06	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	27	ug/kg
WC-B-3 (0-5)	L1941584-06	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
WC-B-3 (0-5)	L1941584-06	PHENOL	9/17/2019		Y	N	U		U	180	27	ug/kg
WC-B-3 (0-5)	L1941584-06	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	40	ug/kg
WC-B-3 (0-5)	L1941584-06	NITROBENZENE	9/17/2019		Y	N	U		U	160	27	ug/kg
WC-B-3 (0-5)	L1941584-06	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
WC-B-3 (0-5)	L1941584-06	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	21	ug/kg
WC-B-3 (0-5)	L1941584-06	ISOPHORONE	9/17/2019		Y	N	U		U	160	24	ug/kg
WC-B-3 (0-5)	L1941584-06	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	29	ug/kg
WC-B-3 (0-5)	L1941584-06	TOTAL TIC COMPOUNDS	9/17/2019	1420	Y	Y	J		J			
WC-B-3 (0-5)	L1941584-06	BENZOIC ACID	9/17/2019		Y	N	U		U	590	180	ug/kg
WC-B-3 (0-5)	L1941584-06	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	36	ug/kg
WC-B-3 (0-5)	L1941584-06	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	46	ug/kg
WC-B-3 (0-5)	L1941584-06	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	63	ug/kg
WC-B-3 (0-5)	L1941584-06	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	220	31	ug/kg
WC-B-3 (0-5)	L1941584-06	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	25	ug/kg
WC-B-3 (0-5)	L1941584-06	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	200	18	ug/kg
WC-B-3 (0-5)	L1941584-06	PHENANTHRENE	9/17/2019	74	Y	Y	J		J	110	22	ug/kg
WC-B-3 (0-5)	L1941584-06	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	56	ug/kg
WC-B-3 (0-5)	L1941584-06	INDENO(1,2,3-CD)PYRENE	9/17/2019	51	Y	Y	J		J	140	25	ug/kg
WC-B-3 (0-5)	L1941584-06	ANTHRACENE	9/17/2019		Y	N	U		U	110	35	ug/kg

SDG: L1941584

Analytical Method	SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B-3 (0-5)	L1941584-06	ACETOPHENONE	9/17/2019		Y	N	U		U	180	22	ug/kg
WC-B-3 (0-5)	L1941584-06	ACENAPHTHYLENE	9/17/2019		Y	N	U		U	140	28	ug/kg
WC-B-3 (0-5)	L1941584-06	ACENAPHTHENE	9/17/2019		Y	N	U		U	140	19	ug/kg
WC-B-3 (0-5)	L1941584-06	4-NITROPHENOL	9/17/2019		Y	N	U		U	250	74	ug/kg
WC-B-3 (0-5)	L1941584-06	4-NITROANILINE	9/17/2019		Y	N	U		U	180	75	ug/kg
WC-B-3 (0-5)	L1941584-06	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	19	ug/kg
WC-B-3 (0-5)	L1941584-06	BIPHENYL	9/17/2019		Y	N	U		U	410	42	ug/kg
WC-B-3 (0-5)	L1941584-06	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	470	87	ug/kg
WC-B-3 (0-5)	L1941584-06	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	21	ug/kg
WC-B-3 (0-5)	L1941584-06	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
WC-B-3 (0-5)	L1941584-06	2-NITROANILINE	9/17/2019		Y	N	U		U	180	35	ug/kg
WC-B-3 (0-5)	L1941584-06	2-NITROPHENOL	9/17/2019		Y	N	U		U	390	68	ug/kg
WC-B-3 (0-5)	L1941584-06	CARBAZOLE	9/17/2019		Y	N	U		U	180	18	ug/kg
WC-B-3 (0-5)	L1941584-06	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	220	22	ug/kg
WC-B-3 (0-5)	L1941584-06	3-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
WC-B-3 (0-5)	L1941584-06	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	28	ug/kg
WC-B-3 (0-5)	L1941584-06	BENZO(B)FLUORANTHENE	9/17/2019	91	Y	Y	J		J	110	30	ug/kg
WC-B-3 (0-5)	L1941584-06	BENZO(GHI)PERYLENE	9/17/2019	56	Y	Y	J		J	140	21	ug/kg
WC-B-3 (0-5)	L1941584-06	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	34	ug/kg
WC-B-3 (0-5)	L1941584-06	BENZO(K)FLUORANTHENE	9/17/2019	30	Y	Y	J		J	110	29	ug/kg
WC-B-3 (0-5)	L1941584-06	CHRYSENE	9/17/2019	81	Y	Y	J		J	110	19	ug/kg
WC-B-3 (0-5)	L1941584-06	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	33	ug/kg
WC-B-3 (0-5)	L1941584-06	PYRENE	9/17/2019	130	Y	Y				110	18	ug/kg
WC-B-3 (0-5)	L1941584-06	FLUORANTHENE	9/17/2019	140	Y	Y				110	21	ug/kg
WC-B-4 (0-5)	L1941584-03	ACENAPHTHYLENE	9/17/2019	31	Y	Y	J		J	140	28	ug/kg

SDG: L1941584

Analytical Method	SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B-4 (0-5)	L1941584-03	ACENAPHTHENE	9/17/2019	20	Y	Y	J		J	140	19	ug/kg
WC-B-4 (0-5)	L1941584-03	2-CHLORONAPHTHALENE	9/17/2019		Y	N	U		U	180	18	ug/kg
WC-B-4 (0-5)	L1941584-03	NITROBENZENE	9/17/2019		Y	N	U		U	160	27	ug/kg
WC-B-4 (0-5)	L1941584-03	ANTHRACENE	9/17/2019	55	Y	Y	J		J	110	35	ug/kg
WC-B-4 (0-5)	L1941584-03	BENZO(GHI)PERYLENE	9/17/2019	110	Y	Y	J		J	140	21	ug/kg
WC-B-4 (0-5)	L1941584-03	2,4-DICHLOROPHENOL	9/17/2019		Y	N	U		U	160	29	ug/kg
WC-B-4 (0-5)	L1941584-03	2-NITROANILINE	9/17/2019		Y	N	U		U	180	35	ug/kg
WC-B-4 (0-5)	L1941584-03	1,2,4,5-TETRACHLOROBENZENE	9/17/2019		Y	N	U		U	180	19	ug/kg
WC-B-4 (0-5)	L1941584-03	1,2,4-TRICHLOROBENZENE	9/17/2019		Y	N	U		U	180	21	ug/kg
WC-B-4 (0-5)	L1941584-03	1,2-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	32	ug/kg
WC-B-4 (0-5)	L1941584-03	1,3-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
WC-B-4 (0-5)	L1941584-03	1,4-DICHLOROBENZENE	9/17/2019		Y	N	U		U	180	31	ug/kg
WC-B-4 (0-5)	L1941584-03	FLUORENE	9/17/2019	29	Y	Y	J		J	180	18	ug/kg
WC-B-4 (0-5)	L1941584-03	2,4,6-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	110	34	ug/kg
WC-B-4 (0-5)	L1941584-03	CARBAZOLE	9/17/2019	20	Y	Y	J		J	180	18	ug/kg
WC-B-4 (0-5)	L1941584-03	2,4-DIMETHYLPHENOL	9/17/2019		Y	N	U		U	180	60	ug/kg
WC-B-4 (0-5)	L1941584-03	2,4-DINITROPHENOL	9/17/2019		Y	N	U		U	860	84	ug/kg
WC-B-4 (0-5)	L1941584-03	2,4-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	36	ug/kg
WC-B-4 (0-5)	L1941584-03	2-METHYLNAPHTHALENE	9/17/2019		Y	N	U		U	220	22	ug/kg
WC-B-4 (0-5)	L1941584-03	2-CHLOROPHENOL	9/17/2019		Y	N	U		U	180	21	ug/kg
WC-B-4 (0-5)	L1941584-03	NAPHTHALENE	9/17/2019		Y	N	U		U	180	22	ug/kg
WC-B-4 (0-5)	L1941584-03	2,4,5-TRICHLOROPHENOL	9/17/2019		Y	N	U		U	180	34	ug/kg
WC-B-4 (0-5)	L1941584-03	UNKNOWN ALKANE	9/17/2019	190	Y	Y	J		J			
WC-B-4 (0-5)	L1941584-03	TOTAL TIC COMPOUNDS	9/17/2019	2800	Y	Y	J		J			
WC-B-4 (0-5)	L1941584-03	UNKNOWN	9/17/2019	150	Y	Y	J		J			

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B-4 (0-5)	L1941584-03	UNKNOWN	9/17/2019	173	Y	Y	J		J			
WC-B-4 (0-5)	L1941584-03	UNKNOWN ALKANE	9/17/2019	179	Y	Y	J		J			
WC-B-4 (0-5)	L1941584-03	UNKNOWN ALKANE	9/17/2019	163	Y	Y	J		J			
WC-B-4 (0-5)	L1941584-03	UNKNOWN ALKANE	9/17/2019	163	Y	Y	J		J			
WC-B-4 (0-5)	L1941584-03	INDENO(1,2,3-CD)PYRENE	9/17/2019	95	Y	Y	J		J	140	25	ug/kg
WC-B-4 (0-5)	L1941584-03	UNKNOWN ALKANE	9/17/2019	171	Y	Y	J		J			
WC-B-4 (0-5)	L1941584-03	2-METHYLPHENOL	9/17/2019		Y	N	U		U	180	28	ug/kg
WC-B-4 (0-5)	L1941584-03	UNKNOWN NAPHTHALENE	9/17/2019	178	Y	Y	J		J			
WC-B-4 (0-5)	L1941584-03	UNKNOWN NAPHTHALENE	9/17/2019	211	Y	Y	J		J			
WC-B-4 (0-5)	L1941584-03	UNKNOWN PHENOL	9/17/2019	439	Y	Y	J		J			
WC-B-4 (0-5)	L1941584-03	4-BROMOPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	28	ug/kg
WC-B-4 (0-5)	L1941584-03	4-CHLOROANILINE	9/17/2019		Y	N	U		U	180	33	ug/kg
WC-B-4 (0-5)	L1941584-03	BENZO(K)FLUORANTHENE	9/17/2019	55	Y	Y	J		J	110	29	ug/kg
WC-B-4 (0-5)	L1941584-03	UNKNOWN ALKANE	9/17/2019	778	Y	Y	J		J			
WC-B-4 (0-5)	L1941584-03	DIBENZOFURAN	9/17/2019		Y	N	U		U	180	17	ug/kg
WC-B-4 (0-5)	L1941584-03	HEXACHLOROCYCLOPENTADIENE	9/17/2019		Y	N	U		U	520	160	ug/kg
WC-B-4 (0-5)	L1941584-03	BUTYL BENZYL PHTHALATE	9/17/2019		Y	N	U		U	180	45	ug/kg
WC-B-4 (0-5)	L1941584-03	2-NITROPHENOL	9/17/2019		Y	N	U		U	390	68	ug/kg
WC-B-4 (0-5)	L1941584-03	2,6-DINITROTOLUENE	9/17/2019		Y	N	U		U	180	31	ug/kg
WC-B-4 (0-5)	L1941584-03	NITROSODIPHENYLAMINE(NDPA)/DPA	9/17/2019		Y	N	U		U	140	20	ug/kg
WC-B-4 (0-5)	L1941584-03	BIS(2-ETHYLHEXYL)PHTHALATE	9/17/2019		Y	N	U		U	180	62	ug/kg
WC-B-4 (0-5)	L1941584-03	DIBENZO(A,H)ANTHRACENE	9/17/2019		Y	N	U		U	110	21	ug/kg
WC-B-4 (0-5)	L1941584-03	BIS(2-CHLOROISOPROPYL)ETHER	9/17/2019		Y	N	U	UJ	UJ	220	31	ug/kg
WC-B-4 (0-5)	L1941584-03	DIETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	17	ug/kg
WC-B-4 (0-5)	L1941584-03	DIMETHYL PHTHALATE	9/17/2019		Y	N	U		U	180	38	ug/kg

SDG: L1941584

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
WC-B-4 (0-5)	L1941584-03	HEXACHLOROBENZENE	9/17/2019		Y	N	U		U	110	20	ug/kg
WC-B-4 (0-5)	L1941584-03	ISOPHORONE	9/17/2019		Y	N	U		U	160	23	ug/kg
WC-B-4 (0-5)	L1941584-03	HEXACHLOROETHANE	9/17/2019		Y	N	U		U	140	29	ug/kg
WC-B-4 (0-5)	L1941584-03	HEXACHLOROBUTADIENE	9/17/2019		Y	N	U		U	180	26	ug/kg
WC-B-4 (0-5)	L1941584-03	DI-N-OCTYLPHTHALATE	9/17/2019		Y	N	U		U	180	61	ug/kg
WC-B-4 (0-5)	L1941584-03	ACETOPHENONE	9/17/2019		Y	N	U		U	180	22	ug/kg
WC-B-4 (0-5)	L1941584-03	3,3'-DICHLOROBENZIDINE	9/17/2019		Y	N	U		U	180	48	ug/kg
WC-B-4 (0-5)	L1941584-03	3-METHYLPHENOL/4-METHYLPHENOL	9/17/2019		Y	N	U		U	260	28	ug/kg
WC-B-4 (0-5)	L1941584-03	3-NITROANILINE	9/17/2019		Y	N	U		U	180	34	ug/kg
WC-B-4 (0-5)	L1941584-03	4,6-DINITRO-O-CRESOL	9/17/2019		Y	N	U		U	470	86	ug/kg
WC-B-4 (0-5)	L1941584-03	4-CHLOROPHENYL PHENYL ETHER	9/17/2019		Y	N	U		U	180	19	ug/kg
WC-B-4 (0-5)	L1941584-03	4-NITROANILINE	9/17/2019		Y	N	U		U	180	75	ug/kg
WC-B-4 (0-5)	L1941584-03	4-NITROPHENOL	9/17/2019		Y	N	U		U	250	74	ug/kg
WC-B-4 (0-5)	L1941584-03	DI-N-BUTYLPHTHALATE	9/17/2019		Y	N	U		U	180	34	ug/kg
WC-B-4 (0-5)	L1941584-03	BENZOIC ACID	9/17/2019		Y	N	U		U	580	180	ug/kg
WC-B-4 (0-5)	L1941584-03	BENZYL ALCOHOL	9/17/2019		Y	N	U		U	180	55	ug/kg
WC-B-4 (0-5)	L1941584-03	BIPHENYL	9/17/2019		Y	N	U		U	410	42	ug/kg
WC-B-4 (0-5)	L1941584-03	BIS(2-CHLOROETHOXY)METHANE	9/17/2019		Y	N	U		U	190	18	ug/kg
WC-B-4 (0-5)	L1941584-03	BIS(2-CHLOROETHYL)ETHER	9/17/2019		Y	N	U		U	160	24	ug/kg
WC-B-4 (0-5)	L1941584-03	BENZO(A)ANTHRACENE	9/17/2019	150	Y	Y				110	20	ug/kg
WC-B-4 (0-5)	L1941584-03	PHENANTHRENE	9/17/2019	230	Y	Y				110	22	ug/kg
WC-B-4 (0-5)	L1941584-03	BENZO(A)PYRENE	9/17/2019	140	Y	Y				140	44	ug/kg
WC-B-4 (0-5)	L1941584-03	FLUORANTHENE	9/17/2019	310	Y	Y				110	21	ug/kg
WC-B-4 (0-5)	L1941584-03	CHRYSENE	9/17/2019	160	Y	Y				110	19	ug/kg
WC-B-4 (0-5)	L1941584-03	BENZO(B)FLUORANTHENE	9/17/2019	190	Y	Y				110	30	ug/kg

Analytical Method	SW8270D											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
WC-B-4 (0-5)	L1941584-03	P-CHLORO-M-CRESOL	9/17/2019		Y	N	U		U	180	27	ug/kg
WC-B-4 (0-5)	L1941584-03	N-NITROSODI-N-PROPYLAMINE	9/17/2019		Y	N	U		U	180	28	ug/kg
WC-B-4 (0-5)	L1941584-03	PENTACHLOROPHENOL	9/17/2019		Y	N	U		U	140	40	ug/kg
WC-B-4 (0-5)	L1941584-03	PYRENE	9/17/2019	300	Y	Y				110	18	ug/kg
WC-B-4 (0-5)	L1941584-03	PHENOL	9/17/2019		Y	N	U		U	180	27	ug/kg

Analytical Method	SW9012B											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
B-13 (3-4)	L1941584-11	CYANIDE, TOTAL	9/13/2019		Y	N	U	UJ	UJ	0.98	0.21	mg/kg
B-13 (6-7)	L1941584-12	CYANIDE, TOTAL	9/13/2019		Y	N	U	UJ	UJ	1.0	0.22	mg/kg
B-14 (2-3)	L1941584-10	CYANIDE, TOTAL	9/13/2019		Y	N	U	UJ	UJ	0.98	0.21	mg/kg
B-14 (8-9)	L1941584-09	CYANIDE, TOTAL	9/13/2019		Y	N	U	UJ	UJ	1.0	0.21	mg/kg
B-3 (4-5)	L1941584-15	CYANIDE, TOTAL	9/13/2019		Y	N	U	UJ	UJ	0.94	0.20	mg/kg
B-3 (6-7)	L1941584-16	CYANIDE, TOTAL	9/13/2019		Y	N	U	UJ	UJ	1.0	0.22	mg/kg
B-4 (4-5)	L1941584-04	CYANIDE, TOTAL	9/13/2019		Y	N	U	UJ	UJ	1.1	0.23	mg/kg
B-4 (7-8)	L1941584-05	CYANIDE, TOTAL	9/13/2019		Y	N	U	UJ	UJ	1.1	0.23	mg/kg
B-8 (4-5)	L1941584-13	CYANIDE, TOTAL	9/13/2019		Y	N	U	UJ	UJ	1.1	0.23	mg/kg
B-8 (5-6)	L1941584-14	CYANIDE, TOTAL	9/13/2019		Y	N	U	UJ	UJ	1.0	0.22	mg/kg
B-9 (3-4)	L1941584-07	CYANIDE, TOTAL	9/13/2019		Y	N	U	UJ	UJ	1.1	0.23	mg/kg
B-9 (6-7)	L1941584-08	CYANIDE, TOTAL	9/13/2019		Y	N	U	UJ	UJ	1.0	0.21	mg/kg
DUP	L1941584-17	CYANIDE, TOTAL	9/16/2019		Y	N	U	UJ	UJ	1.1	0.23	mg/kg
WC-A-3 (0-5)	L1941584-01	CYANIDE, TOTAL	9/13/2019		Y	N	U	UJ	UJ	1.2	0.25	mg/kg
WC-A-4 (0-6)	L1941584-02	CYANIDE, TOTAL	9/13/2019		Y	N	U	UJ	UJ	1.0	0.22	mg/kg
WC-B-3 (0-5)	L1941584-06	CYANIDE, TOTAL	9/13/2019		Y	N	U	UJ	UJ	1.1	0.23	mg/kg
WC-B-4 (0-5)	L1941584-03	CYANIDE, TOTAL	9/13/2019	0.25	Y	Y	J	J	J	1.0	0.22	mg/kg

Site: 33 Centre Avenue
Laboratory: Alpha Analytical, Inc.
Report No.: L1944968
Reviewer: Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date: November 27, 2019

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
FP-1 (2-4)	L1944968-01	VOC, SVOC
FP-1 (6-7)	L1944968-03	VOC, SVOC

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed soil samples were collected on September 27, 2019 and were analyzed for volatile organic compounds (VOC) by SW-846 method 8260C and semivolatile organic compounds (SVOC) by SW-846 method 8270D. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C,* SOP HW-24, Revision 4 (October 2014), the USEPA Region 2 *Standard Operating Procedure for Semivolatile Data Validation SW-846 Method 8270D,* SOP HW-35A, Revision 0 (June 2015), and the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-2017-002 (January 2017), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

VOC

Initial calibration:

All criteria were met.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
10/03/19	CCV-Charlie	Bromomethane	21.1	FP-1 (2-4)	XX	UJ nondetects
		Chloroethane	26.3	FP-1 (6-7)	XX	UJ nondetects
		Ethyl ether	23.4		XX	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The bromomethane, chloroethane, and ethyl ether results were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

SVOC

Initial calibration:

All criteria were met.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
10/03/19	CCV	Bis(2-chloroisopropyl) ether	22.7	FP-1 (2-4)	XX	UJ nondetects
		Hexachlorocyclopentadiene	27.8	FP-1 (6-7)	XX	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The bis(2-chloroisopropyl) ether and hexachlorocyclopentadiene results were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

VOC

Contamination was detected in the associated VOC method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Blank ID	Compound TIC (RT in minutes)	Level Detected	Action Level	Associated Samples
WG1292182-5Blank	Chloroform	0.3 ug/Kg	RL	FP-1 (6-7)
WG1292194-5Blank	Chloroform	15 ug/Kg	RL	FP-1 (2-4)

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
FP-1 (6-7)	Chloroform	0.20 ug/Kg	1.5U ug/Kg
FP-1 (2-4)	Chloroform	16 ug/Kg	89U ug/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

A field blank was not associated with this samples set. Validation action was not required on this basis.

SVOC

Contamination was not detected in the method blanks.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

MS/MSD analyses were not associated with this sample set. Validation action was not required on this basis.

LCS Results

All criteria were met.

Internal Standards

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Moisture Content

All criteria were met.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC and SVOC analyses. These results were qualified as estimated (J) by the laboratory.

Dilutions were not required for VOC and SVOC analyses.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 46420D1a **VALIDATION COMPLETENESS WORKSHEET** Date: 11/25/19
SDG #: L1944968 Category B Page: 1 of 1
Laboratory: Alpha Analytical, Inc. Reviewer: PM
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	%RSD ≤20, r² ICV ≤30
IV.	Continuing calibration	SW	CCV ≤20
V.	Laboratory Blanks	SW	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	client
IX.	Laboratory control samples	A	LCS ID
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Results ≥ RL > MDL = J det
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
SW = See worksheet FB = Field blank EB = Equipment blank

	Client ID	Lab ID	Matrix	Date
12	FP-1 (2-4)	L1944968-01	Soil	09/27/19
21	FP-1 (6-7)	L1944968-03	Soil	09/27/19
3				
4				
5				
6				
7				
8				
9				

Notes:

1	WG1292182-5 Blank						
2	WG1292194-5 Blank						

LDC #: 46420Db

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?	✓			
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification	✓			
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?		✓		
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 46420D1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	10/3/19	ccv- charlie	B	21.1		All	J/UJ/A ND
	1721		D	26.3		↓	↓
			Ethyl Ether	23.4		↓	↓

CONCAL.wpd

LDC #: 46420D1a

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
Y N N/A Was a method blank associated with every sample in this SDG?
Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?
Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 10/3/19
Conc. units: ug/kg
Associated Samples: 2

Compound	Blank ID	Sample Identification								
	WG1292	BZ-5 Blank			2					
< K	0.3				0.20/1.54					

Blank analysis date: 10/3/19
Conc. units: ug/kg
Associated Samples: 1

Compound	Blank ID	Sample Identification								
	WG1292194-5 Blank			1						
< K	15			16/89.4						

All results were qualified using the criteria stated below except those circled.

Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 46420D1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 40 ug/L std)	Recalculated (RRF 40ug/L std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL Charlie	9/17/2019	K	0.910	0.910	0.919	0.919	9.28	9.28
			CC	1.625	1.625	1.577	1.577	2.48	2.48
			BB	1.363	1.363	1.300	1.300	6.12	6.12

LDC #: 46420D1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA Method 8260C)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV	10/3/19	K (1st internal standard)	0.919 0.982 FT	0.92 U	0.923	0.4	0.4
	1721		CC (2nd internal standard)	1.577	1.702	1.702	7.9	7.9
			BB (3rd internal standard)	1.30 U	1.248	1.248	4.0	4.0
			(4th internal standard)					
2			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
5			(1st internal standard)					
			(2nd internal standard					
			(3rd internal standard)					
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420D1a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #2 #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	20.0	19.158	96	96	0
1,2-Dichloroethane-d4	↓	17.113	86	86	0
Toluene-d8		18.430	93	92	1
Bromofluorobenzene	↓	21.851	110	109	1

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 46420D1a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: WG1292182-3/4

Compound	Spike Added (ug/kg)		Spiked Sample Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	20	20	18 ~~18.035~~ 18.271	23 22.585	91 ~~89~~	91	113	113	22	21
Trichloroethene			23 22.988	22 22.387	115	115	112	112	3	3
Benzene			23 23.012	23 22.592	115	115	113	113	2	2
Toluene			22 21.590	21 20.781	108	108	104	104	4	4
Chlorobenzene			22 21.777	21 21.064	109	109	105	105	4	3

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420D1a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: FT
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
RRF	=	Relative response factor of the calibration standard.
V_o	=	Volume or weight of sample pruged in milliliters (ml) or grams (g).
Df	=	Dilution factor.
%S	=	Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #1, K:

Conc. = $\frac{13972\ (20)\ (5)\ (5.6649)}{112010\ (0.919)\ (5.45)\ (1)\ (0.878)}$

= 16.0 ug/kg

5ml / 5.45 %s = xx (0.878)

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Qualification
	#1	K	16	16.0	
	vol of MeOH ext = 5 ml				
	vol of water = (0.122)(5.45) = 0.6649				
		Total = 5.6649 ml			

RECALC.WPD

LDC #: 46420D2a

VALIDATION COMPLETENESS WORKSHEET

Category B

SDG #: L1944968

Laboratory: Alpha Analytical, Inc.

Date: 11/22/19

Page: 1 of 1

Reviewer: EJ

2nd Reviewer:

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/Δ	
II.	GC/MS Instrument performance check	Δ	
III.	Initial calibration/ICV	A/Δ	%RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	Δ	
VI.	Field blanks	N	
VII.	Surrogate spikes	SW	
VIII.	Matrix spike/Matrix spike duplicates	N	client
IX.	Laboratory control samples	A	LCS ID
X.	Field duplicates	N	
XI.	Internal standards	Δ	
XII.	Compound quantitation RL/LOQ/LODs	A	Results < RL > MDL = J det
XIII.	Target compound identification	Δ	
XIV.	System performance	Δ	
XV.	Overall assessment of data	Δ	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	FP-1 (2-4)	L1944968-01	Soil	09/27/19
2	FP-1 (6-7)	L1944968-03	Soil	09/27/19
3				
4				
5				
6				
7				
8				
9				

Notes:

	WG1290787-1 BLK						

LDC #: 46420D2a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: Semivolatiles (EPA SW 846 Method 8270D)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?		✓		
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any percent recoveries (%R) was less than 10%, was a reanalysis performed to confirm %R ?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	CC. Dimethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	GGGG. C30-Hopane	I1. Methyl methanesulfonate
B. Bis (2-chloroethyl) ether	DD. Acenaphthylene	FFF. Di-n-octylphthalate	HHHH. 1-Methylphenanthrene	J1. Ethyl methanesulfonate
C. 2-Chlorophenol	EE. 2,6-Dinitrotoluene	GGG. Benzo(b)fluoranthene	IIII. 1,4-Dioxane	K1. o,o',o''-Triethylphosphorothioate
D. 1,3-Dichlorobenzene	FF. 3-Nitroaniline	HHH. Benzo(k)fluoranthene	JJJJ. Acetophenone	L1. n-Phenylene diamine
E. 1,4-Dichlorobenzene	GG. Acenaphthene	III. Benzo(a)pyrene	KKKK. Atrazine	M1. 1,4-Naphthoquinone
F. 1,2-Dichlorobenzene	HH. 2,4-Dinitrophenol	JJJ. Indeno(1,2,3-cd)pyrene	LLLL. Benzaldehyde	N1. N-Nitro-o-toluidine
G. 2-Methylphenol	II. 4-Nitrophenol	KKK. Dibenz(a,h)anthracene	MMMM. Caprolactam	O1. 1,3,5-Trinitrobenzene
H. 2,2'-Oxybis(1-chloropropane)	JJ. Dibenzofuran	LLL. Benzo(g,h,i)perylene	NNNN. 2,6-Dichlorophenol	P1. Pentachlorobenzene
I. 4-Methylphenol	KK. 2,4-Dinitrotoluene	MMM. Bis(2-Chloroisopropyl)ether	OOOO. 1,2-Diphenylhydrazine	Q1. 4-Aminobiphenyl
J. N-Nitroso-di-n-propylamine	LL. Diethylphthalate	NNN. Aniline	PPPP. 3-Methylphenol	R1. 2-Naphthylamine
K. Hexachloroethane	MM. 4-Chlorophenyl-phenyl ether	OOO. N-Nitrosodimethylamine	QQQQ. 3&4-Methylphenol	S1. Triphenylene
L. Nitrobenzene	NN. Fluorene	PPP. Benzoic Acid	RRRR. 4-Dimethyldibenzothiophene (4MDT)	T1. Octachlorostyrene
M. Isophorone	OO. 4-Nitroaniline	QQQ. Benzyl alcohol	SSSS. 2/3-Dimethyldibenzothiophene (4MDT)	U1. Famphur
N. 2-Nitrophenol	PP. 4,6-Dinitro-2-methylphenol	RRR. Pyridine	TTTT. 1-Methyldibenzothiophene (1MDT)	V1. 1,4-phenylenediamine
O. 2,4-Dimethylphenol	QQ. N-Nitrosodiphenylamine	SSS. Benzidine	UUUU.. 2,3,4,6-Tetrachlorophenol	W1. Methapyrilene
P. Bis(2-chloroethoxy)methane	RR. 4-Bromophenyl-phenylether	TTT. 1-Methylnaphthalene	VVVV. 1,2,4,5-Tetrachlorobenzene	X1. Pentachloroethane
Q. 2,4-Dichlorophenol	SS. Hexachlorobenzene	UUU.Benzo(b)thiophene	WWWW.. 2-Picoline	Y1. 3,3'-Dimethylbenzidine
R. 1,2,4-Trichlorobenzene	TT. Pentachlorophenol	VVV.Benzonaphthothiophene	XXXX. 3-Methylcholanthrene	Z1. o-Toluidine
S. Naphthalene	UU. Phenanthrene	WWW.Benzo(e)pyrene	YYYY. a,a-Dimethylphenethylamine	A2. 1-Naphthylamine
T. 4-Chloroaniline	VV. Anthracene	XXX. 2,6-Dimethylnaphthalene	ZZZZ. Hexachloropropene	B2. 4-Aminobiphenyl
U. Hexachlorobutadiene	WW. Carbazole	YYY. 2,3,5-Trimethylnaphthalene	A1. N-Nitrosodiethylamine	C2. 4-Nitroquinoline-1-oxide
V. 4-Chloro-3-methylphenol	XX. Di-n-butylphthalate	ZZZ. Perylene	B1. N-Nitrosodi-n-butylamine	D2. Hexachloropene
W. 2-Methylnaphthalene	YY. Fluoranthene	AAAA. Dibenzothiophene	C1. N-Nitrosomethylethylamine	E2. Bis (2-chloro-1-methylethyl) ether
X. Hexachlorocyclopentadiene	ZZ. Pyrene	BBBB. Benzo(a)fluoranthene	D1. N-Nitrosomorpholine	F2. Bifenthrin
Y. 2,4,6-Trichlorophenol	AAA. Butylbenzylphthalate	CCCC. Benzo(b)fluorene	E1. N-Nitrosopyrrolidine	G2.Cyfluthrin
Z. 2,4,5-Trichlorophenol	BBB. 3,3'-Dichlorobenzidine	DDDD. cis/trans-Decalin	F1. Phenacetin	H2.Cypermethrin
AA. 2-Chloronaphthalene	CCC. Benzo(a)anthracene	EEEE. Biphenyl	G1. 2-Acetylaminofluorene	I2.Permethrin (cis/trans)
BB. 2-Nitroaniline	DDD. Chrysene	FFFF. Retene	H1. Pronamide	J2. 5-Nitro-o-toluidine

LDC #: 46420D2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours of sample analysis for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	10/2/19	CCV	~~OO~~	21.2		WG1290787-1Blank	J/UJ/A
	2204		4,6-Dinitro-8-cresol	35.3			
			~~EEE~~ FFF	26.3			
	10/2/19	CCV	LLL	34.8	F7		
	2207						
	10/3/19	CCV	MMM	22.7		All - MB	J/UJ/A (ND)
	1138		X	27.8		↓	

LDC #: 46420D2a

VALIDATION FINDINGS WORKSHEET
Surrogate Recovery

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were percent recoveries (%R) for surrogates within QC limits?
Y N N/A If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?
Y N N/A If any %R was less than 10 percent, was a reanalysis performed to confirm %R?

#	Sample ID	Surrogate	%R (Limits)	Qualifications
	1	2FP	23 (25-120)	no qual
		FBP	25 (30-120)	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	

(NBZ) = Nitrobenzene - d5
(FBP) = 2-Fluorobiphenyl
(TPH) = Terphenyl - d14
(2FP) = 2-Fluorophenol
(TBP) = 2,4,6 -Tribromophenol
(2CP) = 2-Chlorophenol - d4

LDC #: 46420D2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	6/9/2019	A	1.620	1.620	1.568	1.568	5.41	5.41
	GCMS5		S	1.043	1.043	1.015	1.015	12.51	12.51
	ABN		GG	1.171	1.171	1.168	1.168	12.54	12.54
			YY	1.427	1.427	1.328	1.328	7.29	7.29
			DDD	1.326	1.326	1.327	1.327	8.37	8.37
			III	1.349	1.349	1.301	1.301	5.93	5.93

LDC #: 46420D2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	6/9/2019	A	1.620	1.620	1.568	1.568	5.41	5.41
	GCMS5		S	1.043	1.043	1.015	1.015	12.51	12.51
	ABN		GG	1.171	1.171	1.168	1.168	12.54	12.54
			YY	1.427	1.427	1.328	1.328	7.29	7.29
			DDD	1.326	1.326	1.327	1.327	8.37	8.37
			JJJ	1.073	1.073	1.053	1.053	11.87	11.87

LDC #: 46420 D2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS SVOA 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	6/9/2019	1,4 Dioxane	0.441	0.441	0.423	0.423	5.27	5.27
	GCMS5	ADP							

#	Standard ID	Calibration Date	Compound	Reported (RRF 20ug/ml std)	Recalculated (RRF 20ug/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	6/10/2019	Biphenyl	0.882	0.882	0.845	0.845	10.44	10.44
	GCMS5	AP9							

LDC #: 46426 D2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV ABN 2204	10/2/19	Δ (1st IS)	1.568	1.72	1.72	9.7	9.7
			S (2nd IS)	1.015	0.974	0.974	4	4
			GG (3rd IS)	1.168	1.133	1.133	3	3
			YY (4th IS)	1.328	1.293	1.293	2.6	2.6
			DDD (5th IS)	1.327	1.257	1.257	5.3	5.3
			III (6th IS)	1.301	1.303	1.303	0.2	0.2
2	CCV ABN 1138	10/3/19	(1st IS)		1.438	1.438	8.3	8.3
			(2nd IS)		0.902	0.902	11.1	11.1
			(3rd IS)		1.007	1.007	13.8	13.8
			(4th IS)		1.171	1.171	11.8	11.8
			(5th IS)		1.109	1.109	16.4	16.4
			(6th IS)		1.177	1.177	9.5	9.5
3	CCV APN 2227	10/2/19	Biphenyl (1st IS)	0.845	0.905	0.905	7.1	7.1
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420D2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCVABN 2204	10/2/19	(1st IS)					
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			JJJ (6th IS)	1.053	1.229	1.229	16.7	16.7
2	CCVABN 1138	10/3/19	(1st IS)					
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			JJJ (6th IS)	1.053	1.115	1.115	5.9	5.9
3			(1st IS)					
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420D2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV ADP 2249	10/2/19	1,4-Dioxane (1st IS)	0.423	0.473	0.473	11.8	11.8
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
2	CCVADP9 1115	10/3/19	Biphenyl (1st IS)	0.845	0.805	0.805	4.7	4.7
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
3	CCVADP 1200	10/3/19	1,4-Dioxane (1st IS)	0.423	0.403	0.403	4.7	4.7
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 46420D2a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 2

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	25.0	22.584	~~103~~ 90	90	0
2-Fluorobiphenyl	↓	18.729	~~95~~ 75	75	
Terphenyl-d14	↓	18.853	75	75	
Phenol-d5	50.0	49.709	99	99	
2-Fluorophenol	↓	47.306	95	95	
2,4,6-Tribromophenol	↓	46.921	93	93	↓
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 46420D2a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: WG1290787-2/3

Compound	Spike Added (ug/kg)		Spike Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol	1300 (1326)	1300 (1309)	1000 (1061)	1200 (1152)	80	80	88	88	10	8
N-Nitroso-di-n-propylamine			1200 (1172)	1100 (1135)	88	88	87	87	1	3
4-Chloro-3-methylphenol			1200 (1163.9)	1300 (1287)	88	88	98	98	11	10
Acenaphthene			1000 (1012)	1200 (1155)	76	76	88	88	15	13
Pentachlorophenol			960 (966)	1200 (1207)	73	73	92	92	23	22
Pyrene			1200 (1185)	1100 (1142)	89	89	87	87	2	4

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results. 1/30.08
1/30.64

LDC #: 46420D2a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: FT
2nd reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #1, YY:

Conc. = $\frac{125\ 1150}{590858}\ \frac{(40.0)(1)(1000)}{(1.328)(30.39)(0.88)}$

= 2385 ng/kg

1ml / 30.39 %S = 88

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration (ng/kg)	Qualification
	#1	YY	2400	2385	

Hugenot Street Development - LDC# 46420D

SDG: L1944968

Analytical Method	A2540G											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
FP-1 (2-4)	L1944968-01	SOLIDS, TOTAL	9/28/2019	87.8	Y	Y				0.100	0.100	percent
FP-1 (6-7)	L1944968-03	SOLIDS, TOTAL	9/28/2019	92.3	Y	Y				0.100	0.100	percent

Analytical Method	SW8260C											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
FP-1 (2-4)	L1944968-01	HEXACHLOROBUTADIENE	10/4/2019		Y	N	U		U	240	10	ug/kg
FP-1 (2-4)	L1944968-01	CARBON DISULFIDE	10/4/2019		Y	N	U		U	590	270	ug/kg
FP-1 (2-4)	L1944968-01	CARBON TETRACHLORIDE	10/4/2019		Y	N	U		U	59	14	ug/kg
FP-1 (2-4)	L1944968-01	CHLOROBENZENE	10/4/2019		Y	N	U		U	30	7.5	ug/kg
FP-1 (2-4)	L1944968-01	CHLOROETHANE	10/4/2019		Y	N	U	UJ	UJ	120	27	ug/kg
FP-1 (2-4)	L1944968-01	CHLOROFORM	10/4/2019		Y	N	J	U	U	89	8.3	ug/kg
FP-1 (2-4)	L1944968-01	CHLOROMETHANE	10/4/2019		Y	N	U		U	240	55	ug/kg
FP-1 (2-4)	L1944968-01	CIS-1,2-DICHLOROETHENE	10/4/2019		Y	N	U		U	59	10	ug/kg
FP-1 (2-4)	L1944968-01	CIS-1,3-DICHLOROPROPENE	10/4/2019		Y	N	U		U	30	9.4	ug/kg
FP-1 (2-4)	L1944968-01	DIBROMOCHLOROMETHANE	10/4/2019		Y	N	U		U	59	8.3	ug/kg
FP-1 (2-4)	L1944968-01	DIBROMOMETHANE	10/4/2019		Y	N	U		U	120	14	ug/kg
FP-1 (2-4)	L1944968-01	1,1-DICHLOROPROPENE	10/4/2019		Y	N	U		U	30	9.4	ug/kg
FP-1 (2-4)	L1944968-01	ETHYLBENZENE	10/4/2019		Y	N	U		U	59	8.3	ug/kg
FP-1 (2-4)	L1944968-01	ISOPROPYLBENZENE	10/4/2019		Y	N	U		U	59	6.4	ug/kg
FP-1 (2-4)	L1944968-01	METHYL TERT BUTYL ETHER	10/4/2019		Y	N	U		U	120	12	ug/kg
FP-1 (2-4)	L1944968-01	METHYLENE CHLORIDE	10/4/2019		Y	N	U		U	300	140	ug/kg
FP-1 (2-4)	L1944968-01	NAPHTHALENE	10/4/2019	210	Y	Y	J		J	240	38	ug/kg
FP-1 (2-4)	L1944968-01	1,2-DIBROMO-3-CHLOROPROPANE	10/4/2019		Y	N	U		U	180	59	ug/kg
FP-1 (2-4)	L1944968-01	1,2,4-TRIMETHYLBENZENE	10/4/2019	25	Y	Y	J		J	120	20	ug/kg

SDG: L1944968

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FP-1 (2-4)	L1944968-01	1,2,4-TRICHLOROBENZENE	10/4/2019		Y	N	U		U	120	16	ug/kg
FP-1 (2-4)	L1944968-01	1,2,4,5-TETRAMETHYLBENZENE	10/4/2019	100	Y	Y	J		J	120	11	ug/kg
FP-1 (2-4)	L1944968-01	1,2,3-TRICHLOROPROPANE	10/4/2019		Y	N	U		U	120	7.5	ug/kg
FP-1 (2-4)	L1944968-01	1,2,3-TRICHLOROBENZENE	10/4/2019		Y	N	U		U	120	19	ug/kg
FP-1 (2-4)	L1944968-01	ETHYL ETHER	10/4/2019		Y	N	U	UJ	UJ	120	20	ug/kg
FP-1 (2-4)	L1944968-01	2,2-DICHLOROPROPANE	10/4/2019		Y	N	U		U	120	12	ug/kg
FP-1 (2-4)	L1944968-01	BROMOMETHANE	10/4/2019		Y	N	U	UJ	UJ	120	34	ug/kg
FP-1 (2-4)	L1944968-01	BROMOFORM	10/4/2019		Y	N	U		U	240	14	ug/kg
FP-1 (2-4)	L1944968-01	BROMODICHLOROMETHANE	10/4/2019		Y	N	U		U	30	6.4	ug/kg
FP-1 (2-4)	L1944968-01	BROMOCHLOROMETHANE	10/4/2019		Y	N	U		U	120	12	ug/kg
FP-1 (2-4)	L1944968-01	BROMOBENZENE	10/4/2019		Y	N	U		U	120	8.6	ug/kg
FP-1 (2-4)	L1944968-01	BENZENE	10/4/2019		Y	N	U		U	30	9.8	ug/kg
FP-1 (2-4)	L1944968-01	ACRYLONITRILE	10/4/2019		Y	N	U		U	240	68	ug/kg
FP-1 (2-4)	L1944968-01	ACETONE	10/4/2019		Y	N	U		U	590	280	ug/kg
FP-1 (2-4)	L1944968-01	4-METHYL-2-PENTANONE	10/4/2019		Y	N	U		U	590	76	ug/kg
FP-1 (2-4)	L1944968-01	4-ETHYLTOLUENE	10/4/2019		Y	N	U		U	120	23	ug/kg
FP-1 (2-4)	L1944968-01	1,2-DIBROMOETHANE	10/4/2019		Y	N	U		U	59	16	ug/kg
FP-1 (2-4)	L1944968-01	2-BUTANONE	10/4/2019		Y	N	U		U	590	130	ug/kg
FP-1 (2-4)	L1944968-01	1,2-DICHLOROBENZENE	10/4/2019		Y	N	U		U	120	8.5	ug/kg
FP-1 (2-4)	L1944968-01	1,4-DIOXANE	10/4/2019		Y	N	U		U	4700	2100	ug/kg
FP-1 (2-4)	L1944968-01	1,4-DIETHYLBENZENE	10/4/2019	27	Y	Y	J		J	120	10	ug/kg
FP-1 (2-4)	L1944968-01	1,4-DICHLOROBENZENE	10/4/2019		Y	N	U		U	120	10	ug/kg
FP-1 (2-4)	L1944968-01	1,3-DICHLOROPROPENE, TOTAL	10/4/2019		Y	N	U		U	30	9.4	ug/kg
FP-1 (2-4)	L1944968-01	1,3-DICHLOROPROPANE	10/4/2019		Y	N	U		U	120	9.9	ug/kg
FP-1 (2-4)	L1944968-01	1,3-DICHLOROBENZENE	10/4/2019		Y	N	U		U	120	8.8	ug/kg

SDG: L1944968

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FP-1 (2-4)	L1944968-01	1,3,5-TRIMETHYLBENZENE	10/4/2019		Y	N	U		U	120	11	ug/kg
FP-1 (2-4)	L1944968-01	1,2-DICHLOROPROPANE	10/4/2019		Y	N	U		U	59	7.4	ug/kg
FP-1 (2-4)	L1944968-01	1,2-DICHLOROETHENE (TOTAL)	10/4/2019		Y	N	U		U	59	8.1	ug/kg
FP-1 (2-4)	L1944968-01	1,2-DICHLOROETHANE	10/4/2019		Y	N	U		U	59	15	ug/kg
FP-1 (2-4)	L1944968-01	DICHLORODIFLUOROMETHANE	10/4/2019		Y	N	U		U	590	54	ug/kg
FP-1 (2-4)	L1944968-01	2-HEXANONE	10/4/2019		Y	N	U		U	590	70	ug/kg
FP-1 (2-4)	L1944968-01	TRICHLOROETHENE	10/4/2019		Y	N	U		U	30	8.1	ug/kg
FP-1 (2-4)	L1944968-01	1,1,1,2-TETRACHLOROETHANE	10/4/2019		Y	N	U		U	30	7.8	ug/kg
FP-1 (2-4)	L1944968-01	XYLENE (TOTAL)	10/4/2019		Y	N	U		U	59	17	ug/kg
FP-1 (2-4)	L1944968-01	P/M-XYLENE	10/4/2019		Y	N	U		U	120	33	ug/kg
FP-1 (2-4)	L1944968-01	P-CHLOROTOLUENE	10/4/2019		Y	N	U		U	120	6.4	ug/kg
FP-1 (2-4)	L1944968-01	VINYL ACETATE	10/4/2019		Y	N	U		U	590	130	ug/kg
FP-1 (2-4)	L1944968-01	P-ISOPROPYLTOLUENE	10/4/2019	7.0	Y	Y	J		J	59	6.4	ug/kg
FP-1 (2-4)	L1944968-01	O-XYLENE	10/4/2019		Y	N	U		U	59	17	ug/kg
FP-1 (2-4)	L1944968-01	SEC-BUTYLBENZENE	10/4/2019		Y	N	U		U	59	8.6	ug/kg
FP-1 (2-4)	L1944968-01	VINYL CHLORIDE	10/4/2019		Y	N	U		U	59	20	ug/kg
FP-1 (2-4)	L1944968-01	STYRENE	10/4/2019		Y	N	U		U	59	12	ug/kg
FP-1 (2-4)	L1944968-01	TRANS-1,4-DICHLORO-2-BUTENE	10/4/2019		Y	N	U		U	300	84	ug/kg
FP-1 (2-4)	L1944968-01	TRANS-1,3-DICHLOROPROPENE	10/4/2019		Y	N	U		U	59	16	ug/kg
FP-1 (2-4)	L1944968-01	TERT-BUTYLBENZENE	10/4/2019		Y	N	U		U	120	7.0	ug/kg
FP-1 (2-4)	L1944968-01	TRANS-1,2-DICHLOROETHENE	10/4/2019		Y	N	U		U	89	8.1	ug/kg
FP-1 (2-4)	L1944968-01	TETRACHLOROETHENE	10/4/2019		Y	N	U		U	30	12	ug/kg
FP-1 (2-4)	L1944968-01	TOLUENE	10/4/2019		Y	N	U		U	59	32	ug/kg
FP-1 (2-4)	L1944968-01	TRICHLOROFLUOROMETHANE	10/4/2019		Y	N	U		U	240	41	ug/kg
FP-1 (2-4)	L1944968-01	1,1,2,2-TETRACHLOROETHANE	10/4/2019		Y	N	U		U	30	9.8	ug/kg

SDG: L1944968

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FP-1 (2-4)	L1944968-01	N-PROPYLBENZENE	10/4/2019		Y	N	U		U	59	10	ug/kg
FP-1 (2-4)	L1944968-01	1,1,2-TRICHLOROETHANE	10/4/2019		Y	N	U		U	59	16	ug/kg
FP-1 (2-4)	L1944968-01	1,1-DICHLOROETHANE	10/4/2019		Y	N	U		U	59	8.6	ug/kg
FP-1 (2-4)	L1944968-01	O-CHLOROTOLUENE	10/4/2019		Y	N	U		U	120	11	ug/kg
FP-1 (2-4)	L1944968-01	N-BUTYLBENZENE	10/4/2019		Y	N	U		U	59	9.9	ug/kg
FP-1 (2-4)	L1944968-01	1,1-DICHLOROETHENE	10/4/2019		Y	N	U		U	59	14	ug/kg
FP-1 (2-4)	L1944968-01	1,1,1-TRICHLOROETHANE	10/4/2019		Y	N	U		U	30	9.9	ug/kg
FP-1 (6-7)	L1944968-03	STYRENE	10/4/2019		Y	N	U		U	0.99	0.19	ug/kg
FP-1 (6-7)	L1944968-03	1,4-DIETHYLBENZENE	10/4/2019		Y	N	U		U	2.0	0.17	ug/kg
FP-1 (6-7)	L1944968-03	SEC-BUTYLBENZENE	10/4/2019		Y	N	U		U	0.99	0.14	ug/kg
FP-1 (6-7)	L1944968-03	1,4-DICHLOROBENZENE	10/4/2019		Y	N	U		U	2.0	0.17	ug/kg
FP-1 (6-7)	L1944968-03	BROMODICHLOROMETHANE	10/4/2019		Y	N	U		U	0.49	0.11	ug/kg
FP-1 (6-7)	L1944968-03	1,3-DICHLOROPROPANE	10/4/2019		Y	N	U		U	2.0	0.16	ug/kg
FP-1 (6-7)	L1944968-03	1,3-DICHLOROPROPENE, TOTAL	10/4/2019		Y	N	U		U	0.49	0.16	ug/kg
FP-1 (6-7)	L1944968-03	TERT-BUTYLBENZENE	10/4/2019		Y	N	U		U	2.0	0.12	ug/kg
FP-1 (6-7)	L1944968-03	BROMOMETHANE	10/4/2019		Y	N	U	UJ	UJ	2.0	0.57	ug/kg
FP-1 (6-7)	L1944968-03	P-ISOPROPYLTOLUENE	10/4/2019		Y	N	U		U	0.99	0.11	ug/kg
FP-1 (6-7)	L1944968-03	BROMOFORM	10/4/2019		Y	N	U		U	3.9	0.24	ug/kg
FP-1 (6-7)	L1944968-03	1,3-DICHLOROBENZENE	10/4/2019		Y	N	U		U	2.0	0.15	ug/kg
FP-1 (6-7)	L1944968-03	1,3,5-TRIMETHYLBENZENE	10/4/2019		Y	N	U		U	2.0	0.19	ug/kg
FP-1 (6-7)	L1944968-03	N-BUTYLBENZENE	10/4/2019		Y	N	U		U	0.99	0.16	ug/kg
FP-1 (6-7)	L1944968-03	2-HEXANONE	10/4/2019		Y	N	U		U	9.9	1.2	ug/kg
FP-1 (6-7)	L1944968-03	O-CHLOROTOLUENE	10/4/2019		Y	N	U		U	2.0	0.19	ug/kg
FP-1 (6-7)	L1944968-03	ACRYLONITRILE	10/4/2019		Y	N	U		U	3.9	1.1	ug/kg
FP-1 (6-7)	L1944968-03	O-XYLENE	10/4/2019		Y	N	U		U	0.99	0.29	ug/kg

SDG: L1944968

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FP-1 (6-7)	L1944968-03	ACETONE	10/4/2019	17	Y	Y				9.9	4.7	ug/kg
FP-1 (6-7)	L1944968-03	BROMOBENZENE	10/4/2019		Y	N	U		U	2.0	0.14	ug/kg
FP-1 (6-7)	L1944968-03	4-METHYL-2-PENTANONE	10/4/2019		Y	N	U		U	9.9	1.3	ug/kg
FP-1 (6-7)	L1944968-03	P/M-XYLENE	10/4/2019		Y	N	U		U	2.0	0.55	ug/kg
FP-1 (6-7)	L1944968-03	1,4-DIOXANE	10/4/2019		Y	N	U		U	79	35	ug/kg
FP-1 (6-7)	L1944968-03	1,2-DICHLOROPROPANE	10/4/2019		Y	N	U		U	0.99	0.12	ug/kg
FP-1 (6-7)	L1944968-03	4-ETHYLTOLUENE	10/4/2019		Y	N	U		U	2.0	0.38	ug/kg
FP-1 (6-7)	L1944968-03	P-CHLOROTOLUENE	10/4/2019		Y	N	U		U	2.0	0.11	ug/kg
FP-1 (6-7)	L1944968-03	2-BUTANONE	10/4/2019		Y	N	U		U	9.9	2.2	ug/kg
FP-1 (6-7)	L1944968-03	N-PROPYLBENZENE	10/4/2019		Y	N	U		U	0.99	0.17	ug/kg
FP-1 (6-7)	L1944968-03	BROMOCHLOROMETHANE	10/4/2019		Y	N	U		U	2.0	0.20	ug/kg
FP-1 (6-7)	L1944968-03	2,2-DICHLOROPROPANE	10/4/2019		Y	N	U		U	2.0	0.20	ug/kg
FP-1 (6-7)	L1944968-03	BENZENE	10/4/2019		Y	N	U		U	0.49	0.16	ug/kg
FP-1 (6-7)	L1944968-03	NAPHTHALENE	10/4/2019	0.91	Y	Y	J		J	3.9	0.64	ug/kg
FP-1 (6-7)	L1944968-03	1,2-DICHLOROBENZENE	10/4/2019		Y	N	U		U	2.0	0.14	ug/kg
FP-1 (6-7)	L1944968-03	1,2,4-TRIMETHYLBENZENE	10/4/2019		Y	N	U		U	2.0	0.33	ug/kg
FP-1 (6-7)	L1944968-03	TETRACHLOROETHENE	10/4/2019		Y	N	U		U	0.49	0.19	ug/kg
FP-1 (6-7)	L1944968-03	ETHYL ETHER	10/4/2019		Y	N	U	UJ	UJ	2.0	0.34	ug/kg
FP-1 (6-7)	L1944968-03	1,2-DICHLOROETHANE	10/4/2019		Y	N	U		U	0.99	0.25	ug/kg
FP-1 (6-7)	L1944968-03	XYLENE (TOTAL)	10/4/2019		Y	N	U		U	0.99	0.29	ug/kg
FP-1 (6-7)	L1944968-03	HEXACHLOROBUTADIENE	10/4/2019		Y	N	U		U	3.9	0.17	ug/kg
FP-1 (6-7)	L1944968-03	ISOPROPYLBENZENE	10/4/2019		Y	N	U		U	0.99	0.11	ug/kg
FP-1 (6-7)	L1944968-03	1,1,1,2-TETRACHLOROETHANE	10/4/2019		Y	N	U		U	0.49	0.13	ug/kg
FP-1 (6-7)	L1944968-03	METHYL TERT BUTYL ETHER	10/4/2019		Y	N	U		U	2.0	0.20	ug/kg
FP-1 (6-7)	L1944968-03	DICHLORODIFLUOROMETHANE	10/4/2019		Y	N	U		U	9.9	0.90	ug/kg

SDG: L1944968

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FP-1 (6-7)	L1944968-03	1,1,1-TRICHLOROETHANE	10/4/2019		Y	N	U		U	0.49	0.16	ug/kg
FP-1 (6-7)	L1944968-03	VINYL CHLORIDE	10/4/2019		Y	N	U		U	0.99	0.33	ug/kg
FP-1 (6-7)	L1944968-03	1,1,2,2-TETRACHLOROETHANE	10/4/2019		Y	N	U		U	0.49	0.16	ug/kg
FP-1 (6-7)	L1944968-03	1,2,4-TRICHLOROBENZENE	10/4/2019		Y	N	U		U	2.0	0.27	ug/kg
FP-1 (6-7)	L1944968-03	1,2,4,5-TETRAMETHYLBENZENE	10/4/2019	0.24	Y	Y	J		J	2.0	0.19	ug/kg
FP-1 (6-7)	L1944968-03	1,1,2-TRICHLOROETHANE	10/4/2019		Y	N	U		U	0.99	0.26	ug/kg
FP-1 (6-7)	L1944968-03	1,2,3-TRICHLOROPROPANE	10/4/2019		Y	N	U		U	2.0	0.12	ug/kg
FP-1 (6-7)	L1944968-03	1,2,3-TRICHLOROBENZENE	10/4/2019		Y	N	U		U	2.0	0.32	ug/kg
FP-1 (6-7)	L1944968-03	1,1-DICHLOROETHANE	10/4/2019		Y	N	U		U	0.99	0.14	ug/kg
FP-1 (6-7)	L1944968-03	1,1-DICHLOROPROPENE	10/4/2019		Y	N	U		U	0.49	0.16	ug/kg
FP-1 (6-7)	L1944968-03	METHYLENE CHLORIDE	10/4/2019		Y	N	U		U	4.9	2.2	ug/kg
FP-1 (6-7)	L1944968-03	CARBON DISULFIDE	10/4/2019		Y	N	U		U	9.9	4.5	ug/kg
FP-1 (6-7)	L1944968-03	1,2-DICHLOROETHENE (TOTAL)	10/4/2019		Y	N	U		U	0.99	0.14	ug/kg
FP-1 (6-7)	L1944968-03	DIBROMOMETHANE	10/4/2019		Y	N	U		U	2.0	0.23	ug/kg
FP-1 (6-7)	L1944968-03	TOLUENE	10/4/2019		Y	N	U		U	0.99	0.54	ug/kg
FP-1 (6-7)	L1944968-03	1,1-DICHLOROETHENE	10/4/2019		Y	N	U		U	0.99	0.23	ug/kg
FP-1 (6-7)	L1944968-03	1,2-DIBROMOETHANE	10/4/2019		Y	N	U		U	0.99	0.28	ug/kg
FP-1 (6-7)	L1944968-03	TRANS-1,2-DICHLOROETHENE	10/4/2019		Y	N	U		U	1.5	0.14	ug/kg
FP-1 (6-7)	L1944968-03	ETHYLBENZENE	10/4/2019		Y	N	U		U	0.99	0.14	ug/kg
FP-1 (6-7)	L1944968-03	TRANS-1,3-DICHLOROPROPENE	10/4/2019		Y	N	U		U	0.99	0.27	ug/kg
FP-1 (6-7)	L1944968-03	DIBROMOCHLOROMETHANE	10/4/2019		Y	N	U		U	0.99	0.14	ug/kg
FP-1 (6-7)	L1944968-03	CARBON TETRACHLORIDE	10/4/2019		Y	N	U		U	0.99	0.23	ug/kg
FP-1 (6-7)	L1944968-03	TRANS-1,4-DICHLORO-2-BUTENE	10/4/2019		Y	N	U		U	4.9	1.4	ug/kg
FP-1 (6-7)	L1944968-03	VINYL ACETATE	10/4/2019		Y	N	U		U	9.9	2.1	ug/kg
FP-1 (6-7)	L1944968-03	CHLOROETHANE	10/4/2019		Y	N	U	UJ	UJ	2.0	0.44	ug/kg

Analytical Method	SW8260C											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
FP-1 (6-7)	L1944968-03	TRICHLOROETHENE	10/4/2019		Y	N	U		U	0.49	0.14	ug/kg
FP-1 (6-7)	L1944968-03	CHLOROFORM	10/4/2019		Y	N	J	U	U	1.5	0.14	ug/kg
FP-1 (6-7)	L1944968-03	CHLOROMETHANE	10/4/2019		Y	N	U		U	3.9	0.92	ug/kg
FP-1 (6-7)	L1944968-03	TRICHLOROFLUOROMETHANE	10/4/2019		Y	N	U		U	3.9	0.68	ug/kg
FP-1 (6-7)	L1944968-03	CIS-1,2-DICHLOROETHENE	10/4/2019		Y	N	U		U	0.99	0.17	ug/kg
FP-1 (6-7)	L1944968-03	CIS-1,3-DICHLOROPROPENE	10/4/2019		Y	N	U		U	0.49	0.16	ug/kg
FP-1 (6-7)	L1944968-03	CHLOROBENZENE	10/4/2019		Y	N	U		U	0.49	0.12	ug/kg
FP-1 (6-7)	L1944968-03	1,2-DIBROMO-3-CHLOROPROPANE	10/4/2019		Y	N	U		U	3.0	0.98	ug/kg

Analytical Method	SW8270D											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
FP-1 (2-4)	L1944968-01	2,4,5-TRICHLOROPHENOL	10/3/2019		Y	N	U		U	190	36	ug/kg
FP-1 (2-4)	L1944968-01	1,4-DIOXANE	10/3/2019		Y	N	U		U	28	8.6	ug/kg
FP-1 (2-4)	L1944968-01	1,4-DICHLOROBENZENE	10/3/2019		Y	N	U		U	190	33	ug/kg
FP-1 (2-4)	L1944968-01	1,3-DICHLOROBENZENE	10/3/2019		Y	N	U		U	190	32	ug/kg
FP-1 (2-4)	L1944968-01	1,2-DICHLOROBENZENE	10/3/2019		Y	N	U		U	190	34	ug/kg
FP-1 (2-4)	L1944968-01	1,2,4-TRICHLOROBENZENE	10/3/2019		Y	N	U		U	190	21	ug/kg
FP-1 (2-4)	L1944968-01	1,2,4,5-TETRACHLOROBENZENE	10/3/2019		Y	N	U		U	190	20	ug/kg
FP-1 (2-4)	L1944968-01	4-CHLOROPHENYL PHENYL ETHER	10/3/2019		Y	N	U		U	190	20	ug/kg
FP-1 (2-4)	L1944968-01	2,4,6-TRICHLOROPHENOL	10/3/2019		Y	N	U		U	110	36	ug/kg
FP-1 (2-4)	L1944968-01	HEXACHLOROBUTADIENE	10/3/2019		Y	N	U		U	190	27	ug/kg
FP-1 (2-4)	L1944968-01	BIS(2-CHLOROISOPROPYL)ETHER	10/3/2019		Y	N	U	UJ	UJ	220	32	ug/kg
FP-1 (2-4)	L1944968-01	BIS(2-ETHYLHEXYL)PHTHALATE	10/3/2019	310	Y	Y				190	65	ug/kg
FP-1 (2-4)	L1944968-01	BUTYL BENZYL PHTHALATE	10/3/2019		Y	N	U		U	190	47	ug/kg
FP-1 (2-4)	L1944968-01	CARBAZOLE	10/3/2019		Y	N	U		U	190	18	ug/kg

SDG: L1944968

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FP-1 (2-4)	L1944968-01	CHRYSENE	10/3/2019	1300	Y	Y				110	19	ug/kg
FP-1 (2-4)	L1944968-01	DI-N-BUTYLPHTHALATE	10/3/2019		Y	N	U		U	190	36	ug/kg
FP-1 (2-4)	L1944968-01	DI-N-OCTYLPHTHALATE	10/3/2019		Y	N	U		U	190	64	ug/kg
FP-1 (2-4)	L1944968-01	DIBENZO(A,H)ANTHRACENE	10/3/2019	260	Y	Y				110	22	ug/kg
FP-1 (2-4)	L1944968-01	DIBENZOFURAN	10/3/2019	82	Y	Y	J		J	190	18	ug/kg
FP-1 (2-4)	L1944968-01	DIETHYL PHTHALATE	10/3/2019		Y	N	U		U	190	17	ug/kg
FP-1 (2-4)	L1944968-01	DIMETHYL PHTHALATE	10/3/2019		Y	N	U		U	190	39	ug/kg
FP-1 (2-4)	L1944968-01	FLUORANTHENE	10/3/2019	2400	Y	Y				110	22	ug/kg
FP-1 (2-4)	L1944968-01	BIS(2-CHLOROETHYL)ETHER	10/3/2019		Y	N	U		U	170	25	ug/kg
FP-1 (2-4)	L1944968-01	HEXACHLOROBENZENE	10/3/2019		Y	N	U		U	110	21	ug/kg
FP-1 (2-4)	L1944968-01	HEXACHLOROCYCLOPENTADIENE	10/3/2019		Y	N	U	UJ	UJ	540	170	ug/kg
FP-1 (2-4)	L1944968-01	HEXACHLOROETHANE	10/3/2019		Y	N	U		U	150	30	ug/kg
FP-1 (2-4)	L1944968-01	ISOPHORONE	10/3/2019		Y	N	U		U	170	24	ug/kg
FP-1 (2-4)	L1944968-01	NITROSODIPHENYLAMINE(NDPA)/DPA	10/3/2019		Y	N	U		U	150	21	ug/kg
FP-1 (2-4)	L1944968-01	NAPHTHALENE	10/3/2019	160	Y	Y	J		J	190	23	ug/kg
FP-1 (2-4)	L1944968-01	NITROBENZENE	10/3/2019		Y	N	U		U	170	28	ug/kg
FP-1 (2-4)	L1944968-01	PENTACHLOROPHENOL	10/3/2019		Y	N	U		U	150	41	ug/kg
FP-1 (2-4)	L1944968-01	PHENANTHRENE	10/3/2019	1400	Y	Y				110	23	ug/kg
FP-1 (2-4)	L1944968-01	PHENOL	10/3/2019		Y	N	U		U	190	28	ug/kg
FP-1 (2-4)	L1944968-01	PYRENE	10/3/2019	2500	Y	Y				110	19	ug/kg
FP-1 (2-4)	L1944968-01	N-NITROSODI-N-PROPYLAMINE	10/3/2019		Y	N	U		U	190	29	ug/kg
FP-1 (2-4)	L1944968-01	P-CHLORO-M-CRESOL	10/3/2019		Y	N	U		U	190	28	ug/kg
FP-1 (2-4)	L1944968-01	2,4-DICHLOROPHENOL	10/3/2019		Y	N	U		U	170	30	ug/kg
FP-1 (2-4)	L1944968-01	4-BROMOPHENYL PHENYL ETHER	10/3/2019		Y	N	U		U	190	28	ug/kg
FP-1 (2-4)	L1944968-01	FLUORENE	10/3/2019	240	Y	Y				190	18	ug/kg

SDG: L1944968

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FP-1 (2-4)	L1944968-01	2-NITROANILINE	10/3/2019		Y	N	U		U	190	36	ug/kg
FP-1 (2-4)	L1944968-01	2,4-DIMETHYLPHENOL	10/3/2019		Y	N	U		U	190	62	ug/kg
FP-1 (2-4)	L1944968-01	INDENO(1,2,3-CD)PYRENE	10/3/2019	1000	Y	Y				150	26	ug/kg
FP-1 (2-4)	L1944968-01	BIS(2-CHLOROETHOXY)METHANE	10/3/2019		Y	N	U		U	200	19	ug/kg
FP-1 (2-4)	L1944968-01	2,4-DINITROTOLUENE	10/3/2019		Y	N	U		U	190	37	ug/kg
FP-1 (2-4)	L1944968-01	2,6-DINITROTOLUENE	10/3/2019		Y	N	U		U	190	32	ug/kg
FP-1 (2-4)	L1944968-01	2-CHLORONAPHTHALENE	10/3/2019		Y	N	U		U	190	18	ug/kg
FP-1 (2-4)	L1944968-01	2-CHLOROPHENOL	10/3/2019		Y	N	U		U	190	22	ug/kg
FP-1 (2-4)	L1944968-01	2-METHYLPHENOL	10/3/2019		Y	N	U		U	190	29	ug/kg
FP-1 (2-4)	L1944968-01	2,4-DINITROPHENOL	10/3/2019		Y	N	U		U	900	87	ug/kg
FP-1 (2-4)	L1944968-01	2-NITROPHENOL	10/3/2019		Y	N	U		U	400	70	ug/kg
FP-1 (2-4)	L1944968-01	3,3'-DICHLOROBENZIDINE	10/3/2019		Y	N	U		U	190	50	ug/kg
FP-1 (2-4)	L1944968-01	3-METHYLPHENOL/4-METHYLPHENOL	10/3/2019		Y	N	U		U	270	29	ug/kg
FP-1 (2-4)	L1944968-01	3-NITROANILINE	10/3/2019		Y	N	U		U	190	35	ug/kg
FP-1 (2-4)	L1944968-01	4,6-DINITRO-O-CRESOL	10/3/2019		Y	N	U		U	490	90	ug/kg
FP-1 (2-4)	L1944968-01	BENZO(A)PYRENE	10/3/2019	1200	Y	Y				150	46	ug/kg
FP-1 (2-4)	L1944968-01	BIPHENYL	10/3/2019		Y	N	U		U	430	43	ug/kg
FP-1 (2-4)	L1944968-01	BENZYL ALCOHOL	10/3/2019		Y	N	U		U	190	57	ug/kg
FP-1 (2-4)	L1944968-01	2-METHYLNAPHTHALENE	10/3/2019	200	Y	Y	J		J	220	23	ug/kg
FP-1 (2-4)	L1944968-01	4-CHLOROANILINE	10/3/2019		Y	N	U		U	190	34	ug/kg
FP-1 (2-4)	L1944968-01	BENZO(K)FLUORANTHENE	10/3/2019	860	Y	Y				110	30	ug/kg
FP-1 (2-4)	L1944968-01	BENZO(B)FLUORANTHENE	10/3/2019	1200	Y	Y				110	32	ug/kg
FP-1 (2-4)	L1944968-01	BENZOIC ACID	10/3/2019		Y	N	U		U	610	190	ug/kg
FP-1 (2-4)	L1944968-01	BENZO(A)ANTHRACENE	10/3/2019	1200	Y	Y				110	21	ug/kg
FP-1 (2-4)	L1944968-01	ANTHRACENE	10/3/2019	510	Y	Y				110	36	ug/kg

SDG: L1944968

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FP-1 (2-4)	L1944968-01	ACETOPHENONE	10/3/2019		Y	N	U		U	190	23	ug/kg
FP-1 (2-4)	L1944968-01	ACENAPHTHYLENE	10/3/2019	270	Y	Y				150	29	ug/kg
FP-1 (2-4)	L1944968-01	ACENAPHTHENE	10/3/2019	310	Y	Y				150	19	ug/kg
FP-1 (2-4)	L1944968-01	4-NITROPHENOL	10/3/2019		Y	N	U		U	260	76	ug/kg
FP-1 (2-4)	L1944968-01	4-NITROANILINE	10/3/2019		Y	N	U		U	190	78	ug/kg
FP-1 (2-4)	L1944968-01	BENZO(GHI)PERYLENE	10/3/2019	980	Y	Y				150	22	ug/kg
FP-1 (6-7)	L1944968-03	DIBENZOFURAN	10/3/2019	36	Y	Y	J		J	180	17	ug/kg
FP-1 (6-7)	L1944968-03	CARBAZOLE	10/3/2019	85	Y	Y	J		J	180	17	ug/kg
FP-1 (6-7)	L1944968-03	DIETHYL PHTHALATE	10/3/2019		Y	N	U		U	180	16	ug/kg
FP-1 (6-7)	L1944968-03	DIBENZO(A,H)ANTHRACENE	10/3/2019	160	Y	Y				110	20	ug/kg
FP-1 (6-7)	L1944968-03	DI-N-OCTYLPHTHALATE	10/3/2019		Y	N	U		U	180	60	ug/kg
FP-1 (6-7)	L1944968-03	DIMETHYL PHTHALATE	10/3/2019		Y	N	U		U	180	37	ug/kg
FP-1 (6-7)	L1944968-03	DI-N-BUTYLPHTHALATE	10/3/2019		Y	N	U		U	180	34	ug/kg
FP-1 (6-7)	L1944968-03	CHRYSENE	10/3/2019	990	Y	Y				110	18	ug/kg
FP-1 (6-7)	L1944968-03	BUTYL BENZYL PHTHALATE	10/3/2019		Y	N	U		U	180	45	ug/kg
FP-1 (6-7)	L1944968-03	BIS(2-ETHYLHEXYL)PHTHALATE	10/3/2019	110	Y	Y	J		J	180	61	ug/kg
FP-1 (6-7)	L1944968-03	BIS(2-CHLOROISOPROPYL)ETHER	10/3/2019		Y	N	U	UJ	UJ	210	30	ug/kg
FP-1 (6-7)	L1944968-03	BIS(2-CHLOROETHYL)ETHER	10/3/2019		Y	N	U		U	160	24	ug/kg
FP-1 (6-7)	L1944968-03	BIPHENYL	10/3/2019		Y	N	U		U	400	41	ug/kg
FP-1 (6-7)	L1944968-03	FLUORANTHENE	10/3/2019	1800	Y	Y				110	20	ug/kg
FP-1 (6-7)	L1944968-03	BENZYL ALCOHOL	10/3/2019		Y	N	U		U	180	54	ug/kg
FP-1 (6-7)	L1944968-03	BENZOIC ACID	10/3/2019		Y	N	U		U	570	180	ug/kg
FP-1 (6-7)	L1944968-03	BIS(2-CHLOROETHOXY)METHANE	10/3/2019		Y	N	U		U	190	18	ug/kg
FP-1 (6-7)	L1944968-03	NAPHTHALENE	10/3/2019	41	Y	Y	J		J	180	22	ug/kg
FP-1 (6-7)	L1944968-03	2,4-DIMETHYLPHENOL	10/3/2019		Y	N	U		U	180	58	ug/kg

SDG: L1944968

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FP-1 (6-7)	L1944968-03	BENZO(K)FLUORANTHENE	10/3/2019	440	Y	Y				110	28	ug/kg
FP-1 (6-7)	L1944968-03	P-CHLORO-M-CRESOL	10/3/2019		Y	N	U		U	180	26	ug/kg
FP-1 (6-7)	L1944968-03	N-NITROSODI-N-PROPYLAMINE	10/3/2019		Y	N	U		U	180	27	ug/kg
FP-1 (6-7)	L1944968-03	PYRENE	10/3/2019	1700	Y	Y				110	18	ug/kg
FP-1 (6-7)	L1944968-03	PHENANTHRENE	10/3/2019	840	Y	Y				110	22	ug/kg
FP-1 (6-7)	L1944968-03	PHENOL	10/3/2019		Y	N	U		U	180	27	ug/kg
FP-1 (6-7)	L1944968-03	NITROBENZENE	10/3/2019		Y	N	U		U	160	26	ug/kg
FP-1 (6-7)	L1944968-03	FLUORENE	10/3/2019	69	Y	Y	J		J	180	17	ug/kg
FP-1 (6-7)	L1944968-03	NITROSODIPHENYLAMINE(NDPA)/DPA	10/3/2019		Y	N	U		U	140	20	ug/kg
FP-1 (6-7)	L1944968-03	ISOPHORONE	10/3/2019		Y	N	U		U	160	23	ug/kg
FP-1 (6-7)	L1944968-03	INDENO(1,2,3-CD)PYRENE	10/3/2019	780	Y	Y				140	25	ug/kg
FP-1 (6-7)	L1944968-03	HEXACHLOROETHANE	10/3/2019		Y	N	U		U	140	29	ug/kg
FP-1 (6-7)	L1944968-03	HEXACHLOROCYCLOPENTADIENE	10/3/2019		Y	N	U	UJ	UJ	510	160	ug/kg
FP-1 (6-7)	L1944968-03	HEXACHLOROBUTADIENE	10/3/2019		Y	N	U		U	180	26	ug/kg
FP-1 (6-7)	L1944968-03	HEXACHLOROBENZENE	10/3/2019		Y	N	U		U	110	20	ug/kg
FP-1 (6-7)	L1944968-03	PENTACHLOROPHENOL	10/3/2019		Y	N	U		U	140	39	ug/kg
FP-1 (6-7)	L1944968-03	2-CHLORONAPHTHALENE	10/3/2019		Y	N	U		U	180	18	ug/kg
FP-1 (6-7)	L1944968-03	3-NITROANILINE	10/3/2019		Y	N	U		U	180	33	ug/kg
FP-1 (6-7)	L1944968-03	3-METHYLPHENOL/4-METHYLPHENOL	10/3/2019		Y	N	U		U	260	28	ug/kg
FP-1 (6-7)	L1944968-03	3,3'-DICHLOROBENZIDINE	10/3/2019		Y	N	U		U	180	47	ug/kg
FP-1 (6-7)	L1944968-03	2-NITROPHENOL	10/3/2019		Y	N	U		U	380	67	ug/kg
FP-1 (6-7)	L1944968-03	2-NITROANILINE	10/3/2019		Y	N	U		U	180	34	ug/kg
FP-1 (6-7)	L1944968-03	2-METHYLPHENOL	10/3/2019		Y	N	U		U	180	27	ug/kg
FP-1 (6-7)	L1944968-03	2,4-DINITROTOLUENE	10/3/2019		Y	N	U		U	180	35	ug/kg
FP-1 (6-7)	L1944968-03	2-CHLOROPHENOL	10/3/2019		Y	N	U		U	180	21	ug/kg

SDG: L1944968

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FP-1 (6-7)	L1944968-03	4-CHLOROANILINE	10/3/2019		Y	N	U		U	180	32	ug/kg
FP-1 (6-7)	L1944968-03	2,6-DINITROTOLUENE	10/3/2019		Y	N	U		U	180	30	ug/kg
FP-1 (6-7)	L1944968-03	2,4-DINITROPHENOL	10/3/2019		Y	N	U		U	850	82	ug/kg
FP-1 (6-7)	L1944968-03	2,4-DICHLOROPHENOL	10/3/2019		Y	N	U		U	160	28	ug/kg
FP-1 (6-7)	L1944968-03	2,4,6-TRICHLOROPHENOL	10/3/2019		Y	N	U		U	110	34	ug/kg
FP-1 (6-7)	L1944968-03	2,4,5-TRICHLOROPHENOL	10/3/2019		Y	N	U		U	180	34	ug/kg
FP-1 (6-7)	L1944968-03	1,4-DIOXANE	10/3/2019		Y	N	U		U	26	8.2	ug/kg
FP-1 (6-7)	L1944968-03	2-METHYLNAPHTHALENE	10/3/2019	36	Y	Y	J		J	210	21	ug/kg
FP-1 (6-7)	L1944968-03	1,3-DICHLOROBENZENE	10/3/2019		Y	N	U		U	180	30	ug/kg
FP-1 (6-7)	L1944968-03	BENZO(B)FLUORANTHENE	10/3/2019	1200	Y	Y				110	30	ug/kg
FP-1 (6-7)	L1944968-03	BENZO(A)PYRENE	10/3/2019	970	Y	Y				140	43	ug/kg
FP-1 (6-7)	L1944968-03	BENZO(A)ANTHRACENE	10/3/2019	1000	Y	Y				110	20	ug/kg
FP-1 (6-7)	L1944968-03	ANTHRACENE	10/3/2019	240	Y	Y				110	34	ug/kg
FP-1 (6-7)	L1944968-03	ACETOPHENONE	10/3/2019		Y	N	U		U	180	22	ug/kg
FP-1 (6-7)	L1944968-03	1,2,4,5-TETRACHLOROBENZENE	10/3/2019		Y	N	U		U	180	18	ug/kg
FP-1 (6-7)	L1944968-03	4,6-DINITRO-O-CRESOL	10/3/2019		Y	N	U		U	460	85	ug/kg
FP-1 (6-7)	L1944968-03	1,2-DICHLOROBENZENE	10/3/2019		Y	N	U		U	180	32	ug/kg
FP-1 (6-7)	L1944968-03	4-BROMOPHENYL PHENYL ETHER	10/3/2019		Y	N	U		U	180	27	ug/kg
FP-1 (6-7)	L1944968-03	1,4-DICHLOROBENZENE	10/3/2019		Y	N	U		U	180	31	ug/kg
FP-1 (6-7)	L1944968-03	ACENAPHTHYLENE	10/3/2019	260	Y	Y				140	27	ug/kg
FP-1 (6-7)	L1944968-03	ACENAPHTHENE	10/3/2019	51	Y	Y	J		J	140	18	ug/kg
FP-1 (6-7)	L1944968-03	4-NITROPHENOL	10/3/2019		Y	N	U		U	250	72	ug/kg
FP-1 (6-7)	L1944968-03	4-NITROANILINE	10/3/2019		Y	N	U		U	180	73	ug/kg
FP-1 (6-7)	L1944968-03	4-CHLOROPHENYL PHENYL ETHER	10/3/2019		Y	N	U		U	180	19	ug/kg
FP-1 (6-7)	L1944968-03	BENZO(GHI)PERYLENE	10/3/2019	750	Y	Y				140	21	ug/kg

SDG: L1944968

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FP-1 (6-7)	L1944968-03	1,2,4-TRICHLOROBENZENE	10/3/2019		Y	N	U		U	180	20	ug/kg

APPENDIX J: SUPPLEMENTAL REMEDIAL INVESTIGATION REPORT

(SRI-1 Report)

BCP No. C360182
Centre Avenue Development – South
Supplemental Remedial Investigation

Introduction

NYSDEC requested in a letter dated July 17, 2020 that a Supplemental Remedial Investigation (SRI) of the Site be conducted at 10 proposed locations. In response, SESI submitted an SRI Work Plan on July 22, 2020 to install and sample monitoring wells at the 10 proposed additional locations to determine the presence of deeper water-bearing fractures at the Site, and to vertically delineate groundwater contamination. The Department's letter requested that geophysical logging be completed at each sampling location, and that the results of the logging should be used to determine screen depths of the wells. The field work during this SRI was completed post the IRM excavation of the Site to a general elevation of 77 feet above mean sea level (ft-amsl). The wells installed during the RIR were removed or destroyed as a result of the excavation work. A dewatering system was installed as part of the IRM excavation. The dewatering system pumped water from three sumps located at the west side of the Site. The dewatering water was treated through settlement, filtration, and carbon adsorption prior to discharge into the City of New Rochelle sewage system.

Borehole Drilling and Logging

Boreholes were drilled in ten (10) locations across the Site indicated on **Figure SRI1-A** (attached): 3 borehole locations on the east side of the Site and 7 borehole locations on the west side of the Site. The locations were in general compliance with proposed location in the NYSDEC letter. The locations of boreholes MW-202, MW-203, MW207 and MW208 were field adjusted to accommodate for the proposed building foundations. Boreholes were drilled beginning in late July and continuing into August 2020 by AARCO Environmental Services (AARCO). Air rotary drilling methods were utilized to complete drilling at each location. In order to minimize the potential for cross-contamination of deeper fracture zones, two boreholes were drilled in each location on the western half of the Site (MW-204 through MW-210). One borehole was drilled as an open hole to a relatively shallow depth to access shallow fracture zones and one borehole was drilled to a deeper depth with the shallower portion of the borehole cased off to seal shallower fractures, and the deeper portion left as an open hole. Terminal drilling depths at each location were determined in consultation with and approved by the NYSDEC as presented **Table J-1** (attached).

Geophysical logging of each borehole was completed in August 2020 by Earth Data Northeast (EDN). The logging results and summary report prepared by EDN were attached to an SRI letter report prepared by SESI and submitted to the Department on August 27, 2020 (**Attachment A**). The SRI letter report included proposed well depth intervals for each location. The NYSDEC responded to the letter report providing comments on the geophysics report and recommended well screen depths in two separate emails both dated Septembers 2, 2020.

EDN has concluded in their report that two different geological conditions exist on the property.

1. The east side of the Site is underlain with a competent layer that is located at the current site grade.
2. The west side of the Site exhibits distinct fracture sets/zones existing beneath this portion of the Site and are separated by competent bedrock. SESI concurs with this conclusion based on review of the logs, most of which exhibit zones with one or more fractures separated by a zone of more competent bedrock with discontinuous microfractures, which varies in thickness from at least 10 feet to more than 25 feet.

Monitoring Well Installation and Sampling

The wells were installed in the boreholes that were already drilled for geophysics at the screen depth intervals consistent with the DEC comments. Monitoring wells were installed and developed by AARCO between September 8 and 15, 2020. All wells were installed at the agreed-upon screen depths with the exception of MW-204, which was proposed to be screened from 55-70 ft amsl (above mean sea level), but was instead screened from 55-60 ft amsl due to grouting of the shallow borehole and inability to access the area with a drill rig to re-drill the well due to construction activities. The resultant well screen depths/elevations and the rationale for each one are included on Table J-1. Three wells (MW201, MW202, and MW203), were installed as single wells at the East side of the Site. MW201 is dry. At the west side of the Site, shallow/deep well pairs were installed at four locations (MW-205, MW-207, MW-208, and MW-209), and shallow, intermediate, and deep wells were installed at location MW-210, for a total of 12 wells.

Monitoring wells were sampled between September 9 and 17, 2020 by SESI, as shown on Table J-1. Wells were sampled in accordance with USEPA low flow sampling procedures (LFSP) as described in Section 4.5 of the RIR. Well purge logs are included as **Attachment B** to this appendix. All samples were sent to Alpha Analytical (an ELAP-accredited laboratory) for analysis of TCL VOCs, TAL Metals, PFAS, and 1,4-dioxane. Laboratory analytical reports are included as **Attachment C**.

Groundwater Sample Results

The sample results were compared to the AWQS, PFAS action trigger levels, and the MCL for 1,4-dioxane. VOC constituents that exceeded the AWQS for each well are shown in Table J-2 below, metals constituents that exceeded the AWQS for each well are shown in Table J-3 below, PFAS constituents exceeding the NYSDEC Action Trigger Levels are shown on Table J-5 below, and 1,4-dioxane exceeding the New York State Maximum Contaminant Level (MCL) is shown in Table J-6 below. Yellow highlighting indicates an exceedance of the AWQS, Action Trigger Level, or MCL. Tables J-4 and J-7 (Attached) contain a summary of the analytical data. VOC and metals results are also shown on Figure SRI-1, and PFAS and 1,4-dioxane results are also shown on **Figure SRI1-B**.

Table J-2: VOCs in Groundwater Exceeding AWQS

East Side Wells (MW201-dry)

LOCATION			MW-202	MW-203
SAMPLING DATE	NY-AWQS		9/9/2020	9/9/2020
1,1-Dichloroethane	5	ug/l	ND	ND
Tetrachloroethene	5	ug/l	0.44J	ND
1,2-Dichloroethane	0.6	ug/l	ND	ND
1,1,1-Trichloroethane	5	ug/l	ND	ND
Toluene	5	ug/l	ND	ND
1,1-Dichloroethene	5	ug/l	ND	ND
Trichloroethene	5	ug/l	0.24J	ND
Xylenes, Total	5	ug/l	22	ND
Acetone	50	ug/l	15	330
2-Butanone	50	ug/l	47	2400

West Side Wells

LOCATION			MW-204	MW-205S	MW-205D	MW-206	MW-207S	MW-207D
SAMPLING DATE	NY-AWQS		9/15/2020	9/17/2020	9/17/2020	9/11/2020	9/15/2020	9/15/2020
1,1-Dichloroethane	5	ug/l	12	ND	15	2.3J	ND	580
Tetrachloroethene	5	ug/l	1.3	170	280	0.39J	ND	37J
1,2-Dichloroethane	0.6	ug/l	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ug/l	5.2	ND	230	500	140000	32000
Toluene	5	ug/l	0.78J	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ug/l	7.5	ND	15	8.4	1600	2800
Trichloroethene	5	ug/l	4.1	14	36	9.2	520	1000
Xylenes, Total	5	ug/l	ND	82	4.4 J	ND	ND	ND
Acetone	50	ug/l	3.9J	1300	480	70	5000	1100
2-Butanone	50	ug/l	41	310	180	46	3200J	700J

LOCATION			MW-208S	MW-208D	MW-209S	MW-209D	MW-210S	MW-210I	MW-210D
SAMPLING DATE	NY-AWQS		9/16/2020	9/16/2020	9/12/20	9/12/2020	9/15/2020	9/15/2020	9/15/2020
1,1-Dichloroethane	5	ug/l	12	26	14J	8.8J	62	180	430
Tetrachloroethene	5	ug/l	44	3.1J	ND	1.4J	8.3	15	36
1,2-Dichloroethane	0.6	ug/l	ND	ND	ND	ND	2.4J	6.3J	22J
1,1,1-Trichloroethane	5	ug/l	55	31	440	28	980	4200	12000
Toluene	5	ug/l	ND	ND	ND	ND	4.7J	24J	110J
1,1-Dichloroethene	5	ug/l	9.4	6.8	96	53	440	1200	3700
Trichloroethene	5	ug/l	13	15	2300	700	1700	3600	1800
p/m-Xylene	5	ug/l	1.8J	ND	ND	7.6	3.5J	ND	ND
Acetone	50	ug/l	220	1000	30J	390	52	89J	260
2-Butanone	50	ug/l	70	290	43J	350	23J	57J	150J

J: An Estimated Value
ND: Compound Not Detected
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004

Table J-3: Metals in Groundwater Exceeding AWQS

East Side Wells (MW201 – dry)

LOCATION				MW-202	MW-203
	AWQS	TOGS Class GA		9/9/2020	9/9/2020
Aluminum, Total		2000	ug/l	236	671
Antimony, Total	3	6	ug/l	ND	ND
Barium, Total	1000	2000	ug/l	129.3	251
Beryllium, Total	3	3	ug/l	0.5	1.21
Chromium, Total	50	100	ug/l	0.65 J	0.96 J
Copper, Total	200	1000	ug/l	0.51 J	30.99
Iron, Total	300	600	ug/l	4440	11000
Lead, Total	25	50	ug/l	ND	1.25
Magnesium, Total	35000	35000	ug/l	23000	75800
Manganese, Total	300	600	ug/l	688.5	3863
Nickel, Total	100	200	ug/l	2.72	49.38
Sodium, Total	20000		ug/l	280000	189000
Thallium, Total	0.5	0.5	ug/l	0.16 J	0.2 J
Zinc, Total	2000	5000	ug/l	240.6	22.62

West Side Wells

LOCATION				MW-204	MW-205S	MW-205D	MW-206	MW-207S	MW-207D
	AWQS	TOGS Class GA		9/15/2020	9/17/20	9/17/20	9/11/2020	9/15/2020	9/15/2020
Aluminum, Total		2000	ug/l	19.1	15000		604	124	65.6
Antimony, Total	3	6	ug/l	0.45 J	1.42 J	0.42 J	1.034 J	ND	ND
Barium, Total	1000	2000	ug/l	99.14	235.1	84.17	49.6	99.88	53.79
Beryllium, Total	3	3	ug/l	ND	0.74	ND	ND	0.84	0.18 J
Chromium, Total	50	100	ug/l	ND	42.51	1.37	6.083	85.81	0.7 J
Copper, Total	200	1000	ug/l	ND	83.66	23.04	5.084	10.8	1.46
Iron, Total	300	600	ug/l	53200	26200	20500	1960	3860	30400
Lead, Total	25	50	ug/l	ND	8.91	ND	0.7085 J	2.6	ND
Magnesium, Total	35000	35000	ug/l	105000	23900	48400	14400	40800	63000
Manganese, Total	300	600	ug/l	3625	2170	3092	244	2825	4288
Nickel, Total	100	200	ug/l	1179	409.1	1057	62.72	418.6	313.5
Sodium, Total	20000		ug/l	387000	318000	309000	388000	352000	152000
Thallium, Total	0.5	0.5	ug/l	ND	0.37 J	0.17 J	ND	ND	ND
Zinc, Total	2000	5000	ug/l	12.36	74.79	14.48	6.014 J	12.22	15.54

LOCATION				MW-208S	MW-208D	MW-209S	MW-209D	MW-210S	MW-210I	MW-210D
	AWQS	TOGS Class GA		9/16/2020	9/16/2020	9/12/2020	9/12/2020	9/15/2020	9/15/2020	9/15/2020
Aluminum, Total		2000	ug/l	39.4	107000	212	106	78	1960	10
Antimony, Total	3	6	ug/l	ND	4.53 J	ND	0.4662 J	ND	ND	ND
Barium, Total	1000	2000	ug/l	104.1	3043	105.5	130.4	66.05	75.43	41.15
Beryllium, Total	3	3	ug/l	ND	76.49	ND	ND	ND	0.8	ND
Chromium, Total	50	100	ug/l	ND	1945	5.183	3.219	6.17	37.11	2.15
Copper, Total	200	1000	ug/l	0.49 J	4035	0.8087 J	0.8996 J	0.68 J	1.89	ND
Iron, Total	300	600	ug/l	36800	379000	10300	28400	4030	36700	60400
Lead, Total	25	50	ug/l	ND	181.2	ND	ND	ND	5.66	ND
Magnesium, Total	35000	35000	ug/l	78400	485000	38000	75100	31300	51900	65500
Manganese, Total	300	600	ug/l	3493	19620	1979	2634	2178	2729	3782
Nickel, Total	100	200	ug/l	727.8	4472	5.748	8.435	36.34	43.44	32.83
Sodium, Total	20000		ug/l	340000	310000	210000	135000	292000	201000	115000
Thallium, Total	0.5	0.5	ug/l	ND	2.85 J	0.2079 J	0.2689 J	ND	0.19 J	ND
Zinc, Total	2000	5000	ug/l	8.44 J	2173	ND	4.976 J	5.34 J	12.44	ND

J: An Estimated Value
ND: Compound Not Detected
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004

Table J-5: PFAS in Groundwater

East Side Wells

Well ID			MW-202	MW-203
Sampling Date			9/9/2020	9/9/2020
Sample Type			WATER	WATER
	NYS PFAS	Units	Results	Results
Perfluorinated Alkyl Acids by Isotope Dilution				
Perfluorooctanoic Acid (PFOA)	10	ng/l	32.6	35
Perfluorooctanesulfonic Acid (PFOS)	10	ng/l	104	78.9
PFOA/PFOS, Total	500	ng/l	137	113.9

West Side Wells

Well ID			MW-204	MW-205S	MW-205D	MW-206	MW-207D	MW-207S
Sampling Date			9/15/2020	9/17/2020	9/17/2020	9/11/2020	9/15/2020	9/15/2020
Sample Type			WATER	WATER	WATER	WATER	WATER	WATER
	NYS PFAS	Units	Results	Results	Results	Results	Results	Results
Perfluorinated Alkyl Acids by Isotope Dilution								
Perfluorooctanoic Acid (PFOA)	10	ng/l	42.2	233	55.2	20.4	58.9	41.2
Perfluorooctanesulfonic Acid (PFOS)	10	ng/l	166	758	250	88.1	437	292
PFOA/PFOS, Total	500	ng/l	208.2	991	305	109	495.9	333.2

Well ID			MW-208D	MW-208S	MW-209D	MW-209S	MW-210S	MW-210I	MW-210D
Sampling Date			9/16/2020	9/16/2020	9/12/2020	9/12/2020	9/15/2020	9/15/2020	9/15/2020
Sample Type			WATER	WATER	WATER	WATER	WATER	WATER	WATER
	NYS PFAS	Units	Results	Results	Results	Results	Results	Results	Results
Perfluorinated Alkyl Acids by Isotope Dilution									
Perfluorooctanoic Acid (PFOA)	10	ng/l	139	44.2	29.4	47.4	53.9	55.2	63.6
Perfluorooctanesulfonic Acid (PFOS)	10	ng/l	579	174	193	383	904	558	618
PFOA/PFOS, Total	500	ng/l	718	218.2	222	430	957.9	613.2	681.6

NYS PFAS: NYSDEC Guidelines for Sampling and Analysis of PFAS Groundwater Action Level Trigger (January 2020)

Table J-6: 1,4-Dioxane in Groundwater

East Side Wells (No Exceedances)

West Side Wells

Well ID			MW-205S	MW-205D	MW-206	MW-207D	MW-207S	MW-208S
Sampling Date			9/17/2020	9/17/2020	9/11/2020	9/15/2020	9/15/2020	9/16/2020
Sample Type			WATER	WATER	WATER	WATER	WATER	WATER
	NYS MCL	Units	Results	Results	Results	Results	Results	Results
1,4-Dioxane	1	ug/l	7.62	5.06	1.25	86.8	43.8	2.22

Well ID			MW-208D	MW-209D	MW-209S	MW-210S	MW-210I	MW-210D
Sampling Date			9/16/2020	9/12/2020	9/12/2020	9/15/2020	9/15/2020	9/15/2020
Sample Type			WATER	WATER	WATER	WATER	WATER	WATER
	NYS MCL	Units	Results	Results	Results	Results	Results	Results
1,4-Dioxane	1	ug/l	8.08	81.1	296	240	294	151

NYS MCL: NYSDEC Maximum Contaminant Level

VOCs

East side of the Site: The VOC exceedances of the wells (MW-202 and -203) are presented in Table J-2. MW-201 did not yield any water for sampling at the installed depth. In MW-202, total xylenes were 22.1 ug/L, which is above their AWQS of 5 ug/L. The exceedance in xylenes is not a result of a site discharge because the RIR sampling did not result in any xylenes in MW2, which

was located near/upgradient of the current MW-202 location. This exceedance is limited in area because it does not show in MW-203 or MW-204. Acetone and 2-butanone exceeded their respective AWQS in MW-203. These compounds are routinely used in laboratory cleaning and are likely present due to laboratory-derived contamination. As such they are not considered a concern at the Site.

West side of the Site: Chlorinated VOCs including 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethane, 1,1-dichloroethene, trichloroethene, and tetrachloroethene were detected in excess of AWQS in all wells located on the western half of the Site. The highest concentrations are generally present in wells MW-207S, MW-207D, MW-210D, and MW-210I as shown in Table J-1. Elevated concentrations of 1,1,1-TCA in wells MW-207D and MW-210D, which were both screened in the deeper fracture zone (approx. 45-50 ft bg), are likely due to downward transport through potentially transmissive microfractures in the competent rock zones identified during geophysical logging. This is also likely to have occurred at locations 205, 208, and 209 based on the presence of 1,1,1-TCA and other chlorinated VOCs present in the deeper well, sometimes at higher concentrations than the shallower well. The overall maximum concentration of 1,1,1-TCA identified during this SRI (140,000 ug/L) is an order of magnitude lower than that identified during the RI in late 2019 (1,000,000 ug/L), and this is likely due to the removal, treatment, and offsite discharge of contaminated groundwater from sumps during excavation dewatering, which served to remove some of the contaminant mass and partially remediate the source zone. As noted for the east side, the presence of acetone and 2-butanone above the AQWS in several wells is likely due to laboratory-derived contamination.

Metals

East side of the Site: Only naturally-occurring metals were identified in excess of their AWQS in the East side wells, including manganese, magnesium, iron, and sodium.

West side of the Site: Chromium was identified in well MW-207S exceeding the AWQS but below the Class GA Standard. Nickel was identified in seven (7) wells and lead in one well exceeding their respective AWQS/Class GA Standards. Chromium and nickel were both identified in excess of AWQS during the RI as well and the exceedances identified during this SRI may also be related to historical site operations. All metals in MW-208D were detected at concentrations exceeding the AWQS and Class GA standards, this may be attributed to high and/or variable sample turbidity as indicated on the groundwater purge log for this sample which shows that stabilization of all parameters (temperature, pH, ORP, DO, specific conductivity) except for turbidity was achieved

prior to sampling. Based on the stabilization of all other parameters, the sample was collected appropriately based on LFPS procedures.

Emerging Contaminants

East side of the Site: PFOS was detected in wells MW-202 and MW-203 at concentrations of 104 ng/l and 78.9 ng/l, respectively, and PFOA was detected at 32.6 ng/l and 35 ng/l, respectively, similar to those detected at the most upgradient wells during the RI (MW-1 and MW-3). These levels exceed the NYSDEC Action Level Trigger of 10 ng/l for PFOS and PFOA. 1,4-dioxane was not detected in any wells on the east side exceeding the NYS MCL.

West side of the Site: PFOS concentrations are generally considerably elevated on the west side as compared to the east side, with a maximum concentration of 904 ppt in MW-210S. PFOA concentrations are slightly to moderately higher on the west side, with 2 wells over 100 ppt (MW-205S and MW-208D). Likewise all exceedances of 1,4-dioxane are on the west side, with a maximum concentration of 296 ug/l in MW-209S. These elevated concentrations of emerging contaminants on the west side are likely related to historical site operations. It should be noted that PFAS and PFOA concentrations are considerably lower than those detected during the RI from December 2019, and this is also likely due to the removal, treatment, and offsite discharge of contaminated groundwater from sumps during excavation dewatering.

SRI Data DUSR and EDDs

Data usability study report (DUSR) have been conducted by a third-party validator for the SRI data. Electronic data deliverables (EDDs) have been uploaded on the NYSDEC EQuIS system upon completion of the analytical data. The DUSR is included as **Attachment D**.

Conclusions of the groundwater supplemental sampling.

East Side of the Site:

- The east side of the site is underlain by a competent layer that is located at the current Site grade.
- Analytical data from monitoring wells installed on the eastern side of the site indicates elevated levels of PFAS and a concentration of xylene in monitoring well MW-202 above AWQS. The groundwater in New Rochelle is not used as a drinking water source and these exceedances are limited in their area..

West Side of the Site:

- The supplemental investigation confirmed the findings of the RIR conducted in December 2019 and reported in February 2020. The Site geology is formed of competent rock with water bearing fractures. The fractures were identified at different elevation depending on the location on the Site.
- The same contaminants of concern (COCs) including the CVOCs, toluene, PFOS/PFOA, and 1,4 dioxane were identified in both the RI and the SRI. There was significant drop in the CVOC, PFOS, PFOA, and toluene concentrations from the RI compared to the SRI data as result of the dewatering conducted during the IRM.
- The source area was further delineated as a result of the SRI as shown in Figures SRI1-A and SRI1-B.

Attachments

Tables

Table J-1 – Well Construction Details
Table J-4 – Sample Data Summary – Metals and VOCs
Table J-7 – Sample Data Summary – Emerging Contaminants

Figures

Figure SRI1-A – Monitoring Well Sample Results – VOCs and Metals
Figure SRI1-B – Monitoring Well Sample Results – Emerging Contaminants

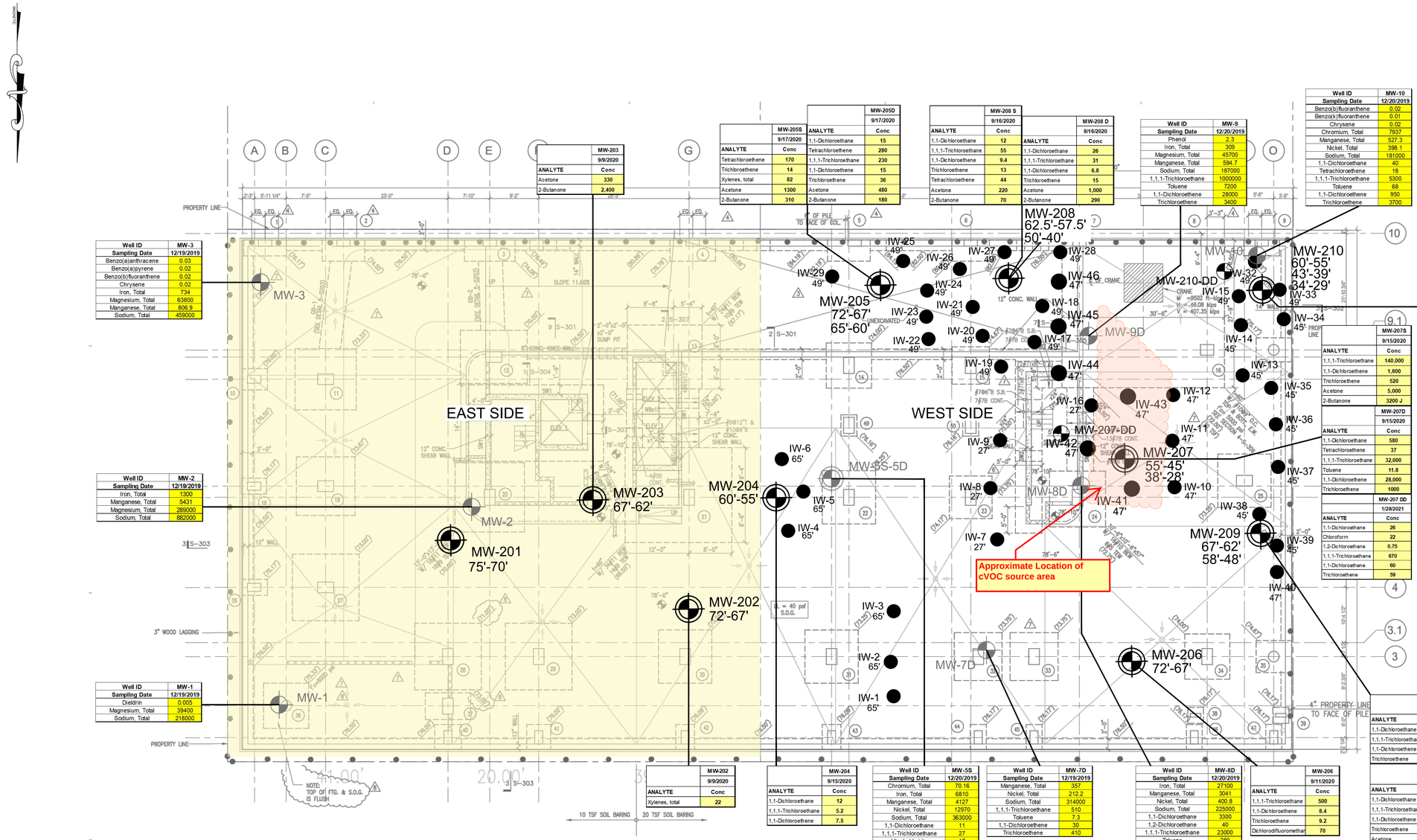
Attachment A: Geophysical Logging Summary Letter and Report

Attachment B: Groundwater Sampling Purge Logs

Attachment C: Laboratory Analytical Reports

Attachment D: Data Usability Summary Report

FIGURES



Well ID	MW-3
Sampling Date	12/19/2019
Benzo(a)anthracene	0.03
Benzo(a)pyrene	0.02
Benzo(b)fluoranthene	0.02
Chrysene	0.02
Iron, Total	734
Magnesium, Total	63800
Manganese, Total	806.9
Sodium, Total	459000

Well ID	MW-2
Sampling Date	12/19/2019
Iron, Total	1300
Manganese, Total	5431
Magnesium, Total	289000
Sodium, Total	882000

Well ID	MW-1
Sampling Date	12/19/2019
Dieldrin	0.005
Magnesium, Total	39400
Sodium, Total	218000

	MW-203
	9/9/2020
ANALYTE	Conc
Acetone	330
2-Butanone	2,400

	MW-205S
	9/17/2020
ANALYTE	Conc
Tetrachloroethene	170
Trichloroethene	14
Xylenes, total	82
Acetone	1300
2-Butanone	310

	MW-205D
	9/17/2020
ANALYTE	Conc
1,1-Dichloroethane	15
Tetrachloroethene	280
1,1,1-Trichloroethane	230
1,1-Dichloroethene	15
Trichloroethene	36
Acetone	480
2-Butanone	180

	MW-208 S
	9/16/2020
ANALYTE	Conc
1,1-Dichloroethane	12
1,1,1-Trichloroethane	55
1,1-Dichloroethane	9.4
Trichloroethene	13
Tetrachloroethene	44
Acetone	220
2-Butanone	70

	MW-208 D
	9/16/2020
ANALYTE	Conc
1,1-Dichloroethane	26
1,1,1-Trichloroethane	31
1,1-Dichloroethene	6.8
Trichloroethene	15
Acetone	1,000
2-Butanone	290

Well ID	MW-9
Sampling Date	12/20/2019
Phenol	2.3
Iron, Total	309
Magnesium, Total	45700
Manganese, Total	594.7
Sodium, Total	187000
1,1,1-Trichloroethane	1000000
Toluene	7200
1,1-Dichloroethene	28000
Trichloroethene	3400

Well ID	MW-10
Sampling Date	12/20/2019
Benzo(b)fluoranthene	0.02
Benzo(k)fluoranthene	0.01
Chrysene	0.02
Chromium, Total	7937
Manganese, Total	527.3
Nickel, Total	398.1
Sodium, Total	181000
1,1-Dichloroethane	40
Tetrachloroethene	18
1,1,1-Trichloroethane	5300
Toluene	68
1,1-Dichloroethene	950
Trichloroethene	3700

	MW-210 S
	9/15/2020
ANALYTE	Conc
1,1-Dichloroethane	62
Tetrachloroethene	8.3
1,2-Dichloroethane	2.4
1,1,1-Trichloroethane	980
1,1-Dichloroethene	440
Trichloroethene	1,700
Acetone	52
	MW-210I
	9/15/2020
ANALYTE	Conc
1,1-Dichloroethane	180
Tetrachloroethene	15
1,2-Dichloroethane	6.3J
1,1,1-Trichloroethane	4,200
Toluene	24J
1,1-Dichloroethene	1200J
Trichloroethene	3,600
Acetone	89J
Carbon Disulfide	57J

	MW-207S
	9/15/2020
ANALYTE	Conc
1,1,1-Trichloroethane	140,000
1,1-Dichloroethene	1,600
Trichloroethene	520
Acetone	5,000
2-Butanone	3200 J
	MW-207D
	9/15/2020
ANALYTE	Conc
1,1-Dichloroethane	580
Tetrachloroethene	37
1,1,1-Trichloroethane	32,000
Toluene	11.8
1,1-Dichloroethene	28,000
Trichloroethene	1000
	MW-207 DD
	1/28/2021
ANALYTE	Conc
1,1-Dichloroethane	26
Chloroform	22
1,2-Dichloroethane	0.75
1,1,1-Trichloroethane	670
1,1-Dichloroethene	60
Trichloroethene	59

	MW-210 D
	9/15/2020
ANALYTE	Conc
1,1-Dichloroethane	430
Tetrachloroethene	36
1,2-Dichloroethane	22 J
1,1,1-Trichloroethane	12,000
Toluene	110
1,1-Dichloroethene	3,700
Trichloroethene	1,800
	MW-210 DD
	1/28/2021
ANALYTE	Conc
1,1-Dichloroethane	74
Chloroform	28
1,2-Dichloroethane	1.9
1,1,1-Trichloroethane	1400
Toluene	8.7
1,1-Dichloroethene	220
Trichloroethene	160

	MW-209S
	9/12/2020
ANALYTE	Conc
1,1-Dichloroethane	14J
1,1,1-Trichloroethane	440
1,1-Dichloroethene	96
Trichloroethene	2,300
	MW-209 D
	9/12/2020
ANALYTE	Conc
1,1-Dichloroethane	8.8
1,1,1-Trichloroethane	28
1,1-Dichloroethene	53
Trichloroethene	700
Acetone	390
2-Butanone	350

	MW-202
	9/9/2020
ANALYTE	Conc
Xylenes, total	22

	MW-204
	9/15/2020
ANALYTE	Conc
1,1-Dichloroethane	12
1,1,1-Trichloroethane	5.2
1,1-Dichloroethene	7.5

Well ID	MW-5S
Sampling Date	12/20/2019
Chromium, Total	70.16
Iron, Total	6810
Manganese, Total	4127
Nickel, Total	12970
Sodium, Total	363000
1,1-Dichloroethane	11
1,1,1-Trichloroethane	27
Vinyl chloride	17
trans-1,2-Dichloroethene	35
Trichloroethene	270
cis-1,2-Dichloroethene	32

Well ID	MW-5D
Sampling Date	12/20/2019
Iron, Total	10000
Manganese, Total	4520
Nickel, Total	4426
Sodium, Total	356000
1,1-Dichloroethane	13
1,1,1-Trichloroethane	18
Vinyl chloride	17
trans-1,2-Dichloroethene	20
Trichloroethene	180
cis-1,2-Dichloroethene	26

Well ID	MW-7D
Sampling Date	12/19/2019
Manganese, Total	357
Nickel, Total	212.2
Sodium, Total	314000
1,1,1-Trichloroethane	510
Toluene	7.3
1,1-Dichloroethene	30
Trichloroethene	410

Well ID	MW-8D
Sampling Date	12/20/2019
Iron, Total	27100
Manganese, Total	3041
Nickel, Total	400.8
Sodium, Total	225000
1,1-Dichloroethane	3300
1,2-Dichloroethane	40
1,1,1-Trichloroethane	23000
Toluene	280
1,1-Dichloroethene	2800
Trichloroethene	1400

	MW-206
	9/11/2020
ANALYTE	Conc
1,1,1-Trichloroethane	500
1,1-Dichloroethene	8.4
Trichloroethene	9.2
Dichlorodifluoromethane	70

	NY-AWQS	NY-TOGS-GA
Dieldrin	0.004	0.004
Sodium, Total	20000	
Iron, Total	300	600
Manganese, Total	300	600
Magnesium, Total	35000	35000
Benzo(a)anthracene	0.002	0.002
Benzo(a)pyrene	0	0
Benzo(k)fluoranthene	0.002	0.002
Benzo(b)fluoranthene	0.002	0.002
Chrysene	0.002	0.002
Nickel, Total	100	200
1,1,1-Trichloroethane	5	5
Toluene	5	5
1,1-Dichloroethene	5	5
Trichloroethene	5	5
Chromium, Total	50	100
Vinyl chloride	2	2
trans-1,2-Dichloroethene	5	5
cis-1,2-Dichloroethene	5	5
1,2-Dichloroethane	0.6	0.6
Phenol	1	2
Tetrachloroethene	5	5
1,1-Dichloroethene	5	5

NOTE:
1. THIS PLAN IS FOR LOCATING WELLS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
2. ALL CONCENTRATIONS ARE IN ug/L (ppb).
3. NY-AWQS: NEW YORK TOGS 111 AMVIENT WATER QUALITY STANDARDS CRITERIA REFLECTS ALL ADDENDUM TO CRITERIA THROUGH JUNE 2004
4. NY-TOGS-GA: NEW YORK TOGS 111 GOUNDWATER EFFLUENT LIMITATIONS CRITERIA REFLECTS ALL ADDENDUM TO CRITERIA THROUGH JUNE 2004.

LEGEND:

- MW-201 — WELL INSTALLED DURING SRI
- 75'-70' — SCREEN INTERVAL ELEVATION IN FEET AMSL
- MW-9D — MONITORING WELL INSTALLED DURING RI
- 2,400 — Exceeds NY-AWQS: New York TOGS 1.1.1 Ambient Water Quality Standards and NY-TOGS-GA: New York TOGS 1.1.1 Groundwater Effluent Limitations
- IW-1 — INJECTION WELL NUMBER & APPROX. LOCATION
- 65' — BOTTOM ELEVATION IN FEET AMSL

NYS Education Law
Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

© SESI CONSULTING ENGINEERS D.P.C. 2021
This drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.

REFERENCE
SITE INFORMATION TAKEN FROM "FOUNDATION AND GARAGE FLOOR PLAN (B1)" PREPARED BY TADJER-COHEN-EDELSON ASSOC. INC.. DATED 08/05/19, LATEST REV. 05/01/2020.

Scale 1"=10'
0 5 10 20 30 40

	by	description	rev	date

dwg by: sss
chk by: FD
scale: AS NOTED
date: 02/01/2021

SESI
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
CONSULTING ENGINEERS
12A MAPLE AVE. PINE BROOK, NJ. 07058 PH: 973-808-9050

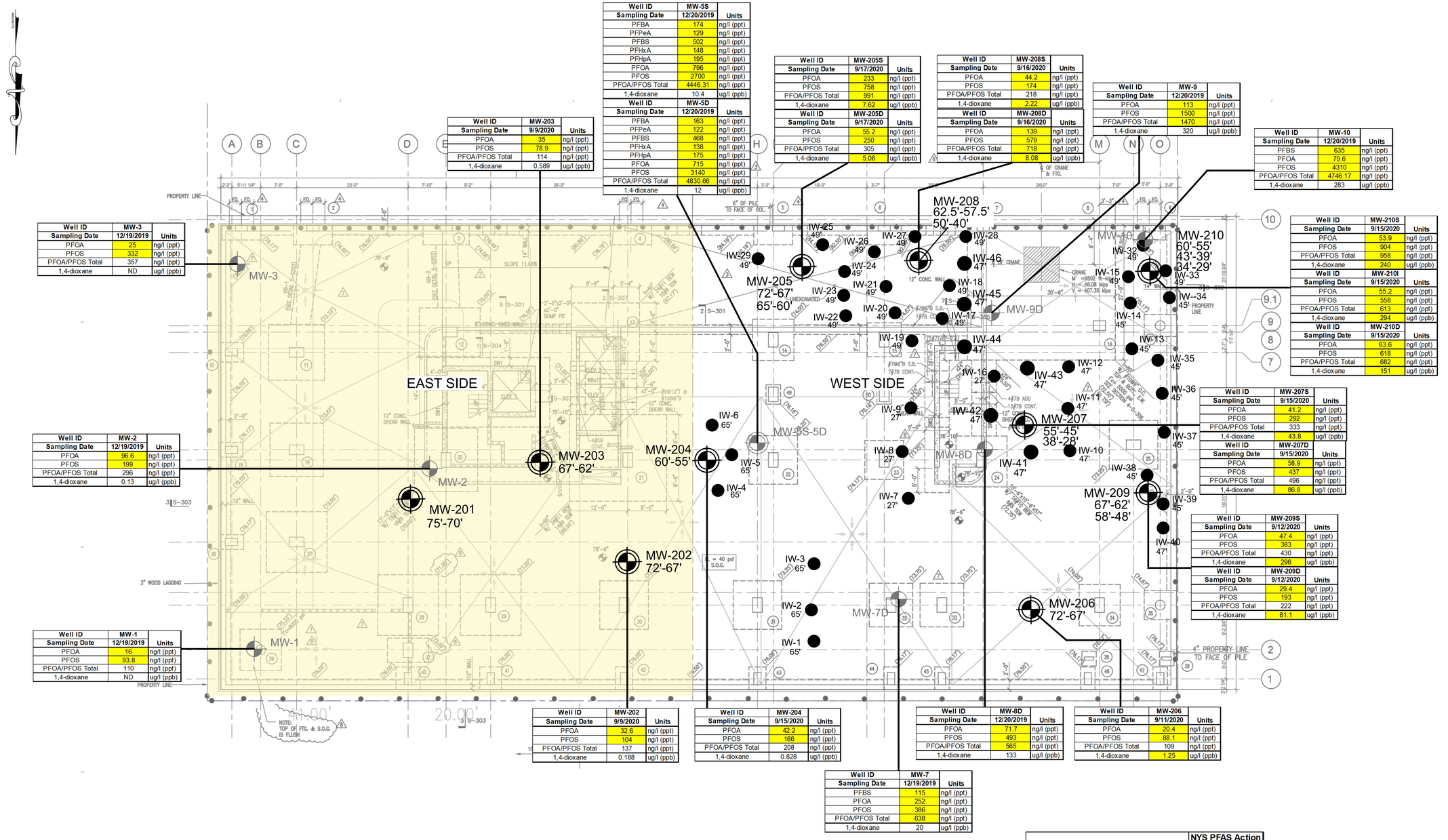
HUGUENOT PARTNERS, LLC
33 CENTRE AVENUE
SECTION NO.2, BLOCK NO. 437 LOTS 1, 3, AND 42
NEW ROCHELLE, NEW YORK

title: MONITORING WELL SAMPLE RESULTS PLAN

job no. 10567
drawing no. SRI1-A

1 of 1

A:\ACAD\10567\CADD\SRI\10567 – SRI-1 – GW SAMPLE RESULTS PLAN.DWG 02/02/21 09:22:29AM osis LAYOUT:SRI-1



Well ID	MW-3	
Sampling Date	12/19/2019	Units
PFOA	25	ng/l (ppt)
PFOS	332	ng/l (ppt)
PFOA/PFOS Total	357	ng/l (ppt)
1,4-dioxane	ND	ug/l (ppb)

Well ID	MW-2	
Sampling Date	12/19/2019	Units
PFOA	96.6	ng/l (ppt)
PFOS	199	ng/l (ppt)
PFOA/PFOS Total	296	ng/l (ppt)
1,4-dioxane	0.13	ug/l (ppb)

Well ID	MW-1	
Sampling Date	12/19/2019	Units
PFOA	16	ng/l (ppt)
PFOS	93.8	ng/l (ppt)
PFOA/PFOS Total	110	ng/l (ppt)
1,4-dioxane	ND	ug/l (ppb)

Well ID	MW-203	
Sampling Date	9/9/2020	Units
PFOA	35	ng/l (ppt)
PFOS	78.9	ng/l (ppt)
PFOA/PFOS Total	114	ng/l (ppt)
1,4-dioxane	0.589	ug/l (ppb)

Well ID	MW-5S	
Sampling Date	12/20/2019	Units
PFBA	174	ng/l (ppt)
PFPeA	129	ng/l (ppt)
PFBS	502	ng/l (ppt)
PFHxA	148	ng/l (ppt)
PFHpA	195	ng/l (ppt)
PFOA	796	ng/l (ppt)
PFOS	2700	ng/l (ppt)
PFOA/PFOS Total	4446.31	ng/l (ppt)
1,4-dioxane	10.4	ug/l (ppb)

Well ID	MW-5D	
Sampling Date	12/20/2019	Units
PFBA	163	ng/l (ppt)
PFPeA	122	ng/l (ppt)
PFBS	468	ng/l (ppt)
PFHxA	138	ng/l (ppt)
PFHpA	175	ng/l (ppt)
PFOA	715	ng/l (ppt)
PFOS	3140	ng/l (ppt)
PFOA/PFOS Total	4830.66	ng/l (ppt)
1,4-dioxane	12	ug/l (ppb)

Well ID	MW-205S	
Sampling Date	9/17/2020	Units
PFOA	233	ng/l (ppt)
PFOS	758	ng/l (ppt)
PFOA/PFOS Total	991	ng/l (ppt)
1,4-dioxane	7.62	ug/l (ppb)

Well ID	MW-205D	
Sampling Date	9/17/2020	Units
PFOA	55.2	ng/l (ppt)
PFOS	250	ng/l (ppt)
PFOA/PFOS Total	305	ng/l (ppt)
1,4-dioxane	5.06	ug/l (ppb)

Well ID	MW-208S	
Sampling Date	9/16/2020	Units
PFOA	44.2	ng/l (ppt)
PFOS	174	ng/l (ppt)
PFOA/PFOS Total	218	ng/l (ppt)
1,4-dioxane	2.22	ug/l (ppb)

Well ID	MW-208D	
Sampling Date	9/16/2020	Units
PFOA	139	ng/l (ppt)
PFOS	579	ng/l (ppt)
PFOA/PFOS Total	718	ng/l (ppt)
1,4-dioxane	8.08	ug/l (ppb)

Well ID	MW-9	
Sampling Date	12/20/2019	Units
PFOA	113	ng/l (ppt)
PFOS	1500	ng/l (ppt)
PFOA/PFOS Total	1470	ng/l (ppt)
1,4-dioxane	320	ug/l (ppb)

Well ID	MW-10	
Sampling Date	12/20/2019	Units
PFBS	635	ng/l (ppt)
PFOA	79.6	ng/l (ppt)
PFOS	4310	ng/l (ppt)
PFOA/PFOS Total	4746.17	ng/l (ppt)
1,4-dioxane	283	ug/l (ppb)

Well ID	MW-210S	
Sampling Date	9/15/2020	Units
PFOA	53.9	ng/l (ppt)
PFOS	904	ng/l (ppt)
PFOA/PFOS Total	958	ng/l (ppt)
1,4-dioxane	240	ug/l (ppb)
Well ID	MW-210I	
Sampling Date	9/15/2020	Units
PFOA	55.2	ng/l (ppt)
PFOS	558	ng/l (ppt)
PFOA/PFOS Total	613	ng/l (ppt)
1,4-dioxane	294	ug/l (ppb)
Well ID	MW-210D	
Sampling Date	9/15/2020	Units
PFOA	63.6	ng/l (ppt)
PFOS	618	ng/l (ppt)
PFOA/PFOS Total	682	ng/l (ppt)
1,4-dioxane	151	ug/l (ppb)

Well ID	MW-207S	
Sampling Date	9/15/2020	Units
PFOA	41.2	ng/l (ppt)
PFOS	292	ng/l (ppt)
PFOA/PFOS Total	333	ng/l (ppt)
1,4-dioxane	43.8	ug/l (ppb)
Well ID	MW-207D	
Sampling Date	9/15/2020	Units
PFOA	58.9	ng/l (ppt)
PFOS	437	ng/l (ppt)
PFOA/PFOS Total	496	ng/l (ppt)
1,4-dioxane	86.8	ug/l (ppb)

Well ID	MW-209S	
Sampling Date	9/12/2020	Units
PFOA	47.4	ng/l (ppt)
PFOS	383	ng/l (ppt)
PFOA/PFOS Total	430	ng/l (ppt)
1,4-dioxane	296	ug/l (ppb)
Well ID	MW-209D	
Sampling Date	9/12/2020	Units
PFOA	29.4	ng/l (ppt)
PFOS	193	ng/l (ppt)
PFOA/PFOS Total	222	ng/l (ppt)
1,4-dioxane	81.1	ug/l (ppb)

Well ID	MW-202	
Sampling Date	9/9/2020	Units
PFOA	32.6	ng/l (ppt)
PFOS	104	ng/l (ppt)
PFOA/PFOS Total	137	ng/l (ppt)
1,4-dioxane	0.188	ug/l (ppb)

Well ID	MW-204	
Sampling Date	9/15/2020	Units
PFOA	42.2	ng/l (ppt)
PFOS	166	ng/l (ppt)
PFOA/PFOS Total	208	ng/l (ppt)
1,4-dioxane	0.828	ug/l (ppb)

Well ID	MW-8D	
Sampling Date	12/20/2019	Units
PFOA	71.7	ng/l (ppt)
PFOS	493	ng/l (ppt)
PFOA/PFOS Total	565	ng/l (ppt)
1,4-dioxane	133	ug/l (ppb)

Well ID	MW-206	
Sampling Date	9/11/2020	Units
PFOA	20.4	ng/l (ppt)
PFOS	88.1	ng/l (ppt)
PFOA/PFOS Total	109	ng/l (ppt)
1,4-dioxane	1.25	ug/l (ppb)

Well ID	MW-7	
Sampling Date	12/19/2019	Units
PFBS	115	ng/l (ppt)
PFOA	252	ng/l (ppt)
PFOS	386	ng/l (ppt)
PFOA/PFOS Total	638	ng/l (ppt)
1,4-dioxane	20	ug/l (ppb)

NOTE:
1. THIS PLAN IS FOR LOCATING WELLS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
2. NYS PFAS: NYSDEC GUIDELINES FOR SAMPLING AND ANALYSIS OF PFAS GROUNDWATER ACTION LEVEL TRIGGER (JANUARY 2020)
3. PPT = PARTS PER TRILLION
4. PPB = PARTS PER BILLION

LEGEND:

MW-201 - WELL INSTALLED DURING SRI

75'-70' - SCREEN INTERVAL ELEVATION IN FEET AMSL

MW-9D - MONITORING WELL INSTALLED DURING RI

904 - EXCEEDS ACTION LEVEL TRIGGER OR MAXIMUM CONTAMINANT LEVEL

IW-1 - INJECTION WELL NUMBER & APPROX. LOCATION

65' - BOTTOM ELEVATION IN FEET AMSL

Analyte	NYS PFAS Action Level Trigger (ng/l)
Perfluorobutanoic Acid (PFBA)	100
Perfluoropentanoic Acid (PFPeA)	100
Perfluorobutanesulfonic Acid (PFBS)	100
Perfluorohexanoic Acid (PFHxA)	100
Perfluoroheptanoic Acid (PFHpA)	100
Perfluorooctanoic Acid (PFOA)	10
Perfluorooctanesulfonic Acid (PFOS)	10
PFOA/PFOS, Total	500

Analyte	NYS Maximum Contaminant Level (ug/l)
1,4-Dioxane	1

NYS Education Law
Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

© SESI CONSULTING ENGINEERS D.P.C. 2020
This drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.

REFERENCE
SITE INFORMATION TAKEN FROM "FOUNDATION AND GARAGE FLOOR PLAN (B1)" PREPARED BY TADJER-COHEN-EDELSON ASSOC. INC.. DATED 08/05/19, LATEST REV. 05/01/2020.

Scale 1"=10'
0 5 10 20 30 40

rev	date	description	by

dwg by: sass
chk by: FD
scale: AS NOTED
date: 09/25/2020

SESI
CONSULTING ENGINEERS
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, NJ. 07058 PH: 973-808-9050

HUGUENOT PARTNERS, LLC
33 CENTRE AVENUE
SECTION NO.2, BLOCK NO. 437 LOTS 1, 3, AND 42
NEW ROCHELLE, NEW YORK

title: MONITORING WELL SAMPLE RESULTS PLAN -EMERGING CONTAMINANTS-

job no. 10567
drawing no. SRI1-B

1 of 1

N:\CAD\10567\CADD\10567 - SRI-2 - MONITORING WELL SAMPLE RESULTS PLAN - EMERGING CONTAMINANTS.DWG 09/25/20 03:47:51PM, sass, LAYOUT:SRI-2

TABLES

Table J1: Well Construction Table
Supplemental Remedial Investigation
Centre Avenue Development - South
BCP # C360182

Well Location	Grade Elevation (ft-amsl)	Well Screen Top-bottom Elevation (ft amsl)	Well Screen Depth (ft-bg)	Screen Depth Rationale	Install Date	Development Date	Development water Volume (Gal)	Sampling Date
MW-201	77	75-70	2-7	Sample GW in shallow bedrock on eastern half of site	9/8/2020	9/8/2020	1.00	No Water
MW-202	77	72-67	5-10	Sample GW in shallow bedrock on eastern half of site	9/8/2020	9/8/2020	15.00	9/9/2020
MW-203	77	67-62	10-15	Sample GW in shallow bedrock on eastern half of site	9/8/2020	9/8/2020	12.00	9/9/2020
MW-204	77	60-55	17-22	Inflow noted at bottom of borehole at 56'.	9/8/2020	9/8/2020	15.00	9/15/2020
MW-205S	89	72-67	17-22	Isolate large fracture noted in caliper.	9/15/2020	9/15/2020		9/17/2020
MW-205D	89	65-60	24-29	Inflow at bottom of borehole and 60-65' interval.	9/8/2020	9/8/2020	15.00	9/17/2020
MW-206	77	72-67	5-10	Optical log appears to have fractures with staining.	9/8/2020	9/8/2020	20.00	9/11/2020
MW-207S	77	55-45	22-32	HPFM indicates flow pirated from this zone.	9/11/2020	9/11/2020	15.00	9/15/2020
MW-207D	77	38-28	39-49	HPFM indicates inflow under ambient and stressed conditions.	9/11/2020	9/11/2020	25.00	9/15/2020
MW-208S	91	62.5-57.5	28.5-33.5	Fluid conductivity increase.	9/15/2020	9/15/2020	15.00	9/16/2020
MW-208D	91	50-40	41-51	Isolate two large fractures noted in caliper.	9/15/2020	9/15/2020	20.00	9/16/2020
MW-209S	77	67-62	10-15	Fractures at 66' and 64'.	9/8/2020	9/8/2020	20.00	9/12/2020
MW-209D	77	58-48	19-29	Fracture zone near 56'.	9/8/2020	9/8/2020	25.00	9/12/2020
MW-210S	77	60-55	17-22	High angle fractures, spike in fluid conductivity.	9/11/2020	9/11/2020	15.00	9/15/2020
MW-210I	77	43-39	34-38	Large fractures in caliper and decrease in fluid conductivity.	9/11/2020	9/11/2020	20.00	9/15/2020
MW-210D	77	34-29	43-48	HPFM indicates flow from bottom and/or fracture at 30'.	9/11/2020	9/11/2020	25.00	9/15/2020

ft-amsl: feet above mean sea level
ft-bg: foot below grade
HPFM: Heat Pulse Flow Meter

LOCATION					MW-202		MW-203		MW-204		MW-206		MW-206		MW-207D		MW-207S		MW-208S		MW-208D		MW-209S (62.5-67.5)	
SAMPLING DATE					9/9/2020		9/9/2020		9/15/2020		9/11/2020		9/11/2020		9/15/2020		9/15/2020		9/16/2020		9/16/2020		9/12/2020	
LAB SAMPLE ID					L2037216-01		L2037216-02		L2038499-01		L2037961-01		L2037961-01 R1		L2038499-02		L2038499-03		L2038800-02		L2038800-01		L2038034-02	
SAMPLE TYPE					WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
SAMPLE DEPTH (ft.)																								
	CasNum	NY-AWQS	NY-TOGS-GA	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals																								
Aluminum, Total	7429-90-5		2000	ug/l	236		671		19.1		604		-	-	65.6		124		39.4		107000		212	
Antimony, Total	7440-36-0	3	6	ug/l	4	U	4	U	0.45	J	1.034	J	-	-	4	U	4	U	4	U	4.53	J	4	U
Arsenic, Total	7440-38-2	25	50	ug/l	0.79		0.81		0.58		0.579		-	-	0.62		0.39	J	0.61		14.81		0.4474	J
Barium, Total	7440-39-3	1000	2000	ug/l	129.3		251		99.14		49.6		-	-	53.79		99.88		104.1		3043		105.5	
Beryllium, Total	7440-41-7	3	3	ug/l	0.5	U	1.21		0.5	U	0.5	U	-	-	0.18	J	0.84		0.5	U	76.49		0.5	U
Cadmium, Total	7440-43-9	5	10	ug/l	0.2	U	0.13	J	0.2	U	0.2	U	-	-	0.2	U	0.49		0.2	U	1.23	J	0.2	U
Calcium, Total	7440-70-2			ug/l	85900		228000		228000		38900		-	-	164000		160000		191000		1620000		78500	
Chromium, Total	7440-47-3	50	100	ug/l	0.65	J	0.96	J	1	U	6.083		-	-	0.7	J	85.81		1	U	1945		5.183	
Cobalt, Total	7440-48-4			ug/l	1.18		7.73		8.18		1.75		-	-	8.1		12.04		10.14		171.8		3.119	
Copper, Total	7440-50-8	200	1000	ug/l	0.51	J	30.99		1	U	5.084		-	-	1.46		10.8		0.49	J	4035		0.8087	J
Iron, Total	7439-89-6	300	600	ug/l	4440		11000		53200		1960		-	-	30400		3860		36800		379000		10300	
Lead, Total	7439-92-1	25	50	ug/l	1	U	1.25		1	U	0.7085	J	-	-	1	U	2.6		1	U	181.2		1	U
Magnesium, Total	7439-95-4	35000	35000	ug/l	23000		75800		105000		14400		-	-	63000		40800		78400		485000		38000	
Manganese, Total	7439-96-5	300	600	ug/l	688.5		3863		3625		244		-	-	4288		2825		3493		19620		1979	
Mercury, Total	7439-97-6	0.7	1.4	ug/l	0.2	U	0.2	U	0.21		0.2	U	-	-	0.2	U	0.28		0.2	U	0.14	J	0.1671	J
Nickel, Total	7440-02-0	100	200	ug/l	2.72		49.38		1179		62.72		-	-	313.5		418.6		727.8		4472		5.748	
Potassium, Total	7440-09-7			ug/l	31400		20400		15100		9050		-	-	13900		40600		17000		222000		32100	
Selenium, Total	7782-49-2	10	20	ug/l	5	U	5	U	5	U	5	U	-	-	5	U	5	U	5	U	50	U	5	U
Silver, Total	7440-22-4	50	100	ug/l	0.4	U	0.4	U	0.4	U	0.4	U	-	-	0.4	U	0.4	U	0.4	U	1.7	J	0.4	U
Sodium, Total	7440-23-5	20000		ug/l	280000		189000		387000		388000		-	-	152000		352000		340000		310000		210000	
Thallium, Total	7440-28-0	0.5	0.5	ug/l	0.16	J	0.2	J	0.5	U	0.5	U	-	-	0.5	U	0.5	U	0.5	U	2.85	J	0.2079	J
Vanadium, Total	7440-62-2			ug/l	5	U	5	U	5	U	2.063	J	-	-	5	U	5	U	5	U	219.7		5	U
Zinc, Total	7440-66-6	2000	5000	ug/l	240.6		22.62		12.36		6.014	J	-	-	15.54		12.22		8.44	J	2173		10	U
Volatile Organics by GC/MS																								
Methylene chloride	75-09-2	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
1,1-Dichloroethane	75-34-3	5	5	ug/l	2.5	U	50	U	12		2.3	J	-	-	580		2500	U	12		26		14	J
Chloroform	67-66-3	7	7	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
Carbon tetrachloride	56-23-5	5	5	ug/l	0.5	U	10	U	0.5	U	0.5	U	-	-	100	U	500	U	1	U	5	U	10	U
1,2-Dichloropropane	78-87-5	1	1	ug/l	1	U	20	U	1	U	1	U	-	-	200	U	1000	U	2	U	10	U	20	U
Dibromochloromethane	124-48-1	50	50	ug/l	0.5	U	10	U	0.5	U	0.5	U	-	-	100	U	500	U	1	U	5	U	10	U
1,1,2-Trichloroethane	79-00-5	1	1	ug/l	1.5	U	30	U	1.5	U	1.5	U	-	-	300	U	1500	U	3	U	15	U	30	U
Tetrachloroethene	127-18-4	5	5	ug/l	0.44	J	10	U	1.3		0.39	J	-	-	37	J	500	U	44		3.1	J	10	U
Chlorobenzene	108-90-7	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
Trichlorofluoromethane	75-69-4	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
1,2-Dichloroethane	107-06-2	0.6	0.6	ug/l	0.5	U	10	U	0.5	U	0.5	U	-	-	100	U	500	U	1	U	5	U	10	U
1,1,1-Trichloroethane	71-55-6	5	5	ug/l	2.5	U	50	U	5.2		500	E	540		32000		140000		55		31		440	
Bromodichloromethane	75-27-4	50	50	ug/l	0.5	U	10	U	0.5	U	0.5	U	-	-	100	U	500	U	1	U	5	U	10	U
trans-1,3-Dichloropropene	10061-02-6	0.4	0.4	ug/l	0.5	U	10	U	0.5	U	0.5	U	-	-	100	U	500	U	1	U	5	U	10	U
cis-1,3-Dichloropropene	10061-01-5	0.4	0.4	ug/l	0.5	U	10	U	0.5	U	0.5	U	-	-	100	U	500	U	1	U	5	U	10	U
1,3-Dichloropropene, Total	542-75-6			ug/l	0.5	U	10	U	0.5	U	0.5	U	-	-	100	U	500	U	1	U	5	U	10	U
1,1-Dichloropropene	563-58-6	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
Bromoform	75-25-2	50	50	ug/l	2	U	40	U	2	U	2	U	-	-	400	U	2000	U	4	U	20	U	40	U
1,1,2,2-Tetrachloroethane	79-34-5	5	5	ug/l	0.5	U	10	U	0.5	U	0.5	U	-	-	100	U	500	U	1	U	5	U	10	U
Benzene	71-43-2	1	1	ug/l	0.5	U	10	U	0.5	U	0.5	U	-	-	100	U	500	U	1	U	5	U	10	U
Toluene	108-88-3	5	5	ug/l	2.5	U	50	U	0.78	J	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
Ethylbenzene	100-41-4	5	5	ug/l	4.3		50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
Chloromethane	74-87-3			ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
Bromomethane	74-83-9	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
Vinyl chloride	75-01-4	2	2	ug/l	1	U	20	U	0.13	J	1	U	-	-	200	U	1000	U	0.95	J	10	U	20	U
Chloroethane	75-00-3	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
1,1-Dichloroethene	75-35-4	5	5	ug/l	0.5	U	10	U	7.5		8.4		-	-	2800		1600		9.4		6.8		96	
trans-1,2-Dichloroethene	156-60-5	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
Trichloroethene	79-01-6	5	5	ug/l	0.24	J	10	U	4.1		9.2		-	-	1000		520		13		15		2300	
1,2-Dichlorobenzene	95-50-1	3	3	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
1,3-Dichlorobenzene	541-73-1	3	3	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
1,4-Dichlorobenzene	106-46-7	3	3	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U

LOCATION					MW-202		MW-203		MW-204		MW-206		MW-206		MW-207D		MW-207S		MW-208S		MW-208D		MW-209S (62.5-67.5)	
SAMPLING DATE					9/9/2020		9/9/2020		9/15/2020		9/11/2020		9/11/2020		9/15/2020		9/15/2020		9/16/2020		9/16/2020		9/12/2020	
LAB SAMPLE ID					L2037216-01		L2037216-02		L2038499-01		L2037961-01		L2037961-01 R1		L2038499-02		L2038499-03		L2038800-02		L2038800-01		L2038034-02	
SAMPLE TYPE					WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
SAMPLE DEPTH (ft.)																								
Methyl tert butyl ether	1634-04-4	10	10	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
p/m-Xylene	179601-23-1	5	5	ug/l	14		50	U	2.5	U	2.5	U	-	-	500	U	2500	U	1.8	J	25	U	50	U
o-Xylene	95-47-6	5	5	ug/l	8.1		50	U	2.5	U	2.5	U	-	-	500	U	2500	U	1.4	J	25	U	50	U
Xylenes, Total	1330-20-7			ug/l	22		50	U	2.5	U	2.5	U	-	-	500	U	2500	U	3.2	J	25	U	50	U
cis-1,2-Dichloroethene	156-59-2	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	3.5	J	25	U	50	U
1,2-Dichloroethene, Total	540-59-0			ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	3.5	J	25	U	50	U
Dibromomethane	74-95-3	5	5	ug/l	5	U	100	U	5	U	5	U	-	-	1000	U	5000	U	10	U	50	U	100	U
1,2,3-Trichloropropane	96-18-4	0.04	0.04	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
Acrylonitrile	107-13-1	5	5	ug/l	5	U	100	U	5	U	5	U	-	-	1000	U	5000	U	10	U	50	U	100	U
Styrene	100-42-5	5	930	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
Dichlorodifluoromethane	75-71-8	5	5	ug/l	5	U	100	U	5	U	5	U	-	-	1000	U	5000	U	10	U	50	U	100	U
Acetone	67-64-1	50	50	ug/l	15		330		3.9	J	70		-	-	1100		5000		220		1000		30	J
Carbon disulfide	75-15-0	60	60	ug/l	5	U	100	U	5	U	5	U	-	-	1000	U	5000	U	10	U	50	U	100	U
2-Butanone	78-93-3	50	50	ug/l	47		2400		41		46		-	-	700	J	3200	J	70		290		43	J
Vinyl acetate	108-05-4			ug/l	5	U	100	U	5	U	5	U	-	-	1000	U	5000	U	10	U	50	U	100	U
4-Methyl-2-pentanone	108-10-1			ug/l	5	U	100	U	5	U	5	U	-	-	1000	U	5000	U	10	U	50	U	100	U
2-Hexanone	591-78-6	50	50	ug/l	5	U	100	U	5	U	5	U	-	-	1000	U	5000	U	10	U	50	U	100	U
Bromochloromethane	74-97-5	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
2,2-Dichloropropane	594-20-7	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
1,2-Dibromoethane	106-93-4	0.0006	0.0006	ug/l	2	U	40	U	2	U	2	U	-	-	400	U	2000	U	4	U	20	U	40	U
1,3-Dichloropropane	142-28-9	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
1,1,1,2-Tetrachloroethane	630-20-6	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
Bromobenzene	108-86-1	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
n-Butylbenzene	104-51-8	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
sec-Butylbenzene	135-98-8	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
tert-Butylbenzene	98-06-6	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
o-Chlorotoluene	95-49-8	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
p-Chlorotoluene	106-43-4	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	0.04	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
Hexachlorobutadiene	87-68-3	0.5	0.5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
Isopropylbenzene	98-82-8	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
p-Isopropyltoluene	99-87-6	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
Naphthalene	91-20-3	10	10	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
n-Propylbenzene	103-65-1	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
1,2,3-Trichlorobenzene	87-61-6	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
1,2,4-Trichlorobenzene	120-82-1	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
1,3,5-Trimethylbenzene	108-67-8	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
1,2,4-Trimethylbenzene	95-63-6	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
1,4-Dioxane	123-91-1			ug/l	250	U	5000	U	250	U	250	U	-	-	50000	U	250000	U	500	U	2500	U	5000	U
p-Diethylbenzene	105-05-5			ug/l	2	U	40	U	2	U	2	U	-	-	400	U	2000	U	4	U	20	U	40	U
p-Ethyltoluene	622-96-8			ug/l	2	U	40	U	2	U	2	U	-	-	400	U	2000	U	4	U	20	U	40	U
1,2,4,5-Tetramethylbenzene	95-93-2	5	5	ug/l	2	U	40	U	2	U	2	U	-	-	400	U	2000	U	4	U	20	U	40	U
Ethyl ether	60-29-7			ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U
trans-1,4-Dichloro-2-butene	110-57-6	5	5	ug/l	2.5	U	50	U	2.5	U	2.5	U	-	-	500	U	2500	U	5	U	25	U	50	U

* Comparison is not performed on parameters with non-numeric criteria.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations criteria reflects all addendum to criteria through June 2004.

LOCATION	MW-209D (48-58)		MW-210S		MW-210S		MW-210I		MW-210I		MW-210D		MW-210D		FIELD BLANK		MW 210 D		MW 210 I PFA	
SAMPLING DATE	9/12/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/16/2020		9/17/2020		9/17/2020	
LAB SAMPLE ID	L2038034-01		L2038499-06		L2038499-06 R1		L2038499-05		L2038499-05 R1		L2038499-04		L2038499-04 R1		L2038800-05		L2038903-01		L2038903-02	
SAMPLE TYPE	WATER		WATER		WATER		WATER		WATER		WATER		WATER		Field Blank		WATER		WATER	
SAMPLE DEPTH (ft.)																				
	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals																				
Aluminum, Total	106		78		-	-	1960		-	-	10	J	-	-	10	U	-	-	-	-
Antimony, Total	0.4662	J	4	U	-	-	4	U	-	-	4	U	-	-	2.51	J	-	-	-	-
Arsenic, Total	0.242	J	0.27	J	-	-	1.22		-	-	0.59		-	-	0.5	U	-	-	-	-
Barium, Total	130.4		66.05		-	-	75.43		-	-	41.15		-	-	0.5	U	-	-	-	-
Beryllium, Total	0.5	U	0.5	U	-	-	0.8		-	-	0.5	U	-	-	0.5	U	-	-	-	-
Cadmium, Total	0.2	U	0.2	U	-	-	0.09	J	-	-	0.2	U	-	-	0.2	U	-	-	-	-
Calcium, Total	110000		78500		-	-	198000		-	-	156000		-	-	49.6	J	-	-	-	-
Chromium, Total	3.219		6.17		-	-	37.11		-	-	2.15		-	-	1	U	-	-	-	-
Cobalt, Total	3.75		8.26		-	-	7.55		-	-	4.73		-	-	0.5	U	-	-	-	-
Copper, Total	0.8996	J	0.68	J	-	-	1.89		-	-	1	U	-	-	1	U	-	-	-	-
Iron, Total	28400		4030		-	-	36700		-	-	60400		-	-	50	U	-	-	-	-
Lead, Total	1	U	1	U	-	-	5.66		-	-	1	U	-	-	1	U	-	-	-	-
Magnesium, Total	75100		31300		-	-	51900		-	-	65500		-	-	70	U	-	-	-	-
Manganese, Total	2634		2178		-	-	2729		-	-	3782		-	-	1	U	-	-	-	-
Mercury, Total	0.1084	J	0.13	J	-	-	0.23		-	-	0.37		-	-	0.2	U	-	-	-	-
Nickel, Total	8.435		36.34		-	-	43.44		-	-	32.83		-	-	2	U	-	-	-	-
Potassium, Total	24800		18300		-	-	29500		-	-	14300		-	-	100	U	-	-	-	-
Selenium, Total	5	U	5	U	-	-	5	U	-	-	5	U	-	-	5	U	-	-	-	-
Silver, Total	0.4	U	0.4	U	-	-	0.4	U	-	-	0.4	U	-	-	0.4	U	-	-	-	-
Sodium, Total	135000		292000		-	-	201000		-	-	115000		-	-	204		-	-	-	-
Thallium, Total	0.2689	J	0.5	U	-	-	0.19	J	-	-	0.5	U	-	-	0.18	J	-	-	-	-
Vanadium, Total	5	U	5	U	-	-	2.27	J	-	-	5	U	-	-	5	U	-	-	-	-
Zinc, Total	4.976	J	5.34	J	-	-	12.44		-	-	10	U	-	-	10	U	-	-	-	-
Volatile Organics by GC/MS																				
Methylene chloride	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
1,1-Dichloroethane	8.8	J	62		-	-	180		-	-	430		-	-	2.5	U	330		160	
Chloroform	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
Carbon tetrachloride	2.5	U	2.5	U	-	-	10	U	-	-	25	U	-	-	0.5	U	50	U	12	U
1,2-Dichloropropane	5	U	5	U	-	-	20	U	-	-	50	U	-	-	1	U	100	U	25	U
Dibromochloromethane	2.5	U	2.5	U	-	-	10	U	-	-	25	U	-	-	0.5	U	50	U	12	U
1,1,2-Trichloroethane	7.5	U	7.5	U	-	-	30	U	-	-	75	U	-	-	1.5	U	150	U	38	U
Tetrachloroethene	1.4	J	8.3		-	-	15		-	-	36		-	-	0.5	U	50	U	15	
Chlorobenzene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
Trichlorofluoromethane	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
1,2-Dichloroethane	2.5	U	2.4	J	-	-	6.3	J	-	-	22	J	-	-	0.5	U	20	J	7.2	J
1,1,1-Trichloroethane	28		980		-	-	4200	E	4200		12000	E	12000		2.5	U	13000		4200	
Bromodichloromethane	2.5	U	2.5	U	-	-	10	U	-	-	25	U	-	-	0.5	U	50	U	12	U
trans-1,3-Dichloropropene	2.5	U	2.5	U	-	-	10	U	-	-	25	U	-	-	0.5	U	50	U	12	U
cis-1,3-Dichloropropene	2.5	U	2.5	U	-	-	10	U	-	-	25	U	-	-	0.5	U	50	U	12	U
1,3-Dichloropropene, Total	2.5	U	2.5	U	-	-	10	U	-	-	25	U	-	-	0.5	U	50	U	12	U
1,1-Dichloropropene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
Bromoform	10	U	10	U	-	-	40	U	-	-	100	U	-	-	2	U	200	U	50	U
1,1,2,2-Tetrachloroethane	2.5	U	2.5	U	-	-	10	U	-	-	25	U	-	-	0.5	U	50	U	12	U
Benzene	2.5	U	2.5	U	-	-	10	U	-	-	25	U	-	-	0.5	U	50	U	12	U
Toluene	12	U	4.7	J	-	-	24	J	-	-	110	J	-	-	2.5	U	250	U	22	J
Ethylbenzene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
Chloromethane	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
Bromomethane	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
Vinyl chloride	5	U	5	U	-	-	20	U	-	-	50	U	-	-	1	U	100	U	25	U
Chloroethane	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
1,1-Dichloroethene	53		440		-	-	1200		-	-	3700		-	-	0.5	U	2100		1200	
trans-1,2-Dichloroethene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
Trichloroethene	700		1600	E	1700		3600		-	-	1800		-	-	0.5	U	1100		3200	
1,2-Dichlorobenzene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
1,3-Dichlorobenzene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
1,4-Dichlorobenzene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U

LOCATION	MW-209D (48-58)		MW-210S		MW-210S		MW-210I		MW-210I		MW-210D		MW-210D		FIELD BLANK		MW 210 D		MW 210 I	PFA
SAMPLING DATE	9/12/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/16/2020		9/17/2020		9/17/2020	
LAB SAMPLE ID	L2038034-01		L2038499-06		L2038499-06 R1		L2038499-05		L2038499-05 R1		L2038499-04		L2038499-04 R1		L2038800-05		L2038903-01		L2038903-02	
SAMPLE TYPE	WATER		WATER		WATER		WATER		WATER		WATER		WATER		Field Blank		WATER		WATER	
SAMPLE DEPTH (ft.)																				
Methyl tert butyl ether	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
p/m-Xylene	7.6	J	3.5	J	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
o-Xylene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
Xylenes, Total	7.6	J	3.5	J	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
cis-1,2-Dichloroethene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
1,2-Dichloroethene, Total	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
Dibromomethane	25	U	25	U	-	-	100	U	-	-	250	U	-	-	5	U	500	U	120	U
1,2,3-Trichloropropane	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
Acrylonitrile	25	U	25	U	-	-	100	U	-	-	250	U	-	-	5	U	500	U	120	U
Styrene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
Dichlorodifluoromethane	25	U	25	U	-	-	100	U	-	-	250	U	-	-	5	U	500	U	120	U
Acetone	390		52		-	-	89	J	-	-	260		-	-	5	U	500	U	120	U
Carbon disulfide	25	U	25	U	-	-	100	U	-	-	250	U	-	-	5	U	500	U	120	U
2-Butanone	350		23	J	-	-	57	J	-	-	150	J	-	-	5	U	500	U	120	U
Vinyl acetate	25	U	25	U	-	-	100	U	-	-	250	U	-	-	5	U	500	U	120	U
4-Methyl-2-pentanone	25	U	25	U	-	-	100	U	-	-	250	U	-	-	5	U	500	U	120	U
2-Hexanone	25	U	25	U	-	-	100	U	-	-	250	U	-	-	5	U	500	U	120	U
Bromochloromethane	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
2,2-Dichloropropane	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
1,2-Dibromoethane	10	U	10	U	-	-	40	U	-	-	100	U	-	-	2	U	200	U	50	U
1,3-Dichloropropane	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
1,1,1,2-Tetrachloroethane	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
Bromobenzene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
n-Butylbenzene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
sec-Butylbenzene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
tert-Butylbenzene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
o-Chlorotoluene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
p-Chlorotoluene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
1,2-Dibromo-3-chloropropane	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
Hexachlorobutadiene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
Isopropylbenzene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
p-Isopropyltoluene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
Naphthalene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
n-Propylbenzene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
1,2,3-Trichlorobenzene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
1,2,4-Trichlorobenzene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
1,3,5-Trimethylbenzene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
1,2,4-Trimethylbenzene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
1,4-Dioxane	1200	U	1200	U	-	-	5000	U	-	-	12000	U	-	-	250	U	25000	U	6200	U
p-Diethylbenzene	10	U	10	U	-	-	40	U	-	-	100	U	-	-	2	U	200	U	50	U
p-Ethyltoluene	10	U	10	U	-	-	40	U	-	-	100	U	-	-	2	U	200	U	50	U
1,2,4,5-Tetramethylbenzene	10	U	10	U	-	-	40	U	-	-	100	U	-	-	2	U	200	U	50	U
Ethyl ether	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U
trans-1,4-Dichloro-2-butene	12	U	12	U	-	-	50	U	-	-	120	U	-	-	2.5	U	250	U	62	U

* Comparison is not performed on pa
NY-AWQS: New York TOGS 111 Am
NY-TOGS-GA: New York TOGS 111

	LOCATION	S FIELD BLANK		VOC FIELD BLANK		TRIP BLANK		DUP-1		TRIP BLANK	
	SAMPLING DATE	9/9/2020		9/9/2020		9/9/2020		9/16/2020		9/16/2020	
	LAB SAMPLE ID	L2037216-04		L2037216-05		L2037216-03		L2038800-03		L2038800-04	
	SAMPLE TYPE	Field Blank		Field Blank		Trip Blank (aqueous)		WATER		Trip Blank (aqueous)	
	SAMPLE DEPTH (ft.)										
		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals											
	Aluminum, Total	-	-	-	-	-	-	20.4		-	-
	Antimony, Total	-	-	-	-	-	-	0.49	J	-	-
	Arsenic, Total	-	-	-	-	-	-	0.59		-	-
	Barium, Total	-	-	-	-	-	-	100.2		-	-
	Beryllium, Total	-	-	-	-	-	-	0.5	U	-	-
	Cadmium, Total	-	-	-	-	-	-	0.2	U	-	-
	Calcium, Total	-	-	-	-	-	-	190000		-	-
	Chromium, Total	-	-	-	-	-	-	1	U	-	-
	Cobalt, Total	-	-	-	-	-	-	9.84		-	-
	Copper, Total	-	-	-	-	-	-	0.43	J	-	-
	Iron, Total	-	-	-	-	-	-	37900		-	-
	Lead, Total	-	-	-	-	-	-	1	U	-	-
	Magnesium, Total	-	-	-	-	-	-	78200		-	-
	Manganese, Total	-	-	-	-	-	-	3468		-	-
	Mercury, Total	-	-	-	-	-	-	0.2	U	-	-
	Nickel, Total	-	-	-	-	-	-	729.3		-	-
	Potassium, Total	-	-	-	-	-	-	16500		-	-
	Selenium, Total	-	-	-	-	-	-	5	U	-	-
	Silver, Total	-	-	-	-	-	-	0.4	U	-	-
	Sodium, Total	-	-	-	-	-	-	324000		-	-
	Thallium, Total	-	-	-	-	-	-	0.19	J	-	-
	Vanadium, Total	-	-	-	-	-	-	5	U	-	-
	Zinc, Total	-	-	-	-	-	-	8.62	J	-	-
Volatile Organics by GC/MS											
	Methylene chloride	-	-	2.5	U	2.5	U	5	U	2.5	U
	1,1-Dichloroethane	-	-	2.5	U	2.5	U	12		2.5	U
	Chloroform	-	-	2.5	U	2.5	U	5	U	2.5	U
	Carbon tetrachloride	-	-	0.5	U	0.5	U	1	U	0.5	U
	1,2-Dichloropropane	-	-	1	U	1	U	2	U	1	U
	Dibromochloromethane	-	-	0.5	U	0.5	U	1	U	0.5	U
	1,1,2-Trichloroethane	-	-	1.5	U	1.5	U	3	U	1.5	U
	Tetrachloroethene	-	-	0.5	U	0.5	U	47		0.5	U
	Chlorobenzene	-	-	2.5	U	2.5	U	5	U	2.5	U
	Trichlorofluoromethane	-	-	2.5	U	2.5	U	5	U	2.5	U
	1,2-Dichloroethane	-	-	0.5	U	0.5	U	1	U	0.5	U
	1,1,1-Trichloroethane	-	-	2.5	U	2.5	U	57		2.5	U
	Bromodichloromethane	-	-	0.5	U	0.5	U	1	U	0.5	U
	trans-1,3-Dichloropropene	-	-	0.5	U	0.5	U	1	U	0.5	U
	cis-1,3-Dichloropropene	-	-	0.5	U	0.5	U	1	U	0.5	U
	1,3-Dichloropropene, Total	-	-	0.5	U	0.5	U	1	U	0.5	U
	1,1-Dichloropropene	-	-	2.5	U	2.5	U	5	U	2.5	U
	Bromoform	-	-	2	U	2	U	4	U	2	U
	1,1,2,2-Tetrachloroethane	-	-	0.5	U	0.5	U	1	U	0.5	U
	Benzene	-	-	0.5	U	0.5	U	1	U	0.5	U
	Toluene	-	-	2.5	U	2.5	U	5	U	2.5	U
	Ethylbenzene	-	-	2.5	U	2.5	U	5	U	2.5	U
	Chloromethane	-	-	2.5	U	2.5	U	5	U	2.5	U
	Bromomethane	-	-	2.5	U	2.5	U	5	U	2.5	U
	Vinyl chloride	-	-	1	U	1	U	0.97	J	1	U
	Chloroethane	-	-	2.5	U	2.5	U	5	U	2.5	U
	1,1-Dichloroethene	-	-	0.5	U	0.5	U	9		0.5	U
	trans-1,2-Dichloroethene	-	-	2.5	U	2.5	U	5	U	2.5	U
	Trichloroethene	-	-	0.5	U	0.5	U	14		0.5	U
	1,2-Dichlorobenzene	-	-	2.5	U	2.5	U	5	U	2.5	U
	1,3-Dichlorobenzene	-	-	2.5	U	2.5	U	5	U	2.5	U
	1,4-Dichlorobenzene	-	-	2.5	U	2.5	U	5	U	2.5	U

LOCATION	S FIELD BLANK		VOC FIELD BLANK		TRIP BLANK		DUP-1		TRIP BLANK	
SAMPLING DATE	9/9/2020		9/9/2020		9/9/2020		9/16/2020		9/16/2020	
LAB SAMPLE ID	L2037216-04		L2037216-05		L2037216-03		L2038800-03		L2038800-04	
SAMPLE TYPE	Field Blank		Field Blank		Trip Blank (aqueous)		WATER		Trip Blank (aqueous)	
SAMPLE DEPTH (ft.)										
Methyl tert butyl ether	-	-	2.5	U	2.5	U	5	U	2.5	U
p/m-Xylene	-	-	2.5	U	2.5	U	2	J	2.5	U
o-Xylene	-	-	2.5	U	2.5	U	1.5	J	2.5	U
Xylenes, Total	-	-	2.5	U	2.5	U	3.5	J	2.5	U
cis-1,2-Dichloroethene	-	-	2.5	U	2.5	U	3.6	J	2.5	U
1,2-Dichloroethene, Total	-	-	2.5	U	2.5	U	3.6	J	2.5	U
Dibromomethane	-	-	5	U	5	U	10	U	5	U
1,2,3-Trichloropropane	-	-	2.5	U	2.5	U	5	U	2.5	U
Acrylonitrile	-	-	5	U	5	U	10	U	5	U
Styrene	-	-	2.5	U	2.5	U	5	U	2.5	U
Dichlorodifluoromethane	-	-	5	U	5	U	10	U	5	U
Acetone	-	-	5	U	5	U	230		5	U
Carbon disulfide	-	-	5	U	5	U	10	U	5	U
2-Butanone	-	-	5	U	5	U	72		5	U
Vinyl acetate	-	-	5	U	5	U	10	U	5	U
4-Methyl-2-pentanone	-	-	5	U	5	U	10	U	5	U
2-Hexanone	-	-	5	U	5	U	10	U	5	U
Bromochloromethane	-	-	2.5	U	2.5	U	5	U	2.5	U
2,2-Dichloropropane	-	-	2.5	U	2.5	U	5	U	2.5	U
1,2-Dibromoethane	-	-	2	U	2	U	4	U	2	U
1,3-Dichloropropane	-	-	2.5	U	2.5	U	5	U	2.5	U
1,1,1,2-Tetrachloroethane	-	-	2.5	U	2.5	U	5	U	2.5	U
Bromobenzene	-	-	2.5	U	2.5	U	5	U	2.5	U
n-Butylbenzene	-	-	2.5	U	2.5	U	5	U	2.5	U
sec-Butylbenzene	-	-	2.5	U	2.5	U	5	U	2.5	U
tert-Butylbenzene	-	-	2.5	U	2.5	U	5	U	2.5	U
o-Chlorotoluene	-	-	2.5	U	2.5	U	5	U	2.5	U
p-Chlorotoluene	-	-	2.5	U	2.5	U	5	U	2.5	U
1,2-Dibromo-3-chloropropane	-	-	2.5	U	2.5	U	5	U	2.5	U
Hexachlorobutadiene	-	-	2.5	U	2.5	U	5	U	2.5	U
Isopropylbenzene	-	-	2.5	U	2.5	U	5	U	2.5	U
p-Isopropyltoluene	-	-	2.5	U	2.5	U	5	U	2.5	U
Naphthalene	-	-	2.5	U	2.5	U	5	U	2.5	U
n-Propylbenzene	-	-	2.5	U	2.5	U	5	U	2.5	U
1,2,3-Trichlorobenzene	-	-	2.5	U	2.5	U	5	U	2.5	U
1,2,4-Trichlorobenzene	-	-	2.5	U	2.5	U	5	U	2.5	U
1,3,5-Trimethylbenzene	-	-	2.5	U	2.5	U	5	U	2.5	U
1,2,4-Trimethylbenzene	-	-	2.5	U	2.5	U	5	U	2.5	U
1,4-Dioxane	-	-	250	U	250	U	500	U	250	U
p-Diethylbenzene	-	-	2	U	2	U	4	U	2	U
p-Ethyltoluene	-	-	2	U	2	U	4	U	2	U
1,2,4,5-Tetramethylbenzene	-	-	2	U	2	U	4	U	2	U
Ethyl ether	-	-	2.5	U	2.5	U	5	U	2.5	U
trans-1,4-Dichloro-2-butene	-	-	2.5	U	2.5	U	5	U	2.5	U

* Comparison is not performed on pa
NY-AWQS: New York TOGS 111 Am
NY-TOGS-GA: New York TOGS 111

Table J-7
Emerging Contaminants in Groundwater
SRI - Centre Ave Development
New Rochelle, NY

LOCATION				MW-202		MW-203		MW-209D (48-58)		MW-209S (62.5-67.5)		MW-209S (62.5-67.5)		MW-204		MW-207D		MW-207D	
SAMPLING DATE				9/9/2020		9/9/2020		9/12/2020		9/12/2020		9/12/2020		9/15/2020		9/15/2020		9/15/2020	
LAB SAMPLE ID				L2037216-01		L2037216-02		L2038034-01		L2038034-02		L2038034-02 R1		L2038499-01		L2038499-02		L2038499-02 R1	
SAMPLE TYPE				WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	CasNum	NYS PFAS / NYS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
1,4 Dioxane by 8270D-SIM																			
1,4-Dioxane	123-91-1	1	ug/l	0.188		0.589		81.1		296		-	-	0.828		86.8		-	-
Perfluorinated Alkyl Acids by Isotope Dilution																			
Perfluorobutanoic Acid (PFBA)	375-22-4	0.1	ug/l	0.0293		0.0149		0.00878		0.0106		-	-	0.012		0.011		-	-
Perfluoropentanoic Acid (PFPeA)	2706-90-3	0.1	ug/l	0.0154		0.0149		0.016		0.0148		-	-	0.0174		0.0148		-	-
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	0.1	ug/l	0.016		0.0159		0.0212		0.0498		-	-	0.0143		0.0804		-	-
Perfluorohexanoic Acid (PFHxA)	307-24-4	0.1	ug/l	0.014		0.0146		0.0144		0.013		-	-	0.0154		0.0135		-	-
Perfluoroheptanoic Acid (PFHpA)	375-85-9	0.1	ug/l	0.0102		0.0102		0.00845		0.0107		-	-	0.0131		0.0126		-	-
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	0.1	ug/l	0.00589		0.0065		0.00498		0.00941	F	-	-	0.0068		0.00798		-	-
Perfluorooctanoic Acid (PFOA)	335-67-1	0.01	ug/l	0.0326		0.035		0.0294		0.0474		-	-	0.0422		0.0589		-	-
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	0.1	ug/l	0.00502		0.00754		0.0138	F	0.00136	JF	-	-	0.0018	U	0.00177	U	-	-
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	0.1	ug/l	0.00233		0.0024		0.0034		0.011		-	-	0.00352		0.00827		-	-
Perfluorononanoic Acid (PFNA)	375-95-1	0.1	ug/l	0.00316		0.00277		0.00317		0.00282		-	-	0.00398		0.00282		-	-
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.01	ug/l	0.104	F	0.0789	F	0.193	F	0.527	EF	0.383	F	0.166	F	0.449	EF	0.437	
Perfluorodecanoic Acid (PFDA)	335-76-2	0.1	ug/l	0.0034		0.00157	J	0.001	J	0.00111	J	-	-	0.001	J	0.00109	J	-	-
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	0.1	ug/l	0.0018	U	0.00186	U	0.00197	U	0.00181	U	-	-	0.0018	U	0.00177	U	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	0.1	ug/l	0.0018	U	0.00186	U	0.00197	U	0.00181	U	-	-	0.0018	U	0.00177	U	-	-
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	0.1	ug/l	0.00036	J	0.00186	U	0.00197	U	0.00181	U	-	-	0.0018	U	0.00177	U	-	-
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	0.1	ug/l	0.0018	U	0.00186	U	0.00197	U	0.00181	U	-	-	0.0018	U	0.00177	U	-	-
Perfluorooctanesulfonamide (FOSA)	754-91-6	0.1	ug/l	0.00068	J	0.00186	U	0.00197	U	0.00181	U	-	-	0.00161	JF	0.00231	F	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	0.1	ug/l	0.000885	J	0.00186	U	0.00197	U	0.00181	U	-	-	0.00193	F	0.00375	F	-	-
Perfluorododecanoic Acid (PFDoA)	307-55-1	0.1	ug/l	0.000741	J	0.00186	U	0.00197	U	0.00181	U	-	-	0.0018	U	0.00177	U	-	-
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	0.1	ug/l	0.00166	J	0.000319	J	0.00197	U	0.00181	U	-	-	0.0018	U	0.00177	U	-	-
Perfluorotetradecanoic Acid (PFTA)	376-06-7	0.1	ug/l	0.00191		0.000408	J	0.00197	U	0.00181	U	-	-	0.0018	U	0.00177	U	-	-
PFOA/PFOS, Total	null	0.5	ug/l	0.137		0.114		-	-	-	-	-	-	-	-	-	-	-	-

J - Presumptive Evidence of a Compound
U - Not Detected at the reported detection limit for the sample
NYS PFAS: NYSDEC Guidelines for Sampling and Analysis of PFAS Groundwater Action Level Trigger (January 2020)
NYS MCL: NYS Maximum Contaminant Level for 1,4-Dioxane (July 2020)
Highlight - Exceeds Action Level Trigger or MCL

Table J-7
Emerging Contaminants in Groundwater
SRI - Centre Ave Development
New Rochelle, NY

LOCATION				MW-207S		MW-210D		MW-210D		MW-210I		MW-210I		MW-210S		MW-210S		MW-208D		MW-208D	
SAMPLING DATE				9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/16/2020		9/16/2020	
LAB SAMPLE ID				L2038499-03		L2038499-04		L2038499-04 R1		L2038499-05		L2038499-05 R1		L2038499-06		L2038499-06 R1		L2038800-01		L2038800-01 R1	
SAMPLE TYPE				WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	CasNum	NYS PFAS / NYS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
1,4 Dioxane by 8270D-SIM																					
1,4-Dioxane	123-91-1	1	ug/l	43.8		151		-	-	294		-	-	240		-	-	8.08		-	-
Perfluorinated Alkyl Acids by Isotope Dilution																					
Perfluorobutanoic Acid (PFBA)	375-22-4	0.1	ug/l	0.0115		0.00989		-	-	0.00703		-	-	0.0153		-	-	0.0334		-	-
Perfluoropentanoic Acid (PFPeA)	2706-90-3	0.1	ug/l	0.0136		0.0143		-	-	0.0114		-	-	0.0126		-	-	0.0247		-	-
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	0.1	ug/l	0.0458		0.198		-	-	0.138		-	-	0.435		-	-	0.101		-	-
Perfluorohexanoic Acid (PFHxA)	307-24-4	0.1	ug/l	0.0133		0.0124		-	-	0.0105		-	-	0.0102		-	-	0.0248		-	-
Perfluoroheptanoic Acid (PFHpA)	375-85-9	0.1	ug/l	0.0104		0.0127		-	-	0.0108		-	-	0.0102		-	-	0.0271		-	-
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	0.1	ug/l	0.00518	F	0.0123		-	-	0.012	F	-	-	0.021		-	-	0.0126		-	-
Perfluorooctanoic Acid (PFOA)	335-67-1	0.01	ug/l	0.0412		0.0636		-	-	0.0552		-	-	0.0539		-	-	0.139		-	-
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	0.1	ug/l	0.0114		0.00182	U	-	-	0.00192	U	-	-	0.00332		-	-	0.00952	F	-	-
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	0.1	ug/l	0.00483		0.0116		-	-	0.0124		-	-	0.0207		-	-	0.0201		-	-
Perfluorononanoic Acid (PFNA)	375-95-1	0.1	ug/l	0.00229		0.00273		-	-	0.00283		-	-	0.00203	J	-	-	0.00321		-	-
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.01	ug/l	0.292	F	0.611	EF	0.618		0.584	EF	0.558		0.917	EF	0.904		0.702	EF	0.579	F
Perfluorodecanoic Acid (PFDA)	335-76-2	0.1	ug/l	0.000959	J	0.000966	J	-	-	0.000927	J	-	-	0.000826	J	-	-	0.00124	J	-	-
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	0.1	ug/l	0.00179	U	0.00182	U	-	-	0.00192	U	-	-	0.00229	U	-	-	0.00198	U	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	0.1	ug/l	0.00179	U	0.00182	U	-	-	0.00192	U	-	-	0.00229	U	-	-	0.00198	U	-	-
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	0.1	ug/l	0.00179	U	0.00182	U	-	-	0.00192	U	-	-	0.00229	U	-	-	0.00198	U	-	-
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	0.1	ug/l	0.00179	U	0.00182	U	-	-	0.00192	U	-	-	0.00229	U	-	-	0.00198	U	-	-
Perfluorooctanesulfonamide (FOSA)	754-91-6	0.1	ug/l	0.00206	F	0.00129	JF	-	-	0.00192	U	-	-	0.00179	JF	-	-	0.0102	F	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	0.1	ug/l	0.00107	J	0.00274	F	-	-	0.00192	U	-	-	0.0029	F	-	-	0.00936	F	-	-
Perfluorododecanoic Acid (PFDoA)	307-55-1	0.1	ug/l	0.00179	U	0.00182	U	-	-	0.00192	U	-	-	0.00229	U	-	-	0.00198	U	-	-
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	0.1	ug/l	0.00179	U	0.00182	U	-	-	0.00192	U	-	-	0.00229	U	-	-	0.00198	U	-	-
Perfluorotetradecanoic Acid (PFTA)	376-06-7	0.1	ug/l	0.00179	U	0.00182	U	-	-	0.00192	U	-	-	0.00229	U	-	-	0.00198	U	-	-
PFOA/PFOS, Total	null	0.5	ug/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.718		-	-

J - Presumptive Evidence of a Compound
U - Not Detected at the reported detection limit for the sample
NYS PFAS: NYSDEC Guidelines for Sampling and Analysis of PFAS Groundwater Action Level Trigger (January
NYS MCL: NYS Maximum Contaminant Level for 1,4-Dioxane (July 2020)
Highlight - Exceeds Action Level Trigger or MCL

Table J-7
Emerging Contaminants in Groundwater
SRI - Centre Ave Development
New Rochelle, NY

LOCATION				MW-208S		DUP-1		FIELD BLANK		MW-205S		MW-205S		MW-205D		MW-206	
SAMPLING DATE				9/16/2020		9/16/2020		9/16/2020		9/17/2020		9/17/2020		9/17/2020		9/11/2020	
LAB SAMPLE ID				L2038800-02		L2038800-03		L2038800-05		L2038904-02		L2038904-02 R1		L2038904-01		L2037961-01	
SAMPLE TYPE				WATER		WATER		Field Blank		WATER		WATER		WATER		WATER	
	CasNum	NYS PFAS / NYS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
1,4 Dioxane by 8270D-SIM																	
1,4-Dioxane	123-91-1	1	ug/l	2.22		2.28		0.15	U	7.62		-	-	5.06		1.25	
Perfluorinated Alkyl Acids by Isotope Dilution																	
Perfluorobutanoic Acid (PFBA)	375-22-4	0.1	ug/l	0.0144		0.0147		0.00181	U	0.0437		-	-	0.0201		0.0208	
Perfluoropentanoic Acid (PFPeA)	2706-90-3	0.1	ug/l	0.0181		0.0183		0.00181	U	0.0328		-	-	0.0189		0.0168	
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	0.1	ug/l	0.0375		0.0329		0.00181	U	0.158		-	-	0.0311		0.0181	
Perfluorohexanoic Acid (PFHxA)	307-24-4	0.1	ug/l	0.0158		0.0164		0.00181	U	0.0432		-	-	0.0171		0.0152	
Perfluoroheptanoic Acid (PFHpA)	375-85-9	0.1	ug/l	0.0126		0.0135		0.00181	U	0.0495		-	-	0.0144		0.0101	
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	0.1	ug/l	0.00655		0.00697	F	0.00181	U	0.0194		-	-	0.00718		0.00256	
Perfluorooctanoic Acid (PFOA)	335-67-1	0.01	ug/l	0.0442		0.0458		0.00181	U	0.233		-	-	0.0552		0.0204	
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	0.1	ug/l	0.00188	U	0.00181	U	0.00181	U	0.00255	F	-	-	0.00208		0.00445	
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	0.1	ug/l	0.0034		0.00284		0.00181	U	0.0229		-	-	0.00474		0.00153	J
Perfluorononanoic Acid (PFNA)	375-95-1	0.1	ug/l	0.00381		0.00381		0.00181	U	0.00202	J	-	-	0.00368		0.0026	
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.01	ug/l	0.174	F	0.18	F	0.00181	U	0.758	EF	0.852	F	0.25	F	0.0881	F
Perfluorodecanoic Acid (PFDA)	335-76-2	0.1	ug/l	0.00117	J	0.00132	J	0.00181	U	0.00152	J	-	-	0.00147	J	0.00169	J
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	0.1	ug/l	0.00188	U	0.00181	U	0.00181	U	0.00217	U	-	-	0.00183	U	0.00182	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	0.1	ug/l	0.00188	U	0.00181	U	0.00181	U	0.00217	U	-	-	0.00183	U	0.00182	U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	0.1	ug/l	0.00188	U	0.00181	U	0.00181	U	0.00217	U	-	-	0.00183	U	0.00182	U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	0.1	ug/l	0.00188	U	0.00181	U	0.00181	U	0.00217	U	-	-	0.00183	U	0.00182	U
Perfluorooctanesulfonamide (FOSA)	754-91-6	0.1	ug/l	0.00321	F	0.00378	F	0.00181	U	0.00958	F	-	-	0.00468	F	0.00182	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	0.1	ug/l	0.00658	F	0.00499	F	0.00181	U	0.0125	F	-	-	0.0108	F	0.00182	U
Perfluorododecanoic Acid (PFDoA)	307-55-1	0.1	ug/l	0.00188	U	0.00181	U	0.00181	U	0.00217	U	-	-	0.00183	U	0.00182	U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	0.1	ug/l	0.00188	U	0.00181	U	0.00181	U	0.00217	U	-	-	0.00183	U	0.00182	U
Perfluorotetradecanoic Acid (PFTA)	376-06-7	0.1	ug/l	0.00188	U	0.00181	U	0.00181	U	0.00217	U	-	-	0.00183	U	0.00182	U
PFOA/PFOS, Total	null	0.5	ug/l	0.218		0.226		0.00181	U	1.09		-	-	0.305		0.109	

J - Presumptive Evidence of a Compound
U - Not Detected at the reported detection limit for the sample
NYS PFAS: NYSDEC Guidelines for Sampling and Analysis of PFAS Groundwater Action Level Trigger (January
NYS MCL: NYS Maximum Contaminant Level for 1,4-Dioxane (July 2020)
Highlight - Exceeds Action Level Trigger or MCL

ATTACHMENT A

SESI
CONSULTING
ENGINEERS

Geotechnical
Foundations
Land Planning
Geo-Structural
Environmental
Water Resources

Principals:

Steven P. Byszewski, PE, PP
Anthony Castillo, PE
Fuad Dahan, PhD, PE, LSRP
Roger Hendrickson
John M. Nederfield, PE
Justin M. Protasiewicz, PE
Kenneth Quazza, PE
Michael St. Pierre, PE

August 27, 2020

Mr. Michael Kilmer
Environmental Engineer
Region 3
Division of Environmental Remediation

RE: Supplemental Remedial Investigation
Centre Avenue Development-South
BCP Site No. C360182
33 Center Avenue/339 Huguenot Street
New Rochelle (C), New York

Dear Mr. Kilmer,

Our office received your letter dated July 17, 2020 requesting a Supplemental Remedial Investigation (SRI) for the Center Avenue Development-South Brownfield Cleanup Program (BCP) site located at Center Avenue and Huguenot Street in the City of New Rochelle, New York (Site). In response, SESI submitted an SRI Work Plan on July 22, 2020 to up to 10 additional boreholes to determine the presence of deeper water-bearing fractures at the Site, and to vertically delineate groundwater contamination. Your letter requested that geophysical logging be completed at each sampling location. To date, geophysical logging has been completed at all ten (10) borehole locations, with some of the logging observed by a NYSDEC representative, Mr. Mark Domaracki. The logging was completed by Earth Data Northeast (EDN) of Exton, Pennsylvania. The results report prepared by EDN is attached to this letter.

As requested in your letter, a suite of several measurements was used in logging each hole, as detailed in the attached report, including Caliper, Optical Televiewer, Acoustic Televiewer, Natural Gamma, Fluid Temperature and Conductivity, Electrical Resistivity, and Heat Pulse Flow Meter (HFPM) (ambient and stressed). Printed logs of each borehole are included in EDN's report. Seven (7) of the logged boreholes- MW-204, MW-205, MW-206, MW-207, MW-208, MW-209, and MW-210 (Figure 1)- are all located on the western half of the Site, where the groundwater contamination has been previously identified. Three (3) logged boreholes- MW-201, MW-202 and MW-203 (Figure 1)- were all located on the eastern half of the Site where no groundwater contamination has been previously identified. The geophysical data combined with the groundwater gradient indicate that the groundwater flow across the site is towards the southwest and that there is no flow eastward. Therefore, there is no impact on the eastern side of the site resulting from the western side contamination.

EDN has concluded in their report that two distinct fracture sets/zones exist beneath the Site, separated by competent bedrock. SESI concurs with this conclusion based on review of the logs, most of which exhibit zones with one or more fractures separated by a zone of competent bedrock without any fractures, which varies in thickness from at least 10 feet to more than 25

feet. Ambient HFPM measurements in 6 of 8 boreholes (no HFPM was measured in MW-201 or MW-206) did not indicate any measurable vertical flow, which indicates a lack of hydraulic connection between the fracture zones. Furthermore, a hydraulic connection between two distinct fracture zones separated by more than 10 feet would certainly require higher angle fractures than those measured in the logs and thus the relatively flat/low angle fractures observed support the conclusion that the fracture zones are hydraulically separated.

Multiple lines of evidence obtained from monitoring well drilling and geophysical log analysis indicate that two distinct fracture sets/zones exist beneath the site, separated by competent bedrock. Based on the logging data, findings and conclusions presented by EDN and SESI's evaluation, the two main fracture zones beneath the Site are separated by competent bedrock. The bedrock provides vertical hydraulic containment and there is no vertical pathway for the contaminated groundwater beneath the Site to reach deeper fracture zones. Further drilling for investigatory purposes into deeper competent bedrock will intersect new fractures and result in cross-contamination that would require remediation where no remediation is required, in our opinion. Therefore, SESI and EDN have concluded that deeper drilling into competent bedrock would be counter-productive and remediation should only be focused on the contaminated fractures already identified and where the contaminants have been detected.

The monitoring wells that were proposed to be installed in the SRI Work Plan will be constructed with the well screen depths as presented in Table 1 below. The screen depth intervals were determined based on the identified water bearing fracture zones during the geophysics investigation.

Table1: Proposed well screen depth intervals

Well Location	Grade Elevation (ft-amsl)	Well Screen Depth (ft bg) Current Grade	Well Screen (ft-amsl)
MW-201	77	5-10	72-67
MW-202	77	5-10	72-67
MW-203	77	10-15	67-62
MW-204	77	17-22	70-55
MW-205	81	16-21	65-60
MW-206	77	5-10	72-67
MW-207	77	7-12; 28-33	70-65; 49-44
MW-208	81	6-11; 41-46	75-70; 40-35
MW-209	77	10-15; 22-27	67-62; 55-50
MW-210	77	7-12; 30-40	70-65; 47-37

The geophysics report was also reviewed by a Professional Hydrogeologist at Regenesis and a third-party environmental engineering firm, Woodard and Curran (W&C), who was hired by the Volunteer to conduct a peer review on EDN's geophysics reports and all SESI's reports, data, and workplans produced to date. W&C will be issuing their own independent report. Regenesis concurred with both EDN and SESI's conclusions on the geological strata and the bedrock characteristic on the Site.

Please do not hesitate to contact us with any questions or concerns.

Sincerely,
SESI CONSULTING ENGINEERS, DPC

Jesse Mausner, PG (**NY PG license #000956**)
Project Manager

Fuad Dahan, PhD, PE
Principal

Attachments: EDN Borehole Geophysical Logging Report
Borehole Location Plan

Cc: William Bennett, NYSDEC
Mark Domaracki, NYSDEC
Louis Cappelli, LRC

N:\PROJECTS\10567 - New Rochelle, NY (Huguenot)\Reports\Supplemental-RIR\BCP.C360182-SupplementalRI-Results08272020v2.docx

ATTACHMENT 1: EDN REPORTS

August 21, 2020

Kevin McManus
RFMCH Huguenot Property Owner, LLC
7 Renaissance Square, 4th Floor
White Plains, New York 10601

RE: Results of Borehole Geophysical Logging: MW-204, MW-205, MW-206, MW-207, MW-208, MW-209, and MW-210
Site: RFMCH Huguenot Property, 33 Centre Ave, New Rochelle, NY

Dear Mr. McManus,

In response to your request, Earth Data Northeast, Inc. ("EDN") is pleased to provide RFMCH Huguenot Property Owner, LLC. ("Owner") with the following summary of borehole geophysical logging services performed August 3-12, 2020 at the RFMCH Huguenot Property located in New Rochelle, NY.

Borehole Geophysical Logging

The following suite of geophysical logs were performed (as indicated by the "X") in onsite wells.

- ☐Color Borehole Video Survey
- ☒Fluid Temperature / Fluid Conductivity
- ☒3-Arm Caliper
- ☒Electrical Resistivity Suite
  - ☒Spontaneous Potential ("SP")
  - ☒Single Point Resistance ("SPR")
  - ☒Short (16") & Long (64") Normal Resistivity
- ☒Natural Gamma
- ☒Acoustic Televiewer ("ATV")
- ☒Optical Televiewer ("OTV")
- ☒Heat Pulse Flowmeter
  - ☒Ambient conditions
  - ☒Pumping conditions

All geophysical logs presented in this report are referenced from site elevation above mean sea level ("amsl").

Results of Borehole Geophysical Logging

The results of the borehole geophysical logging conducted at the site are summarized below. A geophysical composite graph that contains the logs performed in each well is included as an attachment.

Features identified with the ATV are presented in both tabular and graphical format, referenced to True North, and can be found in the attachment. A qualitative classification of each feature, with respect to its potential aperture, was assigned according to the following criteria:

Fracture/Feature – a obvious, dark sinusoidal line across the entire acoustic image; usually supported by the response of the 3-arm caliper.

Hairline Fracture/Feature – as above, though not as evident; generally minimal aperture noted

Discontinuous Fracture (Hairline or otherwise)/Feature – the sinusoidal line does not span across entire acoustic image.

Bedding – the sinusoidal line is continuous across the entire acoustic image, generally minimal aperture noted

Change in Lithology – the sinusoidal line is continuous across the entire acoustic image, usually supported by natural gamma log and/or response of acoustic return; generally minimal aperture noted

More features may exist than were identified. Characterization of features was aided by WellCAD 5.2 software provided by the geophysical tool manufacturer, Mount Sopris Instruments, Inc.

Data collected by the Heat Pulse Flowmeter are presented in tabular format, and can be found within the body of this report. While reviewing heat pulse data, please note the following:

- Inflow zones (water flowing into the borehole) are generally observed where flow directions diverge (i.e. a negative number above, a positive number below) from an area/feature within the borehole or increase in strength while moving in the same direction.

- Outflow zones (water flowing out of the borehole and into the formation) are generally observed where flow directions converge (i.e. a negative number above, a positive number below) on an area/feature or decrease in strength while moving in the same direction.

- According to its manufacturer, Mount Sopris Instruments, Inc., the operating range of the heat pulse probe is 0.03 to 1.0 gpm.

- The accuracy and reliability of the heat pulse flowmeter are dependent on borehole conditions. If the borehole fluid is turbulent or heavily impacted with particulates, the log may produce inconclusive results.

- It is important to note that the open borehole creates a conduit for water to flow between fractures. Therefore, flow patterns may not be indicative of the natural conditions that existed prior to the commencement of drilling operations.

MW-204

Well diameter: 5.25" nominal
Site elevation: 77' amsl
Total depth elevation: 55.7' amsl
Casing depth elevation: 62.2' amsl
Static water level elevation: 75.1' amsl

Field observations / Remarks:

Note: Nearby onsite activities may have impacted fluid conductivity log.
Note: Bedrock resistivity data was unable to be isolated due to insufficient borehole depth.

Rock characteristics:

- Bedding is moderately dipping generally northwest.
- Possible lithology change at 70' amsl observed on natural gamma and optical televiewer logs.
- Possible lithology change with fracture at 68' amsl observed on natural gamma and optical televiewer logs.
- Possible lithology change 66' amsl observed on natural gamma and optical televiewer logs.
- Possible lithology change with fracture at 60' amsl observed on natural gamma, resistivity, acoustic and optical televiewer logs.

Fluid characteristics:

- Fluid temperature decreases with depth; changes in slope noted at 69' and 68' amsl; potentially transmissive zones.
- Heat pulse flow-meter results indicate no measurable vertical flow in the borehole under ambient conditions.
- Heat pulse flow-meter results indicate an upward gradient between depths 57' and 62' amsl during pumping only. Increase in flow between these measurement depths during pumping is associated with fracture at 60' amsl, indicative of inflow zone.
- Pumping at 0.5 gpm, water level drew down 1.7' over 15 minutes.

ATV features: 24 (see attached composite graph and summary table)
Estimated strike direction: Northeast-Southwest (primary grouping)
Estimated dip direction: Northwest (primary grouping)

Heat pulse flow-meter results:

Heat Pulse Flow Stations	Ambient / Pumping Flow Direction	Ambient / Pumping Rate in GPM
62' amsl	No Flow / **Upward**	0.000 / **0.185**
57' amsl	No Flow / **Upward**	0.000 / **0.125**

MW-205

Well diameter: 5.25" nominal
Site elevation: 81' amsl
Total depth elevation: 59.5' amsl
Casing depth elevation: 67.6' amsl
Static water level elevation: 78.6' amsl

Field observations / Remarks:

Note: Bedrock resistivity data was unable to be isolated due to insufficient borehole depth.

Rock characteristics:

- Bedding is moderate to high-angle dipping generally northwest.
- Possible lithology change at 74' amsl observed on natural gamma and optical televiewer logs.
- Apparent fracture at 67' amsl, below casing, observed on caliper, acoustic and optical televiewer logs.
- Possible lithology change with fracture at 64' amsl observed on acoustic and optical televiewer logs.
- Apparent fracture zone between depths 62' and 60' amsl observed on caliper, acoustic and optical televiewer logs.

Fluid characteristics:

- Fluid conductivity changes in slope noted at 65' and 60' amsl; potentially transmissive zones.
- Fluid temperature decreases with depth; change in slope noted at 60' amsl; potentially transmissive zone.
- Heat pulse flow-meter results indicate no measurable vertical flow in the borehole under ambient conditions.
- Heat pulse flow-meter results indicate an upward gradient between depths 60.5' and 65' amsl during pumping only. Increase in flow between these measurement depths during pumping is associated with fracture zone at 60'-62' amsl, indicative of inflow zone.
- Pumping at 0.33 gpm, water level drew down 1.1' over 12 minutes.

ATV features: 27 (see attached composite graph and summary table)
Estimated strike direction: Northeast-Southwest (primary grouping)
Estimated dip direction: Northwest (primary grouping)

Heat pulse flow-meter results:

Heat Pulse Flow Stations	Ambient / Pumping Flow Direction	Ambient / Pumping Rate in GPM
65' amsl	No Flow / **Upward**	0.000 / **0.180**
60.5' amsl	No Flow / **Upward**	0.000 / **0.075**

MW-206

Well diameter: 5.25” nominal
Site elevation: 77’ amsl
Total depth elevation: 58.4’ amsl
Casing depth elevation: 68.3’ amsl
Static water level elevation: N/A

Field observations / Remarks:

Note: No water was encountered in the cased borehole.
Note: Obstruction in well encountered at 67’ amsl. Obstruction was displaced before logging resumed.

Rock characteristics:

- Two possible fractures at 71’ amsl observed on caliper and optical televiewer logs.
- Possible lithology change with fracture at 65’ amsl observed on natural gamma and optical televiewer logs.

ATV features: 8 (see attached composite graph and summary table)

MW-207

Well diameter: 5.25" nominal
Site elevation: 77' amsl
Total depth elevation: 28.2' amsl
Casing depth elevation: 76.25' amsl
Static water level elevation: 73.9' amsl

Field observations / Remarks:

Rock characteristics:

- Bedding is moderate to high-angle dipping generally northwest.
- Apparent fracture at 74' amsl observed on caliper, acoustic and optical televiewer logs.
- Possible fracture at 60' amsl observed on acoustic and optical televiewers.
- Possible lithology change with fracture at 52' amsl observed on natural gamma, acoustic and optical televiewer logs.
- Apparent fracture and lithology change at 47' amsl observed on caliper, resistivity, acoustic and optical televiewer logs.
- Apparent fracture at 41' amsl observed on caliper, acoustic and optical televiewer logs.
- Apparent fracture with possible lithology change at 34' amsl observed on caliper, natural gamma, resistivity, acoustic and optical televiewer logs.

Fluid characteristics:

- Fluid conductivity changes in slope noted at 69', 67' 60', 58', 50', 48' 45', 41' and 38' amsl; potentially transmissive zones.
- Fluid temperature decreases with depth; changes in slope noted at 72.5', 69', 67', 60', and 47' amsl; potentially transmissive zones.
- Heat pulse flow-meter results indicate an upward gradient between depths 49' and 59' amsl during ambient and pumping conditions. Decrease in flow between these measurement depths during logging is associated with fractures at 52' and 53' amsl, indicative of outflow zones.
- Heat pulse flow-meter results indicate an upward gradient between depths 37' and 49' amsl during ambient and pumping conditions. Decrease in flow between these measurement depths during logging is associated with fractures at 41' and 47' amsl, indicative of outflow zones.
- Heat pulse flow-meter results indicate an upward gradient between depths 29' and 37' amsl during ambient and pumping conditions. Increase in flow between these measurement depths during logging is associated with fracture at 34' amsl, indicative of inflow zone.
- Pumping at 0.5 gpm, water level drew down 3.6' over 78 minutes.

ATV features: 94 (see attached composite graph and summary table)
Estimated strike direction: Northeast-Southwest (primary grouping)
Estimated dip direction: Northwest (primary grouping)

Heat pulse flow-meter results:

Heat Pulse Flow Stations	**Ambient / Pumping Flow Direction**	**Ambient / Pumping Rate in GPM**
59’ amsl	No Flow / **Upward**	0.000 / **0.185**
49’ amsl	**Upward** / **Upward**	**0.087** / **0.185**
37’ amsl	**Upward** / **Upward**	**0.120** / **0.185**
29’ amsl	**Upward** / **Upward**	**0.063** / **0.125**

MW-208

Well diameter: 5.25" nominal
Site elevation: 81' amsl
Total depth elevation: 40.9' amsl
Casing depth elevation: 47.9' amsl
Static water level elevation: 62.8' amsl

Field observations / Remarks:

Note: Nearby onsite activities may have impacted fluid conductivity log.
Note: Bedrock resistivity data was unable to be isolated due to insufficient borehole depth.

Rock characteristics:

- Bedding is moderately dipping generally northwest.
- Possible lithology change at 76' amsl observed on natural gamma and optical televiewer logs.
- Possible lithology change at 72' amsl observed on natural gamma and optical televiewer logs.
- Possible lithology change at 68' amsl observed on natural gamma and optical televiewer logs.
- Possible lithology change at 62' amsl observed on natural gamma and optical televiewer logs.
- Apparent fracture at 48' amsl, below casing, observed on caliper, acoustic and optical televiewer logs.
- Possible lithology change at 45' amsl observed on natural gamma, resistivity, acoustic and optical televiewer logs.

Fluid characteristics:

- Fluid conductivity changes in slope noted at 48'and 45' amsl; potentially transmissive zones. Changes in slope above 48' are within well casing.
- Fluid temperature generally decreases with depth.
- Heat pulse flow-meter results indicate no measurable vertical flow in the borehole under ambient and pumping conditions.
- Pumping at 0.5 gpm, water level drew down 4.65' over 45 minutes.

ATV features: 37 (see attached composite graph and summary table)
Estimated strike direction: Northeast-Southwest (primary grouping)
Estimated dip direction: Northwest (primary grouping)

Heat pulse flow-meter results:

Heat Pulse Flow Stations	Ambient / Pumping Flow Direction	Ambient / Pumping Rate in GPM
44' amsl	No Flow / No Flow	0.000 / 0.000

MW-209

Well diameter: 5.25" nominal
Site elevation: 77' amsl
Total depth elevation: 48.3' amsl
Casing depth elevation: 66.6' amsl
Static water level elevation: 67.0' amsl

Field observations / Remarks:

Note: Bedrock resistivity data was unable to be isolated due to insufficient borehole depth.

Rock characteristics:

- Bedding is moderate to high-angle dipping generally northwest.
- Apparent fracture at 66' amsl observed on caliper, acoustic and optical televiewer logs.
- Apparent fracture at 64' amsl observed on caliper, acoustic and optical televiewer logs.
- Possible lithology change at 56' amsl observed on natural gamma, resistivity, acoustic and optical televiewer logs.
- Apparent fracture at 54' amsl observed on caliper, acoustic and optical televiewer logs.

Fluid characteristics:

- Fluid conductivity changes in slope noted at 67', 66' 65', 63', 62', 60', and 57' amsl; potentially transmissive zones.
- Fluid temperature generally decreases with depth.
- Heat pulse flow-meter results indicate no measurable vertical flow in the borehole under ambient conditions.
- Heat pulse flow-meter results indicate an upward gradient between depths 50' and 58' amsl during pumping only. Decrease in flow between these measurement depths during pumping is associated with fracture at 54' amsl, indicative of outflow zone.
- Pumping at 0.5 gpm, water level drew down 1.7' over 15 minutes.

ATV features: 37 (see attached composite graph and summary table)
Estimated strike direction: Northeast-Southwest (primary grouping)
Estimated dip direction: Northwest (primary grouping)

Heat pulse flow-meter results:

Heat Pulse Flow Stations	Ambient / Pumping Flow Direction	Ambient / Pumping Rate in GPM
58' amsl	No Flow / No Flow	0.000 / 0.000
50' amsl	No Flow / **Upward**	0.000 / **0.035**

MW-210

Well diameter: 5.25" nominal
Site elevation: 77' amsl
Total depth elevation: 29.8' amsl
Casing depth elevation: 45.1' amsl
Static water level elevation: 72.9' amsl

Field observations / Remarks:

Note: Site conditions may have impacted bedrock resistivity data.

Rock characteristics:

- Bedding is high-angle dipping generally northwest.
- Apparent fracture at 74' amsl observed on caliper and acoustic televiewer.
- Apparent fracture at 73' amsl observed on caliper and acoustic televiewer.
- Possible lithology change with fracture at 70' amsl observed on natural gamma and optical televiewer logs.
- Possible lithology change with fracture at 68' amsl observed on caliper, natural gamma, and acoustic televiewer logs.
- Possible lithology change 63' amsl observed on natural gamma and acoustic televiewer logs.
- Apparent fracture zone with possible lithology change between depths 59' and 56' amsl observed on natural gamma and acoustic televiewer logs.
- Apparent fracture at 52' amsl observed on caliper and acoustic televiewer logs.
- Possible lithology change with fracture at 49' amsl observed on caliper, natural gamma, and acoustic televiewer logs.
- Apparent fracture at 45' amsl, below casing, observed on caliper and acoustic televiewer logs.
- Apparent fracture with possible lithology change at 41' amsl observed on natural gamma and acoustic televiewer logs.
- Apparent fracture at 31' amsl observed on caliper and acoustic televiewer logs.

Fluid characteristics:

- Fluid conductivity changes in slope noted at 69', 65', 62', 59', 55', 53' 45', and 40' amsl; potentially transmissive zones.
- Fluid temperature generally decreases with depth.
- Heat pulse flow-meter results indicate no measurable vertical flow in the borehole under ambient conditions.
- Heat pulse flow-meter results indicate an upward gradient between depths 33' and 43' amsl during pumping only. Decrease in flow between these measurement depths during pumping is associated with fracture at 41'' amsl, indicative of outflow zone.
- Pumping at 0.5 gpm, water level drew down 1.26' over 35 minutes.

ATV features: 39 (see attached composite graph and summary table)
Estimated strike direction: Northeast-Southwest (primary grouping)
Estimated dip direction: Northwest (primary grouping)

Heat pulse flow-meter results:

Heat Pulse Flow Stations	**Ambient / Pumping Flow Direction**	**Ambient / Pumping Rate in GPM**
43’ amsl	No Flow / **Upward**	0.000 / **0.170**
33’ amsl	No Flow / **Upward**	0.000 / **0.194**

Findings and Conclusions

Through review of borehole geophysical data, EDN has found that distinct fracture sets exist beneath the site that are separated by competent bedrock.

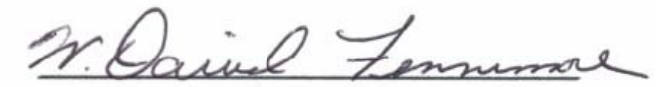
The findings and conclusions presented in this report are the result of fieldwork, data analysis, and interpretations completed by EDN personnel as of this date. This report was prepared in response to a request from Owner, using generally accepted geophysical practices, for the exclusive use of Owner. No other warranty, express or implied, is made.

Additional copies of the geophysical logs are available upon request.

If you should have any further questions or comments, please feel free to contact me at (610) 909-6335 or via email at djennings@earthdatane.com.

Sincerely,

Daniel Jennings
Staff Geoscientist
Earth Data Northeast, Inc.



W. David Fennimore
Senior Hydrogeologist/President
Earth Data Northeast, Inc.

Earth Data Northeast, Inc.

Client: **RFMCH Huguenot Property Owner, LLC**
Location: **33 Centre Ave, New Rochelle, NY**
Well Name: **MW-204**
Date: **08/03/20**
Depth Reference: **Site Elevation/Ground Surface**
Magnetic Declination: **-12.87 deg**
North reference: **True North**

Borehole Diameter: **5.25" nominal**
Static Water Level Elevation: **75.1' amsl**
Casing Depth Elevation: **62.2' amsl**
Total Depth Elevation: **55.7' amsl**

Discontinuous Hairline Fracture/Feature

Bedding/Change in Lithology

Borehole Diameter	Depth	Natural Gamma	Short Normal Resistivity	Acoustic Televiewer	Optical Televiewer	Features	Dip Tadpoles	Annotations
4 in 8	1in:5ft	0 cps 200	0 Ohm-m 5000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 90	
Fluid Temperature		**Spontaneous Potential**	**Long Normal Resistivity**					
10 deg C 30		0 mV 2000	0 Ohm-m 5000					
Fluid Conductivity			**Single Point Resistance**					
0 uS/cm 1000			0 Ohm 2000					
Ambient gpm / **Pumping** gpm								

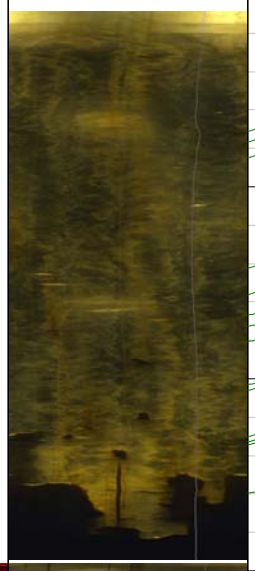
Note: Positive values denote upward flow. Negative values denote downward flow.
HPFM Tool Measuring Range: 0.03 - 1.0 gpm

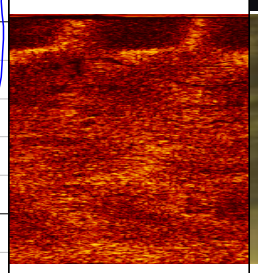
Pump set at ~ 67' asml
Rate: ~ 0.5 gpm
Drawdown: ~ 1.7' over 15 min

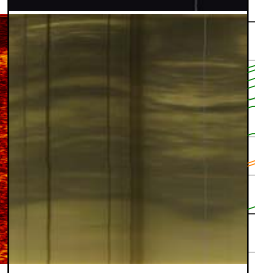
0.000 0.185

0.000 0.125

75.0
70.0
65.0
60.0
55.0
50.0
45.0
40.0
35.0
30.0







Note: Depths are measured from site elevation above mean sea level.
Note: Nearby onsite activities may have impacted fluid conductivity log.
Note: Bedrock resistivity data was unable to be isolated due to insuffiecient borehole depth.

Possible lithology change at 70' amsl observed on natural gamma and optical televiewer logs.

Possible lithology change with fracture at 68' amsl observed on fluid temperature, natural gamma, and optical televiewer logs.

Possible lithology change at 66' amsl observed on natural gamma and optical televiewer logs.

HPFM: No flow under ambient conditions measured at 62' amsl.

Possible lithology change with fracture at 60' amsl observed on natural gamma, resistivity, acoustic and optical televiewer logs.

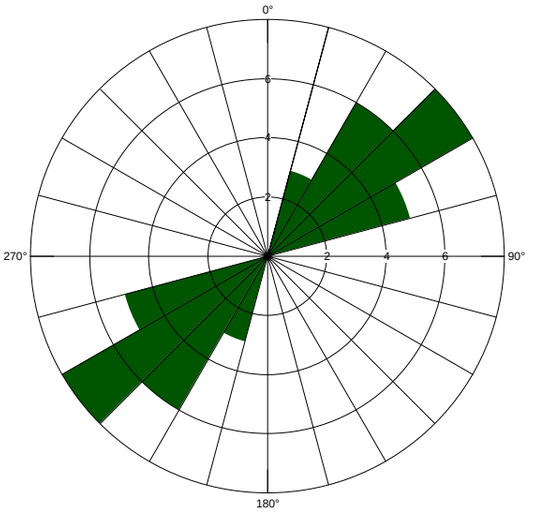
HPFM: Upward gradient measured during pumping only, between depths 57' and 62' amsl. Increase in flow between these HPFM measurement depths during pumping HPFM logging associated with fracture at 60' amsl, indicative of inflow zone.

HPFM: No flow under ambient conditions measured at 57' amsl.

Bedding is moderately dipping generally northwest.

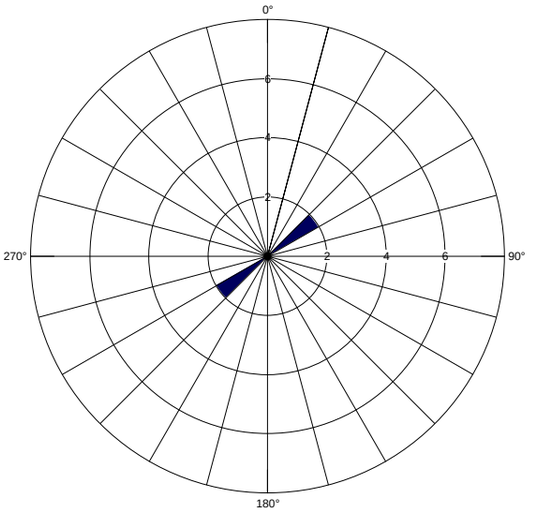
Bedding Strike (green)	Fracture Strike (dark blue)	Polar Plot - Bedding Dip
Bedding Dip Azimuth (green)	**Fracture Dip Azimuth (dark blue)**	**Polar Plot - Fracture Dip**

Strike - Absolute (Count)



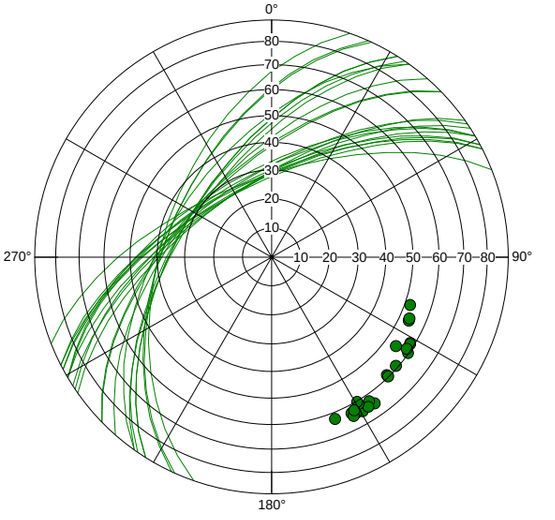
Components:	**Strike**
Counts:	**22.00**
Mean (2D):	**137.02**
Std.Dev.:	**14.79**

Strike - Absolute (Count)



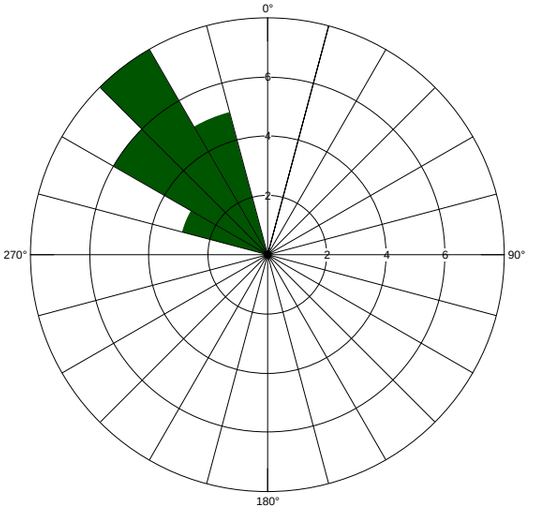
Components:	**Strike**
Counts:	**2.00**
Mean (2D):	**137.32**
Std.Dev.:	**0.67**

Schmidt Plot - LH - Bedding



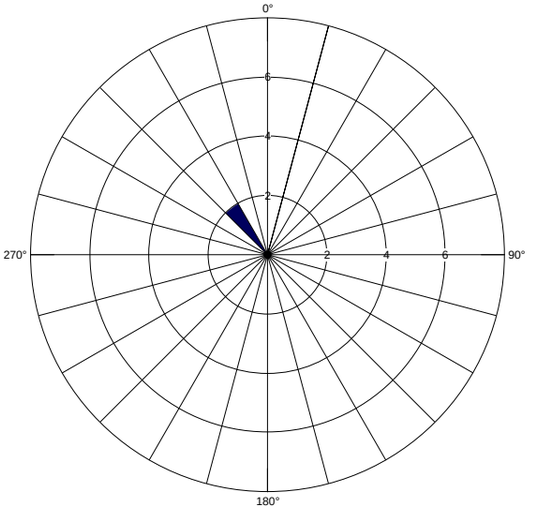
	Counts	Dip[deg]	Azi[deg]
Mean	**22**	**60.23**	**317.02**
	22	**60.23**	**317.02**

Azimuth - Absolute (Count)



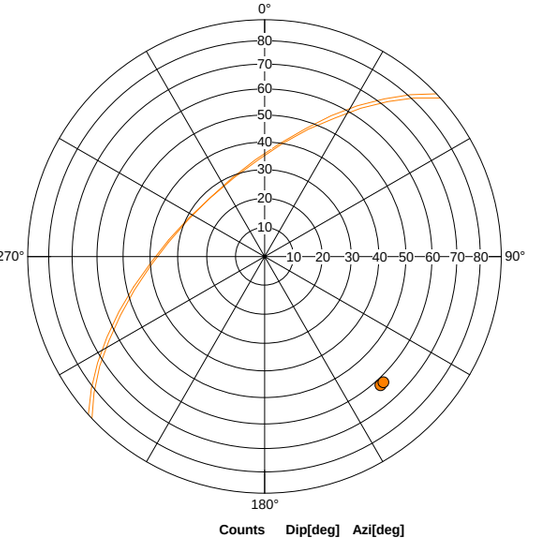
Components:	**Azimuth**
Counts:	**22.00**
Mean (2D):	**317.02**
Std.Dev.:	**14.79**
Min:	**289.18**
Max:	**338.42**

Azimuth - Absolute (Count)



Components:	**Azimuth**
Counts:	**2.00**
Mean (2D):	**317.32**
Std.Dev.:	**0.67**
Min:	**316.65**
Max:	**317.98**

Schmidt Plot - LH - Fractures



	Counts	Dip[deg]	Azi[deg]
Mean	**2**	**62.33**	**317.32**
	2	**62.33**	**317.32**

MW-204 ATV Feature Summary Table				
Avg. Elevation of Feature (amsl)	**Dip Azimuth (deg from North)**	**Dip Angle (deg)**	**Strike (deg from North)**	**Feature Description**
73.70	315.71	59.24	225.71	Bedding Plane/Change in Lithology
73.43	315.71	59.88	225.71	Bedding Plane/Change in Lithology
72.99	311.17	59.25	221.17	Bedding Plane/Change in Lithology
70.27	324.79	64.73	234.79	Bedding Plane/Change in Lithology
69.59	329.34	64.71	239.34	Bedding Plane/Change in Lithology
69.01	325.93	62.73	235.93	Bedding Plane/Change in Lithology
68.75	327.07	64.71	237.07	Bedding Plane/Change in Lithology
68.35	332.74	63.31	242.74	Bedding Plane/Change in Lithology
67.20	329.34	61.7	239.34	Bedding Plane/Change in Lithology
67.03	329.34	60.51	239.34	Bedding Plane/Change in Lithology
65.89	331.61	64.3	241.61	Bedding Plane/Change in Lithology
65.78	332.74	64.8	242.74	Bedding Plane/Change in Lithology
65.66	331.61	62.79	241.61	Bedding Plane/Change in Lithology
64.42	338.42	62.84	248.42	Bedding Plane/Change in Lithology
61.00	302.08	58.5	212.08	Bedding Plane/Change in Lithology
60.88	302.08	58.54	212.08	Bedding Plane/Change in Lithology
60.68	305.34	59.93	215.34	Bedding Plane/Change in Lithology
60.46	304.35	58.56	214.35	Bedding Plane/Change in Lithology
60.08	294.93	53.74	204.93	Bedding Plane/Change in Lithology
59.87	294.13	53.7	204.13	Bedding Plane/Change in Lithology
59.21	305.49	54.59	215.49	Bedding Plane/Change in Lithology
58.63	317.98	62.34	227.98	Discontinuous Hairline Fracture/Feature
58.54	316.65	62.32	226.65	Discontinuous Hairline Fracture/Feature
57.22	289.18	52	199.18	Bedding Plane/Change in Lithology

Earth Data Northeast, Inc.

Client: **RFMCH Huguenot Property Owner, LLC**
Location: **33 Centre Ave, New Rochelle, NY**
Well Name: **MW-205**
Date: **08/05/20**
Depth Reference: **Site Elevation/Ground Surface**
Magnetic Declination: **-12.87 deg**
North reference: **True North**

Borehole Diameter: **5.25" nominal**
Static Water Level Elevation: **78.6' amsl**
Casing Depth Elevation: **67.6' amsl**
Total Depth Elevation: **59.5' amsl**

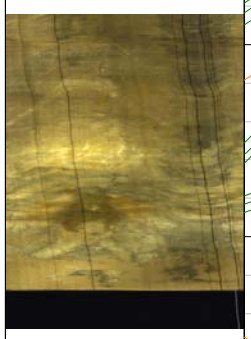
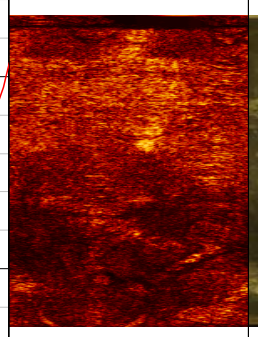
Discontinuous Fracture/Feature
Discontinuous Hairline Fracture/Feature
Bedding/Change in Lithology

Borehole Diamter	Depth	Natural Gamma	Short Normal Resistivity	Acoustic Televiewer	Optical Televiewer	Features	Dip Tadpoles	Annotations
4 in 8	1in:5ft	0 cps 200	0 Ohm-m 5000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 90	
Fluid Temperature		**Spontaneous Potential**	**Long Normal Resistivity**					
10 deg C 30		0 mV 2000	0 Ohm-m 5000					
Fluid Conductivity			**Single Point Resistance**					
0 uS/cm 1000			0 Ohm 2000					
Ambient gpm / **Pumping** gpm								

Note: Positive values denote upward flow. Negative values denote downward flow.
HPFM Tool Measuring Range: 0.03 - 1.0 gpm

Pump set at ~ 71' amsl
Rate: ~ 0.33 gpm
Drawdown: ~ 1.1' over 12 min

0.000 0.180
0.000 0.075

Note: Depths are measured from site elevation above mean sea level.
Note: Bedrock resistivity data was unable to be isolated due to insufficient borehole depth.

Possible lithology change at 74' amsl observed on natural gamma and optical televiewer logs.

Bedding is moderate to high angle dipping generally northwest.

Apparent fracture at 67' amsl, below casing, observed on caliper, acoustic and optical televiewer logs.

Possible lithology change with fracture at 64' amsl observed on fluid conductivity, acoustic and optical televiewers.

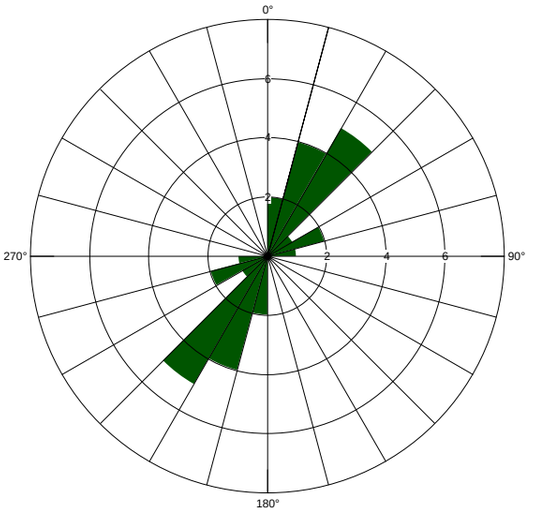
HPFM: No flow under ambient conditions measured at 65' amsl.

Apparent fracture zone between depths 62' and 60' amsl observed on caliper, fluid conductivity, acoustic and optical televiewer logs.

HPFM: Upward gradient measured during pumping only between depths 65' and 60.5' amsl. Increase in flow between these HPFM measurement depths during pumping HPFM logging associated with fractures at 62' and 61'.
HPFM: No flow under ambient conditions measured at 60.5' amsl.

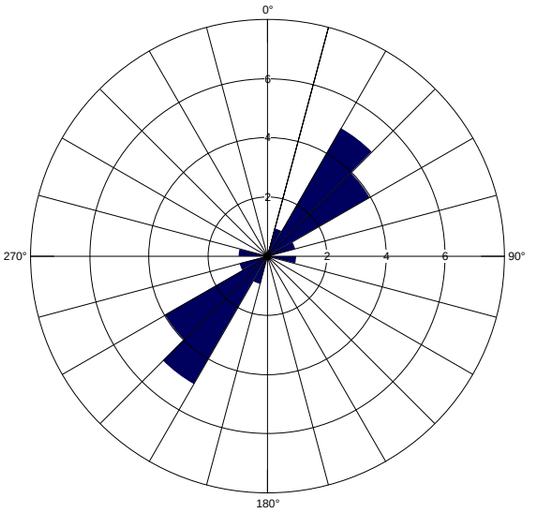
Bedding Strike (green)	Fracture Strike (dark blue)	Polar Plot - Bedding Dip
Bedding Dip Azimuth (green)	Fracture Dip Azimuth (dark blue)	Polar Plot - Fracture Dip

Strike - Absolute (Count)



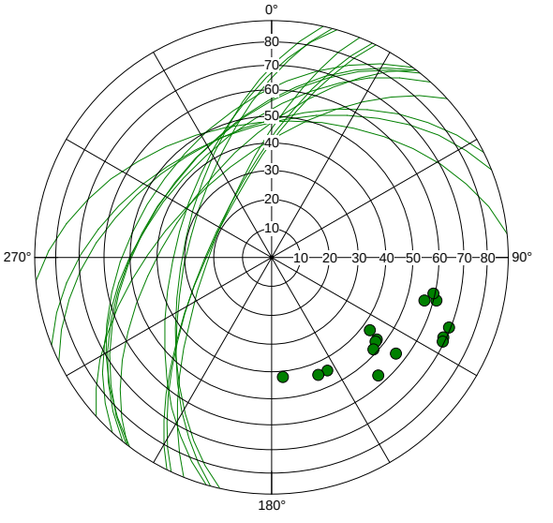
Components:	**Strike**
Counts:	**15.00**
Mean (2D):	**127.91**
Std.Dev.:	**20.18**

Strike - Absolute (Count)



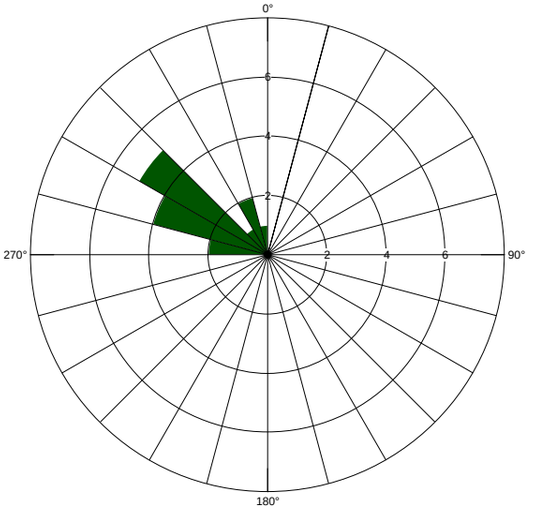
Components:	**Strike**
Counts:	**12.00**
Mean (2D):	**137.68**
Std.Dev.:	**16.66**

Schmidt Plot - LH - Bedding



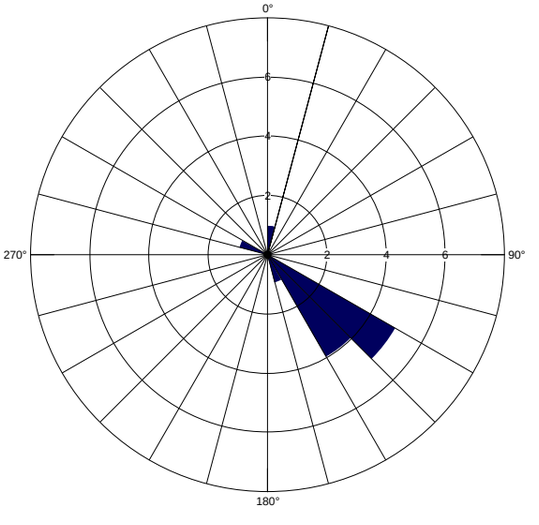
	Counts	Dip[deg]	Azi[deg]
Mean	**15**	**54.39**	**307.91**
	15	**54.39**	**307.91**

Azimuth - Absolute (Count)



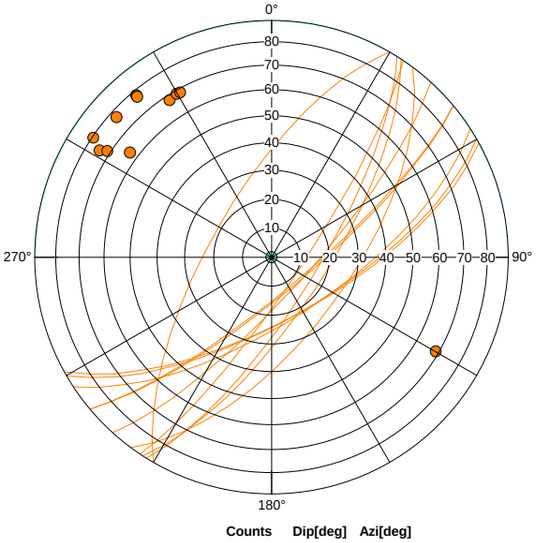
Components:	**Azimuth**
Counts:	**15.00**
Mean (2D):	**307.91**
Std.Dev.:	**20.18**
Min:	**282.53**
Max:	**354.30**

Azimuth - Absolute (Count)



Components:	**Azimuth**
Counts:	**12.00**
Mean (2D):	**132.52**
Std.Dev.:	**50.37**
Min:	**0.00**
Max:	**299.81**

Schmidt Plot - LH - Fractures



	Counts	Dip[deg]	Azi[deg]
Mean	**12**	**67.65**	**132.52**
	11	**72.49**	**137.30**
	1	**0.00**	**0.00**

MW-205 ATV Feature Summary Table				
Avg. Elevation of Feature (amsl)	**Dip Azimuth (deg from North)**	**Dip Angle (deg)**	**Strike (deg from North)**	**Feature Description**
77.26	284.81	73.12	194.81	Bedding Plane/Change in Lithology
76.97	282.53	71.99	192.53	Bedding Plane/Change in Lithology
76.69	285.95	70.15	195.95	Bedding Plane/Change in Lithology
75.44	299.81	73.99	209.81	Discontinuous Hairline Fracture/Feature
73.82	291.65	78.39	201.65	Bedding Plane/Change in Lithology
73.58	295.06	78.06	205.06	Bedding Plane/Change in Lithology
73.37	296.2	78.29	206.2	Bedding Plane/Change in Lithology
72.32	307.76	62.97	217.76	Bedding Plane/Change in Lithology
72.11	308.9	62.97	218.9	Bedding Plane/Change in Lithology
71.84	306.62	59.46	216.62	Bedding Plane/Change in Lithology
67.86	123.79	79.95	33.79	Discontinuous Hairline Fracture/Feature
67.55	126.46	73.08	36.46	Discontinuous Hairline Fracture/Feature
67.41	0	0	270	Discontinuous Fracture/Feature
65.87	333.8	60.2	243.8	Bedding Plane/Change in Lithology
65.73	338.35	60.26	248.35	Bedding Plane/Change in Lithology
65.53	354.3	58.27	264.3	Bedding Plane/Change in Lithology
64.88	132.15	80.46	42.15	Discontinuous Hairline Fracture/Feature
64.83	317.85	69.95	227.85	Bedding Plane/Change in Lithology
64.52	140.13	81.21	50.13	Discontinuous Hairline Fracture/Feature
64.35	140.13	80.69	50.13	Discontinuous Hairline Fracture/Feature
62.77	121.9	78.45	31.9	Discontinuous Hairline Fracture/Feature
61.86	123.04	76.18	33.04	Discontinuous Hairline Fracture/Feature
61.48	307.59	70.39	217.59	Bedding Plane/Change in Lithology
61.19	146.96	73.75	56.96	Discontinuous Hairline Fracture/Feature
60.92	149.91	74.16	59.91	Discontinuous Hairline Fracture/Feature
60.65	151.04	74.1	61.04	Discontinuous Hairline Fracture/Feature
60.64	312.15	64.96	222.15	Bedding Plane/Change in Lithology

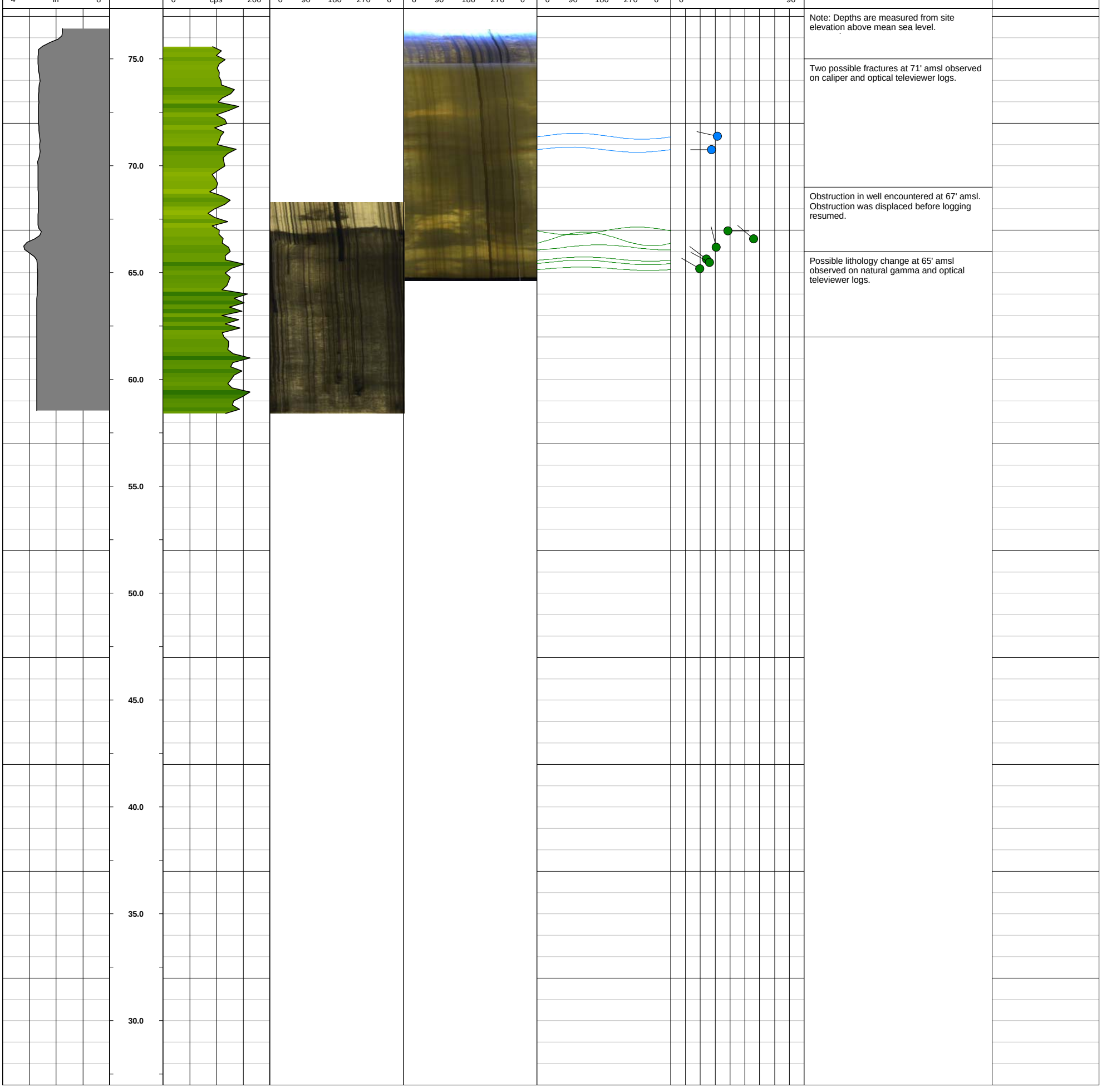
Earth Data Northeast, Inc.

Client: **RFMCH Huguenot Property Owner, LLC**
Location: **33 Centre Ave, New Rochelle, NY**
Well Name: **MW-206**
Date: **08/05/20**
Depth Reference: **Site Elevation/Ground Surface**
Magnetic Declination: **-12.87 deg**
North reference: **True North**

Borehole Diameter: **5.25" nominal**
Static Water Level Elevation: **No Water**
Casing Depth Elevation: **68.3' amsl**
Total Depth Elevation: **58.4' amsl**

Hairline Fracture/Feature

Bedding/Change in Lithology



Annotations

Note: Depths are measured from site elevation above mean sea level.

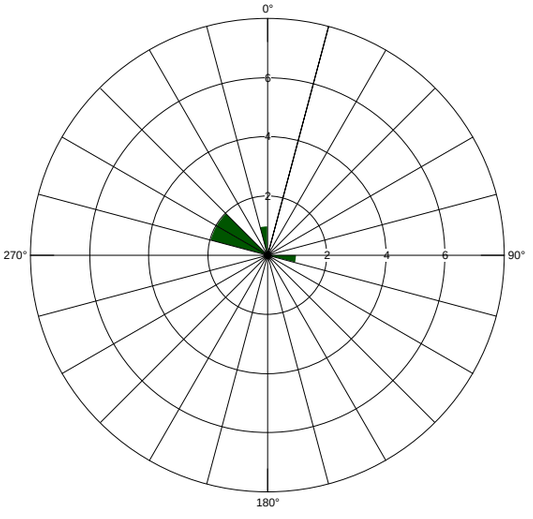
Two possible fractures at 71' amsl observed on caliper and optical televiewer logs.

Obstruction in well encountered at 67' amsl. Obstruction was displaced before logging resumed.

Possible lithology change at 65' amsl observed on natural gamma and optical televiewer logs.

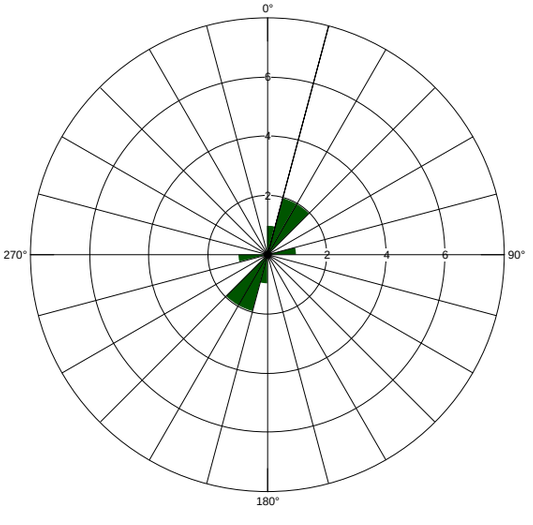
Bedding Dip Azimuth (green)	Fracture Strike (dark blue)	Polar Plot - Bedding Dip
Bedding Strike (green)	**Fracture Dip Azimuth (dark blue)**	**Polar Plot - Fracture Dip**

Azimuth - Absolute (Count)



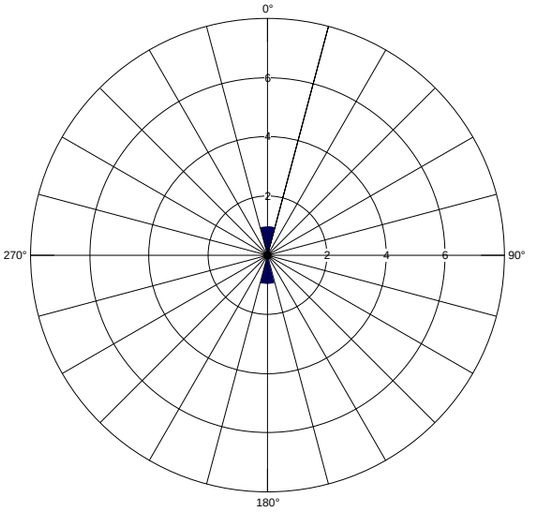
Components:	**Azimuth**
Counts:	**6.00**
Mean (2D):	**321.30**
Std.Dev.:	**50.40**
Min:	**90.57**
Max:	**346.37**

Strike - Absolute (Count)



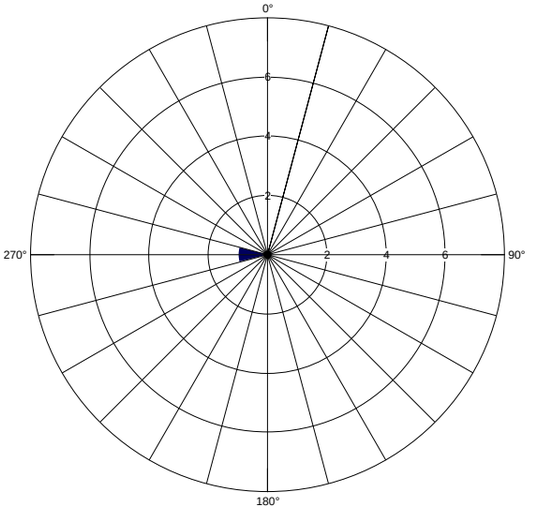
Components:	**Strike**
Counts:	**6.00**
Mean (2D):	**125.13**
Std.Dev.:	**22.34**

Strike - Absolute (Count)



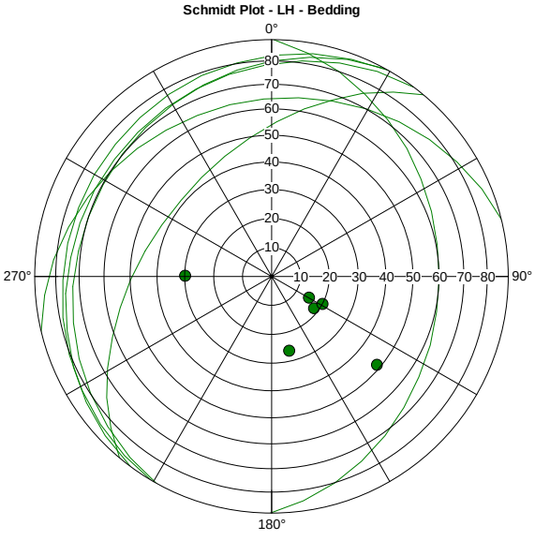
Components:	**Strike**
Counts:	**2.00**
Mean (2D):	**186.49**
Std.Dev.:	**119.12**

Azimuth - Absolute (Count)



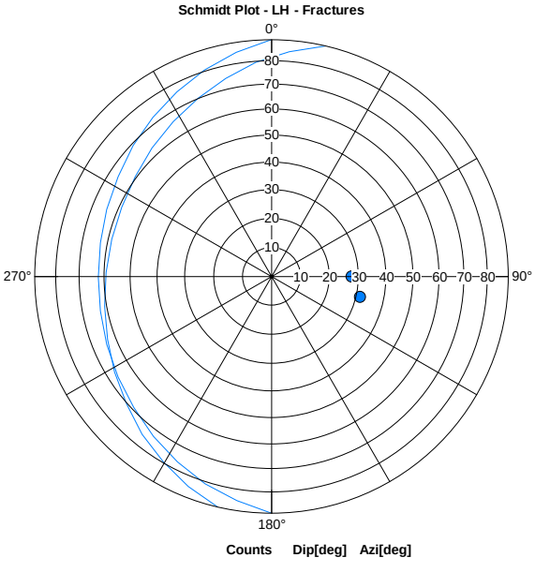
Components:	**Azimuth**
Counts:	**2.00**
Mean (2D):	**276.49**
Std.Dev.:	**6.62**
Min:	**269.88**
Max:	**283.11**

Schmidt Plot - LH - Bedding



	Counts	Dip[deg]	Azi[deg]
Mean	**6**	**26.29**	**321.30**
	6	**26.29**	**321.30**

Schmidt Plot - LH - Fractures



	Counts	Dip[deg]	Azi[deg]
Mean	**2**	**29.54**	**276.49**
	2	**29.54**	**276.49**

MW-206 ATV Feature Summary Table				
Avg. Elevation of Feature (amsl)	**Dip Azimuth (deg from North)**	**Dip Angle (deg)**	**Strike (deg from North)**	**Feature Description**
71.39	283.11	31.44	193.11	Hairline Fracture/Feature
70.76	269.88	27.64	179.88	Hairline Fracture/Feature
66.96	90.57	38.53	0.57	Bedding Plane/Change in Lithology
66.59	310.03	55.99	220.03	Bedding Plane/Change in Lithology
66.18	346.37	30.78	256.37	Bedding Plane/Change in Lithology
65.64	306.74	24.03	216.74	Bedding Plane/Change in Lithology
65.48	298.68	26.14	208.68	Bedding Plane/Change in Lithology
65.19	299.81	19.6	209.81	Bedding Plane/Change in Lithology

Earth Data Northeast, Inc.

Client: **RFMCH Huguenot Property Owner, LLC**
Location: **33 Centre Ave, New Rochelle, NY**
Well Name: **MW-207**
Date: **08/06/20**
Depth Reference: **Site Elevation/Ground Surface**
Magnetic Declination: **-12.87 deg**
North reference: **True North**

Borehole Diameter: **5.25" nominal**
Static Water Level Elevation: **73.9' amsl**
Casing Depth Elevation: **76.25' amsl**
Total Depth Elevation: **28.2' amsl**

Fracture/Feature
Hairline Fracture/Feature
Discontinuous Fracture/Feature
Discontinuous Hairline Fracture/Feature
Bedding/Change in Lithology

Borehole Diameter	Depth	Natural Gamma	Short Normal Resistivity	Acoustic Televiewer	Optical Televiewer	Features	Dip Tadpoles	Annotations
4 in 8	1in:5ft	0 cps 200	0 Ohm-m 5000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 90	
Fluid Temperature: 10 deg C 30		Spontaneous Potential: 0 mV 2000	Long Normal Resistivity: 0 Ohm-m 5000					
Fluid Conductivity: 0 uS/cm 1000			Single Point Resistance: 0 Ohm 2000					
Ambient gpm / Pumping gpm								

Note: Positive values denote upward flow. Negative values denote downward flow.
HPFM Tool Measuring Range: 0.03 - 1.0 gpm

Pump set at ~ 66' amsl
Rate: ~ 0.5 gpm
Drawdown: ~ 3.6' over 78 min

0.000 0.090
0.087 0.095
0.120 0.102
0.063 0.055

75.0 70.0 65.0 60.0 55.0 50.0 45.0 40.0 35.0 30.0

Note: Depths are measured from site elevation above mean sea level.

Apparent fracture at 74' amsl observed on caliper, acoustic and optical televiewer logs.

Bedding is moderate to high-angle dipping generally northwest.

Possible fracture at 60' amsl observed on fluid conductivity, acoustic and optical televiewers.

HPFM: No flow under ambient conditions measured at 59' amsl.
HPFM: Upward gradient measured between depths 49' and 59' amsl. Decrease in flow between these HPFM measurement depth during ambient and pumping HPFM logging associated with fractures at 52' and 53', indicative of outflow zone.

Possible lithology change and fracture at 52' amsl observed on fluid conductivity, natural gamma, acoustic and optical televiewer logs.

HPFM: Upward gradient measured between depths 37' and 49' amsl. Decrease in flow between these HPFM measurement depths during ambient and pumping HPFM logging associated with fractures at 41' and 47' amsl, indicative of outflow zone.

Apparent fracture and lithology change at 47' amsl observed on fluid temperature, fluid conductivity, caliper, resistivity, acoustic and optical televiewer logs.

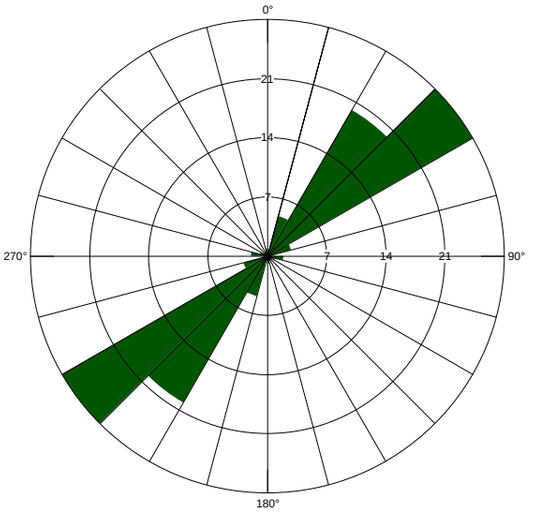
Apparent fracture at 41' amsl observed on fluid conductivity, caliper, acoustic and optical televiewer logs.

Apparent fracture and possible lithology change at 34' amsl observed on caliper, natural gamma, resistivity, acoustic and optical televiewer logs.

HPFM: Upward gradient measured between depths 29' and 37' amsl. Increase in flow between these HPFM measurement depths during ambient and pumping HPFM logging associated with fracture at 34' amsl, indicative of inflow zone.

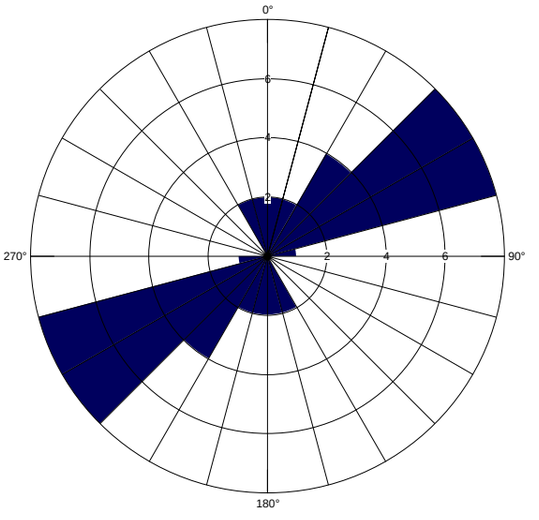
Bedding Strike (green)	Fracture Strike (dark blue)	Polar Plot - Bedding Dip
Bedding Dip Azimuth (green)	**Fracture Dip Azimuth (dark blue)**	**Polar Plot - Fracture Dip**

Strike - Absolute (Count)



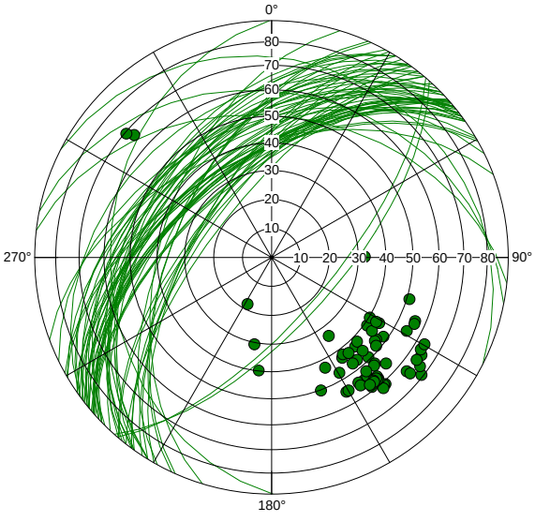
Components:	**Strike**
Counts:	**62.00**
Mean (2D):	**137.98**
Std.Dev.:	**21.21**

Strike - Absolute (Count)



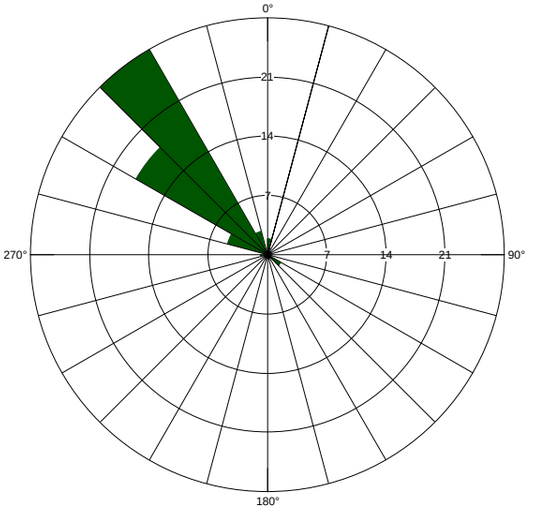
Components:	**Strike**
Counts:	**32.00**
Mean (2D):	**149.85**
Std.Dev.:	**39.31**

Schmidt Plot - LH - Bedding



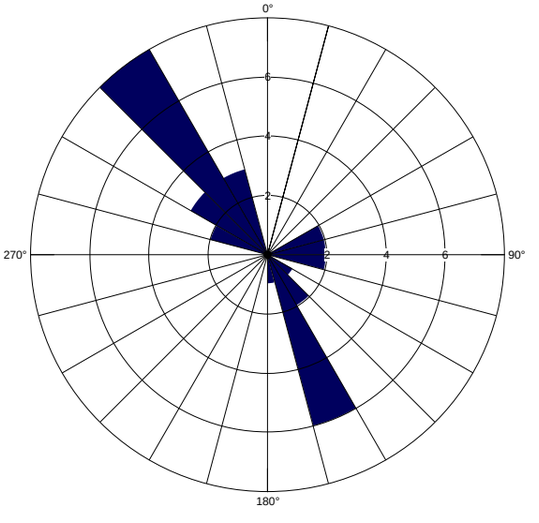
	Counts	Dip[deg]	Azi[deg]
Mean	**62**	**52.02**	**316.92**
	62	**52.02**	**316.92**

Azimuth - Absolute (Count)



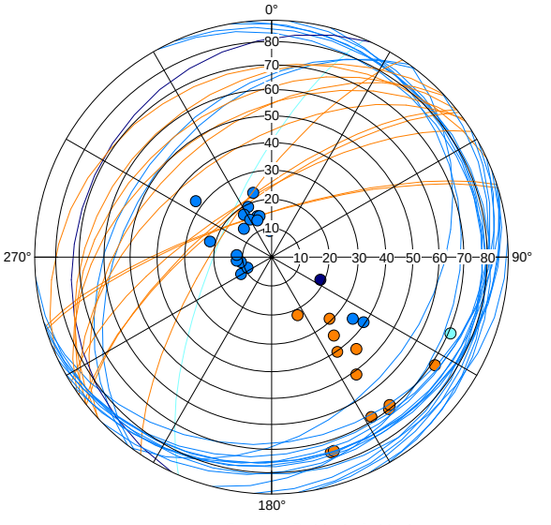
Components:	**Azimuth**
Counts:	**62.00**
Mean (2D):	**316.92**
Std.Dev.:	**27.49**
Min:	**6.60**
Max:	**339.56**

Azimuth - Absolute (Count)



Components:	**Azimuth**
Counts:	**32.00**
Mean (2D):	**357.64**
Std.Dev.:	**118.32**
Min:	**61.26**
Max:	**343.04**

Schmidt Plot - LH - Fractures



	Counts	Dip[deg]	Azi[deg]
Mean	**32**	**32.95**	**357.64**
	1	**71.32**	**293.21**
	18	**18.14**	**128.42**
	12	**54.48**	**325.02**
	1	**18.76**	**294.97**

MW-207 ATV Feature Summary Table				
Avg. Elevation of Feature (amsl)	**Dip Azimuth (deg from North)**	**Dip Angle (deg)**	**Strike (deg from North)**	**Feature Description**
74.16	293.21	71.32	203.21	Discontinuous Fracture/Feature
73.75	303.2	73.51	213.2	Bedding Plane/Change in Lithology
72.65	305.34	58.98	215.34	Bedding Plane/Change in Lithology
72.08	317.98	67.99	227.98	Bedding Plane/Change in Lithology
71.11	308	74.58	218	Bedding Plane/Change in Lithology
70.77	126.28	32.85	36.28	Hairline Fracture/Feature
69.52	61.26	12.15	331.26	Hairline Fracture/Feature
69.12	65.97	9.15	335.97	Hairline Fracture/Feature
68.87	80.1	10.64	350.1	Hairline Fracture/Feature
68.44	83.87	12.06	353.87	Hairline Fracture/Feature
68.16	310.05	69.91	220.05	Bedding Plane/Change in Lithology
67.78	310.05	71.26	220.05	Bedding Plane/Change in Lithology
67.73	94.24	12.08	4.24	Hairline Fracture/Feature
66.93	306.28	72.31	216.28	Bedding Plane/Change in Lithology
66.73	305.34	70.28	215.34	Bedding Plane/Change in Lithology
66.69	307.23	35.69	217.23	Hairline Fracture/Feature
66.57	301.57	69.56	211.57	Bedding Plane/Change in Lithology
66.54	305.34	39.6	215.34	Hairline Fracture/Feature
66.33	299.69	69.72	209.69	Bedding Plane/Change in Lithology
62.44	327.96	68.72	237.96	Discontinuous Hairline Fracture/Feature
61.79	343.04	75.07	253.04	Discontinuous Hairline Fracture/Feature
61.61	342.09	75.09	252.09	Discontinuous Hairline Fracture/Feature
60.77	322.3	70.29	232.3	Discontinuous Hairline Fracture/Feature
60.58	321.36	69.08	231.36	Discontinuous Hairline Fracture/Feature
59.23	329.34	55.78	239.34	Bedding Plane/Change in Lithology
58.8	315.71	57.42	225.71	Bedding Plane/Change in Lithology
58.57	315.71	60.46	225.71	Bedding Plane/Change in Lithology
58.24	330.79	62.51	240.79	Bedding Plane/Change in Lithology
58.05	329.84	62.43	239.84	Bedding Plane/Change in Lithology
57.61	318.53	64.96	228.53	Bedding Plane/Change in Lithology
57.23	318.53	67.62	228.53	Bedding Plane/Change in Lithology
56.89	319.48	68.37	229.48	Bedding Plane/Change in Lithology
56.11	316.85	51.33	226.85	Bedding Plane/Change in Lithology
55.66	305.34	49.7	215.34	Bedding Plane/Change in Lithology
55.5	301.57	48.89	211.57	Bedding Plane/Change in Lithology
55.3	301.57	52.1	211.57	Bedding Plane/Change in Lithology
55.05	308.17	55.36	218.17	Bedding Plane/Change in Lithology
54.86	309.11	55.26	219.11	Bedding Plane/Change in Lithology
54.72	306.28	52.6	216.28	Bedding Plane/Change in Lithology
54.58	301.57	51.87	211.57	Bedding Plane/Change in Lithology
53.51	310.05	56.74	220.05	Bedding Plane/Change in Lithology
52.06	269.53	40.53	179.53	Bedding Plane/Change in Lithology
51.25	286.85	59.02	196.85	Bedding Plane/Change in Lithology
51.06	104.61	21.9	14.61	Hairline Fracture/Feature
50.65	317.21	44.01	227.21	Discontinuous Hairline Fracture/Feature
50.36	11.36	38.73	281.36	Bedding Plane/Change in Lithology
49.61	27.26	23.94	297.26	Bedding Plane/Change in Lithology
48.64	6.6	48.42	276.6	Bedding Plane/Change in Lithology

48.16	175.29	9.11	85.29	Hairline Fracture/Feature
47.2	163.98	23.21	73.98	Hairline Fracture/Feature
46.72	303.46	71.77	213.46	Discontinuous Hairline Fracture/Feature
46.59	294.97	18.76	204.97	Fracture/Feature
46.2	316.65	60.62	226.65	Bedding Plane/Change in Lithology
45.72	324.19	63.48	234.19	Bedding Plane/Change in Lithology
45.46	323.25	62.62	233.25	Bedding Plane/Change in Lithology
45.25	325.13	62.09	235.13	Bedding Plane/Change in Lithology
44.97	321.36	62.05	231.36	Bedding Plane/Change in Lithology
44.63	322.3	65.91	232.3	Bedding Plane/Change in Lithology
44.41	318.53	64.26	228.53	Bedding Plane/Change in Lithology
43.78	312.88	63.48	222.88	Bedding Plane/Change in Lithology
43.29	325.13	63.81	235.13	Bedding Plane/Change in Lithology
42.85	324.19	51.44	234.19	Discontinuous Hairline Fracture/Feature
42.59	325.13	40.52	235.13	Discontinuous Hairline Fracture/Feature
42.07	335.5	21.97	245.5	Discontinuous Hairline Fracture/Feature
41.63	316.65	29.43	226.65	Discontinuous Hairline Fracture/Feature
41.35	321.36	34.93	231.36	Discontinuous Hairline Fracture/Feature
41.07	154.55	19.2	64.55	Hairline Fracture/Feature
40.58	147.02	17.51	57.02	Hairline Fracture/Feature
39.18	339.56	58.21	249.56	Bedding Plane/Change in Lithology
38.65	333.88	51.52	243.88	Bedding Plane/Change in Lithology
37.36	324.79	51.56	234.79	Bedding Plane/Change in Lithology
36.71	314.57	50.47	224.57	Bedding Plane/Change in Lithology
36.48	323.66	41.92	233.66	Bedding Plane/Change in Lithology
36.16	323.66	50.47	233.66	Bedding Plane/Change in Lithology
35.92	315.71	54.2	225.71	Bedding Plane/Change in Lithology
35.76	320.97	51.5	230.97	Bedding Plane/Change in Lithology
35.55	161.15	15.02	71.15	Hairline Fracture/Feature
35.32	320.25	55.19	230.25	Bedding Plane/Change in Lithology
35.18	322.52	55.19	232.52	Bedding Plane/Change in Lithology
34.94	320.25	60.3	230.25	Bedding Plane/Change in Lithology
34.66	318.87	64.6	228.87	Bedding Plane/Change in Lithology
34.51	319.12	64.22	229.12	Bedding Plane/Change in Lithology
34.4	320.25	64.22	230.25	Bedding Plane/Change in Lithology
34.36	135.71	13.62	45.71	Hairline Fracture/Feature
33.84	320.42	64.92	230.42	Bedding Plane/Change in Lithology
33.81	150.79	14.95	60.79	Hairline Fracture/Feature
33.61	163.04	14.96	73.04	Hairline Fracture/Feature
33.44	322.3	64.6	232.3	Bedding Plane/Change in Lithology
33.12	158.32	13.63	68.32	Hairline Fracture/Feature
32.53	298.68	62.14	208.68	Bedding Plane/Change in Lithology
32.43	294.03	63.44	204.03	Bedding Plane/Change in Lithology
32.23	294.97	63.44	204.97	Bedding Plane/Change in Lithology
30.64	131.74	72.05	41.74	Bedding Plane/Change in Lithology
29.82	130.6	74.22	40.6	Bedding Plane/Change in Lithology

Earth Data Northeast, Inc.

Client: **RFMCH Huguenot Property Owner, LLC**
Location: **33 Centre Ave, New Rochelle, NY**
Well Name: **MW-208**
Date: **08/11/20**
Depth Reference: **Site Elevation/Ground Surface**
Magnetic Declination: **-12.87 deg**
North reference: **True North**

Borehole Diameter: **5.25" nominal**
Static Water Level Elevation: **62.8' amsl**
Casing Depth Elevation: **47.9' amsl**
Total Depth Elevation: **40.9' amsl**

Fracture/Feature
Hairline Fracture/Feature
Discontinuous Hairline Fracture/Feature
Bedding/Change in Lithology

Borehole Diameter	Depth	Natural Gamma	Short Normal Resisitivity	Acoustic Televiewer	Optical Televiewer	Features	Dip Tadpoles	Annotations
4 in 8	1in:5ft	0 cps 200	0 Ohm-m 5000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 90	
Fluid Temperature: 10 deg C 30		Spontaneous Potential: 0 mV 2000	Long Normal Resistivity: 0 Ohm-m 5000					
Fluid Conductivity: 0 uS/cm 1000			Single Point Resistance: 0 Ohm 2000					
Ambient gpm / Pumping gpm								

Note: Positive values denote upward flow. Negative values denote downward flow.
HPFM Tool Measuring Range: 0.03 - 1.0 gpm

Pump set at ~ 56' amsl
Rate: ~ 0.5 gpm
Drawdown: ~ 4.65' over 45 min

0.000 0.000

80.0 75.0 70.0 65.0 60.0 55.0 50.0 45.0 40.0 35.0 30.0

Note: Depths are measured from site elevation above mean sea level.
Note: Bedrock resistivity data was unable to be isolated due to insufficient borehole depth.

Possible lithology change at 76' amsl observed on natural gamma and optical televiewer logs.

Possible lithology change at 72' amsl observed on natural gamma and optical televiewer logs.

Possible lithology change at 68' amsl observed on natural gamma and optical televiewer logs.

Possible lithology change at 62' amsl observed on natural gamma and optical televiewer logs.

Bedding is moderately dipping to the northwest.

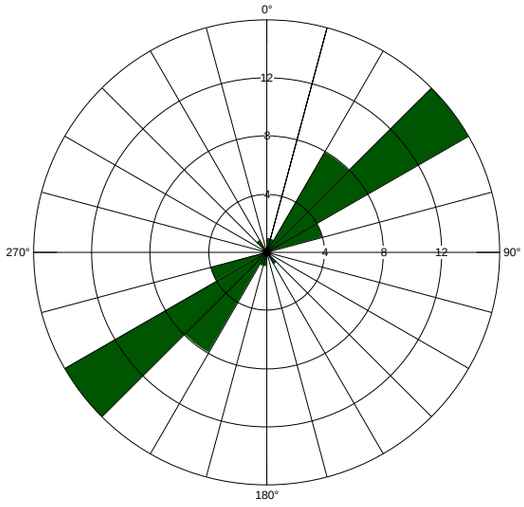
Apparent fracture at 48' amsl, below casing, observed on caliper, fluid conductivity, acoustic and optical televiewer logs.

Possible lithology change at 45' amsl observed on natural gamma, resistivity, acoustic and optical televiewer logs.

HPFM: No flow under ambient or pumping conditions measured at 44' amsl.

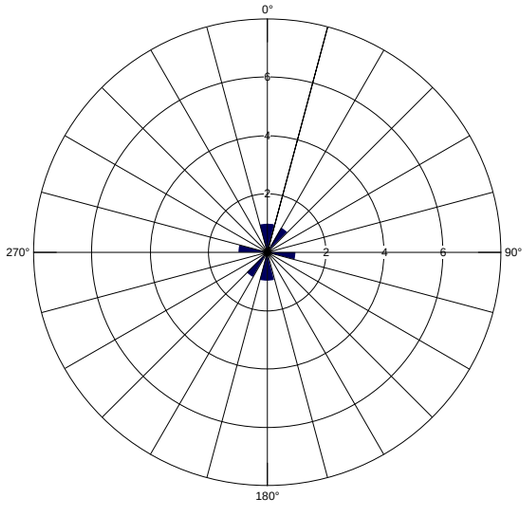
Bedding Strike (green)	Fracture Strike (dark blue)	Polar Plot - Bedding Dip
Bedding Dip Azimuth (green)	Fracture Dip Azimuth (dark blue)	Polar Plot - Fracture Dip

Strike - Absolute (Count)



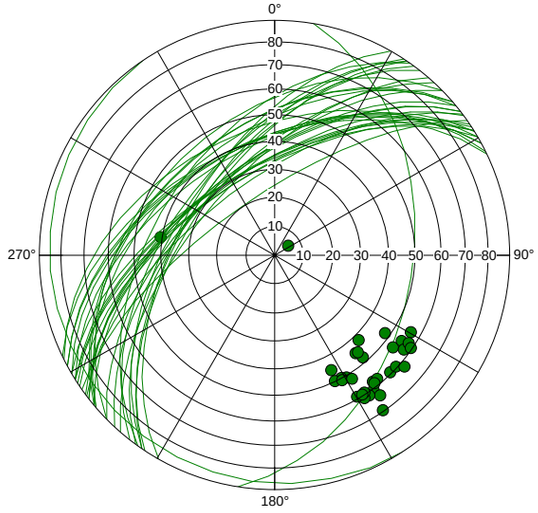
Components:	**Strike**
Counts:	**33.00**
Mean (2D):	**140.32**
Std.Dev.:	**19.27**

Strike - Absolute (Count)



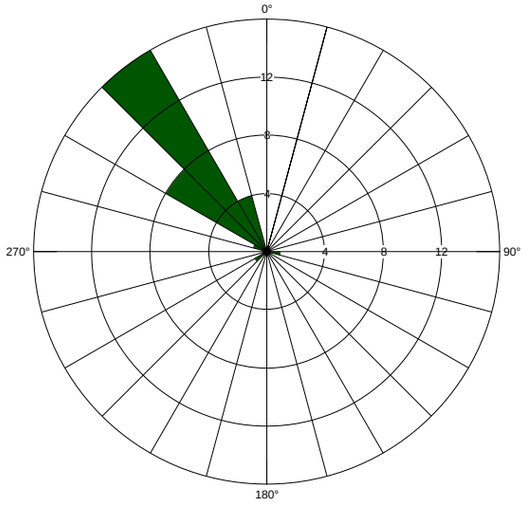
Components:	**Strike**
Counts:	**4.00**
Mean (2D):	**163.01**
Std.Dev.:	**65.38**

Schmidt Plot - LH - Bedding



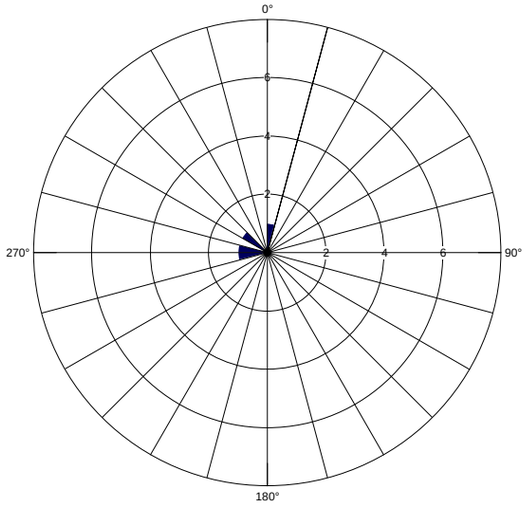
	Counts	Dip[deg]	Azi[deg]
Mean	**33**	**53.74**	**319.03**
	33	**53.74**	**319.03**

Azimuth - Absolute (Count)



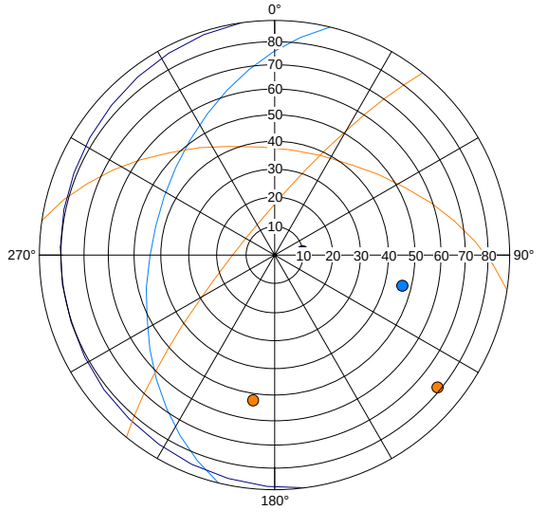
Components:	**Azimuth**
Counts:	**33.00**
Mean (2D):	**319.03**
Std.Dev.:	**25.53**
Min:	**99.21**
Max:	**334.49**

Azimuth - Absolute (Count)



Components:	**Azimuth**
Counts:	**4.00**
Mean (2D):	**303.55**
Std.Dev.:	**40.71**
Min:	**8.50**
Max:	**309.11**

Schmidt Plot - LH - Fractures



	Counts	Dip[deg]	Azi[deg]
Mean	**4**	**47.21**	**303.55**
	1	**46.76**	**283.67**
	2	**65.63**	**338.81**
	1	**9.78**	**262.03**

MW-208 ATV Feature Summary Table				
Avg. Elevation of Feature (amsl)	**Dip Azimuth (deg from North)**	**Dip Angle (deg)**	**Strike (deg from North)**	**Feature Description**
76.22	325.04	74.71	235.04	Bedding Plane/Change in Lithology
72.81	283.67	46.76	193.67	Hairline Fracture/Feature
72.22	99.21	49.11	9.21	Bedding Plane/Change in Lithology
71.17	8.5	52.64	278.5	Discontinuous Hairline Fracture/Feature
70.8	333.8	53.58	243.8	Bedding Plane/Change in Lithology
68.32	320.32	53.51	230.32	Bedding Plane/Change in Lithology
68.1	315.59	50.55	225.59	Bedding Plane/Change in Lithology
62.64	235.92	7.71	145.92	Bedding Plane/Change in Lithology
61.75	329.76	58.44	239.76	Bedding Plane/Change in Lithology
61.54	331.65	57.71	241.65	Bedding Plane/Change in Lithology
61.4	334.49	57.69	244.49	Bedding Plane/Change in Lithology
61.26	331.65	58.44	241.65	Bedding Plane/Change in Lithology
60.88	328.1	59.79	238.1	Bedding Plane/Change in Lithology
59.93	323.54	66.95	233.54	Bedding Plane/Change in Lithology
59.19	323.15	69.77	233.15	Bedding Plane/Change in Lithology
58.77	325.98	67.73	235.98	Bedding Plane/Change in Lithology
58.27	327.87	67.71	237.87	Bedding Plane/Change in Lithology
57.69	329.76	66.12	239.76	Bedding Plane/Change in Lithology
57.36	326.93	66.12	236.93	Bedding Plane/Change in Lithology
56.99	322.2	64.76	232.2	Bedding Plane/Change in Lithology
56.69	327.87	66.14	237.87	Bedding Plane/Change in Lithology
55.75	320.31	64.81	230.31	Bedding Plane/Change in Lithology
55.52	322.2	65.26	232.2	Bedding Plane/Change in Lithology
47.77	262.03	9.78	172.03	Fracture/Feature
47.7	319.37	65.88	229.37	Bedding Plane/Change in Lithology
47.5	319.37	64.8	229.37	Bedding Plane/Change in Lithology
46.57	315.59	66.59	225.59	Bedding Plane/Change in Lithology
46.27	312.76	66.59	222.76	Bedding Plane/Change in Lithology
45.88	310.87	68.74	220.87	Bedding Plane/Change in Lithology
45.15	308.03	61.75	218.03	Bedding Plane/Change in Lithology
44.06	305.32	56.46	215.32	Bedding Plane/Change in Lithology
43.24	304.25	62.79	214.25	Bedding Plane/Change in Lithology
42.51	299.69	63.79	209.69	Bedding Plane/Change in Lithology
42.35	306.28	65.07	216.28	Bedding Plane/Change in Lithology
42.25	303.46	65.23	213.46	Bedding Plane/Change in Lithology
42.06	304.4	66.53	214.4	Bedding Plane/Change in Lithology
42.02	309.11	78.61	219.11	Discontinuous Hairline Fracture/Feature

Earth Data Northeast, Inc.

Client: **RFMCH Huguenot Property Owner, LLC**
Location: **33 Centre Ave, New Rochelle, NY**
Well Name: **MW-209**
Date: **08/11/20**
Depth Reference: **Site Elevation/Ground Surface**
Magnetic Declination: **-12.87 deg**
North reference: **True North**

Borehole Diameter: **5.25" nominal**
Static Water Level Elevation: **67.0' amsl**
Casing Depth Elevation: **66.6' amsl**
Total Depth Elevation: **48.3' amsl**

Hairline Fracture/Feature
Discontinuous Fracture/Feature
Discontinuous Hairline Fracture/Feature
Bedding/Change in Lithology

Borehole Diameter	Depth	Natural Gamma	Short Normal Resistivity	Acoustic Televiewer	Optical Televiewer	Features	Dip Tadpoles	Annotations
4 in 8	1in:5ft	0 cps 200	0 Ohm-m 5000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 90	
Fluid Temperature		**Spontaneous Potential**	**Long Normal Resistivity**					
10 deg C 30		0 mV 2000	0 Ohm-m 5000					
Fluid Conductivity			**Single Point Resistance**					
0 uS/cm 1000			0 Ohms 2000					
Ambient gpm / **Pumping** gpm								

Note: Positive values denote upward flow. Negative values denote downward flow.
HPFM Tool Measuring Range: 0.03 - 1.0 gpm

Pump set at ~ 67' amsl
Rate: ~ 0.45 gpm
Drawdown: ~ 3.13' over 36 min

0.000 0.000

0.000 0.035

75.0
70.0
65.0
60.0
55.0
50.0
45.0
40.0
35.0
30.0

Note: Depths are measured from site elevation above mean sea level.
Note: Bedrock resistivity data was unable to be isolated due to insufficient borehole depth.

Bedding is moderate to high-angle dipping generally northwest.

Apparent fracture at 66' amsl observed on caliper, acoustic and optical televiewer logs.

Apparent fracture at 64' amsl observed on fluid conductivity, caliper, acoustic and optical televiewer logs.

HPFM: No flow under ambient or pumping conditions measured at 58' amsl.

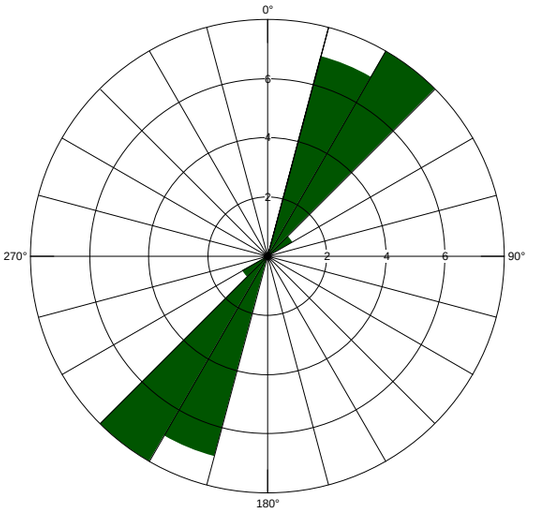
Possible lithology change at 56' amsl observed on natural gamma, resistivity, acoustic and optical televiewer logs.

Apparent fracture at 54' amsl observed on caliper, acoustic and optical televiewer logs.

HPFM: Upward gradient measured during pumping only between depths 50' and 58' amsl. Decrease in flow between these HPFM measuring depths during pumping HPFM logging associated with fracture at 54' amsl, indicative of outflow zone.
HPFM: No flow under ambient conditions measured at 50' amsl.

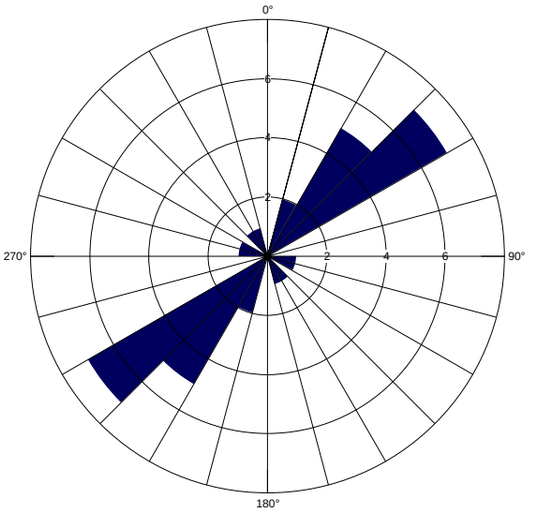
Bedding Strike (green)	Fracture Strike (dark blue)	Polar Plot - Bedding Dip
Bedding Dip Azimuth (green)	**Fracture Dip Azimuth (dark blue)**	**Polar Plot - Fracture Dip**

Strike - Absolute (Count)



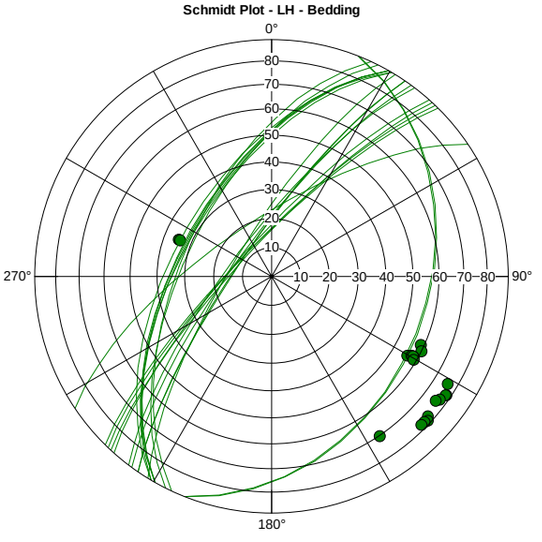
Components:	**Strike**
Counts:	**19.00**
Mean (2D):	**123.99**
Std.Dev.:	**8.52**

Strike - Absolute (Count)



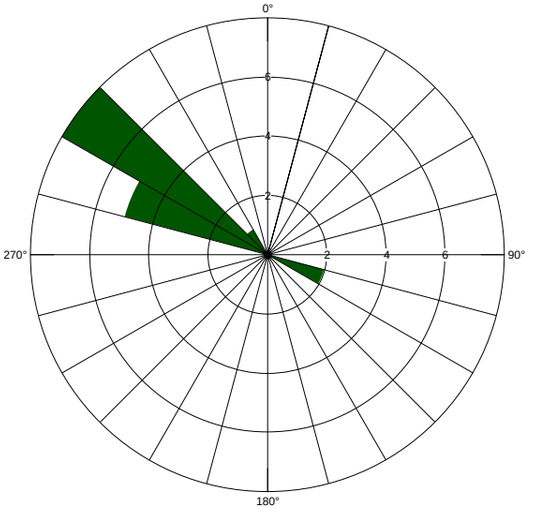
Components:	**Strike**
Counts:	**18.00**
Mean (2D):	**148.02**
Std.Dev.:	**36.59**

Schmidt Plot - LH - Bedding



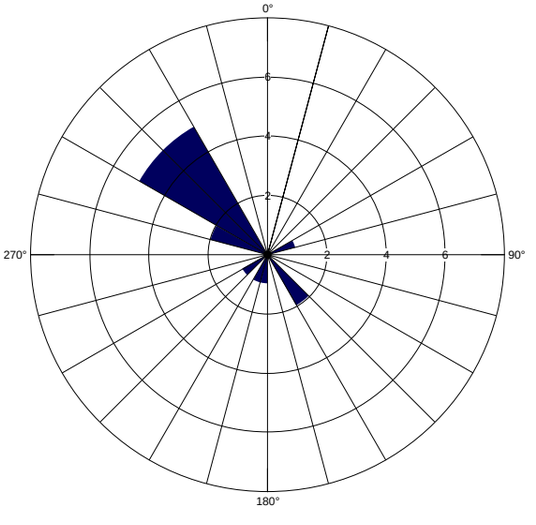
	Counts	Dip[deg]	Azi[deg]
Mean	**19**	**65.83**	**307.29**
	19	**65.83**	**307.29**

Azimuth - Absolute (Count)



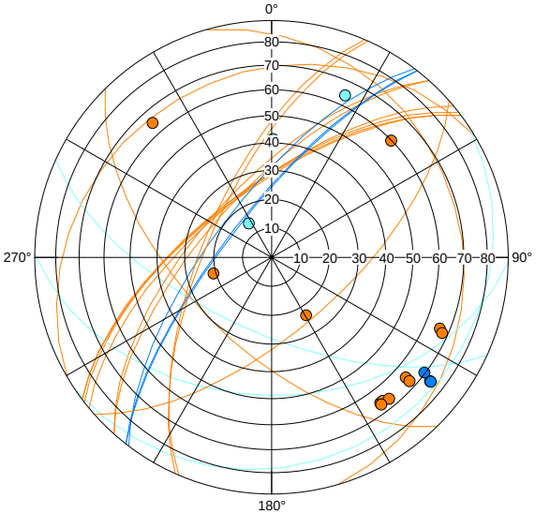
Components:	**Azimuth**
Counts:	**19.00**
Mean (2D):	**307.29**
Std.Dev.:	**39.90**
Min:	**111.61**
Max:	**325.98**

Azimuth - Absolute (Count)



Components:	**Azimuth**
Counts:	**18.00**
Mean (2D):	**298.12**
Std.Dev.:	**69.41**
Min:	**74.05**
Max:	**329.24**

Schmidt Plot - LH - Fractures



	Counts	Dip[deg]	Azi[deg]
Mean	**18**	**58.19**	**298.12**
	12	**58.82**	**312.79**
	3	**39.90**	**177.32**
	3	**72.76**	**307.72**

MW-209 ATV Feature Summary Table				
Avg. Elevation of Feature (amsl)	**Dip Azimuth (deg from North)**	**Dip Angle (deg)**	**Strike (deg from North)**	**Feature Description**
73.6	329.24	23.52	239.24	Discontinuous Hairline Fracture/Feature
73.47	111.61	34.85	21.61	Bedding Plane/Change in Lithology
72.54	111.65	34.33	21.65	Bedding Plane/Change in Lithology
70.23	225.57	59.94	135.57	Discontinuous Hairline Fracture/Feature
69.63	74.05	20.92	344.05	Discontinuous Hairline Fracture/Feature
66.42	146.07	14.03	56.07	Discontinuous Fracture/Feature
66.29	204.42	64.19	114.42	Discontinuous Fracture/Feature
64.46	323.15	66	233.15	Discontinuous Hairline Fracture/Feature
64.28	322.2	65.92	232.2	Discontinuous Hairline Fracture/Feature
64.02	311.81	65.22	221.81	Discontinuous Hairline Fracture/Feature
63.74	180.94	41.34	90.94	Discontinuous Fracture/Feature
63.71	311.81	67.41	221.81	Discontinuous Hairline Fracture/Feature
63.06	320.31	66.59	230.31	Discontinuous Hairline Fracture/Feature
62.79	325.98	70.59	235.98	Bedding Plane/Change in Lithology
62.19	311.81	77.78	221.81	Bedding Plane/Change in Lithology
61.58	312.76	78.92	222.76	Bedding Plane/Change in Lithology
61.3	313.7	78.33	223.7	Bedding Plane/Change in Lithology
61.04	314.65	78.22	224.65	Bedding Plane/Change in Lithology
59.72	323.15	66.56	233.15	Discontinuous Hairline Fracture/Feature
59.62	304.25	78.42	214.25	Bedding Plane/Change in Lithology
59.25	304.25	78.21	214.25	Bedding Plane/Change in Lithology
58.91	306.14	77.31	216.14	Bedding Plane/Change in Lithology
58.61	301.42	76.37	211.42	Bedding Plane/Change in Lithology
58.27	307.09	76.08	217.09	Bedding Plane/Change in Lithology
56.24	300.47	56.11	210.47	Bedding Plane/Change in Lithology
56.06	299.53	57.71	209.53	Bedding Plane/Change in Lithology
55.79	294.8	59.05	204.8	Bedding Plane/Change in Lithology
55.49	296.69	60.33	206.69	Bedding Plane/Change in Lithology
55.32	299.53	58.59	209.53	Bedding Plane/Change in Lithology
55.21	299.53	58.1	209.53	Bedding Plane/Change in Lithology
54.99	300.47	59.02	210.47	Bedding Plane/Change in Lithology
53.63	308.03	73.95	218.03	Hairline Fracture/Feature
53.4	308.03	74.53	218.03	Hairline Fracture/Feature
52.79	307.09	69.8	217.09	Hairline Fracture/Feature
52.08	138.53	64.9	48.53	Discontinuous Hairline Fracture/Feature
48.84	293.09	66.39	203.09	Discontinuous Hairline Fracture/Feature
48.62	294.03	67.8	204.03	Discontinuous Hairline Fracture/Feature

Earth Data Northeast, Inc.

Client: **RFMCH Huguenot Property Owner, LLC**
Location: **33 Centre Ave, New Rochelle, NY**
Well Name: **MW-210**
Date: **8/12/20**
Depth Reference: **Site Elevation/Ground Surface**
Magnetic Declination: **-12.87 deg**
North reference: **True North**

Borehole Diameter: **5.25" nominal**
Static Water Level Elevation: **72.9' amsl**
Casing Depth Elevation: **45.1' amsl**
Total Depth Elevation: **29.8' amsl**

Fracture/Feature
Hairline Fracture/Feature
Discontinuous Fracture/Feature
Discontinuous Hairline Fracture/Feature
Bedding/Change in Lithology

Borehole Diameter	Depth	Natural Gamma	Short Normal Resistivity	Acoustic Televiewer	Features	Dip Tadpoles	Annotations
4 in 8	1in:5ft	0 cps 200	0 Ohm-m 5000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 90	
Fluid Temperature		**Spontaneous Potential**	**Long Normal Resisitivity**				
10 deg C 30		0 mV 2000	0 Ohm-m 5000				
Fluid Conductivity			**Single Point Resistance**				
0 uS/cm 1000			0 Ohms 2000				
Ambient gpm / **Pumping** gpm							

Note: Positive values denote upward flow. Negative values denote downward flow.
HPFM Tool Measuring Range: 0.03 - 1.0 gpm

Pump set at ~ 52' amsl
Rate: ~ 0.5 gpm
Drawdown: ~ 1.26' over 35 min

0.000 0.170
0.000 0.194

75.0 70.0 65.0 60.0 55.0 50.0 45.0 40.0 35.0 30.0

Note: Depths are measured from site elevation above mean sea level.
Note: Site conditions may have impacted bedrock resistivity data.

Apparent fracture at 74' amsl observed on caliper and acoustic televiewer logs.

Apparent fracture at 73' amsl observed on caliper and acoustic televiewer logs.

Possible lithology change with fracture at 68' amsl observed on caliper, natural gamma, and acoustic televiewer logs.

Possible lithology change at 63' amsl observed on natural gamma and acoustic televiewer logs.

Apparent fracture zone with possible lithology change between depths 59' and 56' amsl observed on fluid conductivity, natural gamma, and acoustic televiewer logs.

Bedding is high-angle dipping generally northwest.

Apparent fracture at 52' amsl observed on fluid conductivity, caliper, and acoustic televiewer logs.

Possible lithology change with fracture at 49' amsl observed on caliper, natural gamma, and acoustic televiewer logs.

Apparent fracture at 45' amsl, below casing, observed on fluid conductivity, caliper, and acoustic televiewer logs.

HPFM: No flow under ambient conditions measured at 43' amsl.

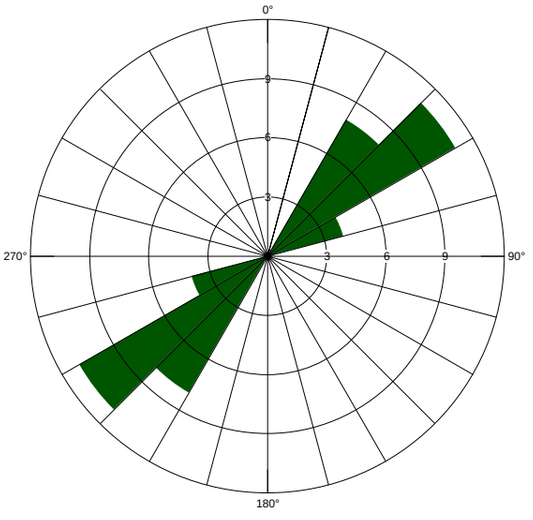
Apparent fracture with possible lithology change at 41' amsl observed on fluid conductivity, natural gamma, and acoustic televiewer logs.

HPFM: Upward gradient measured during pumping only between depths 33' and 43' amsl. Decrease in flow between these HPFM measurement depths during pumping HPFM logging associated with fracture at 41' amsl, indicative of outflow zone.
HPFM: No flow under ambient conditions measured at 33' amsl.

Apparent fracture at 31' amsl observed on caliper and acoustic televiewer logs.

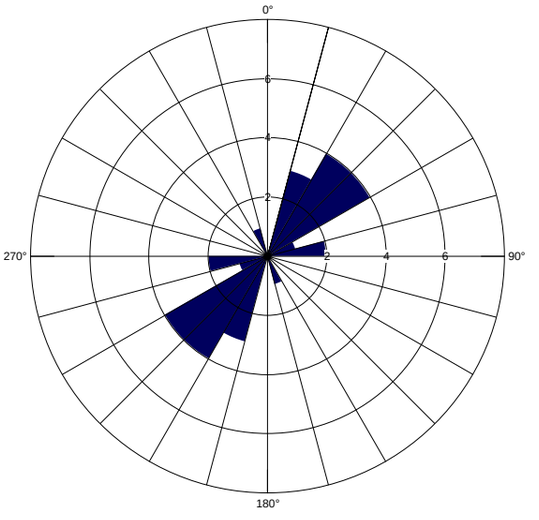
Bedding Strike (green)	Fracture Strike (dark blue)	Polar Plot - Bedding Dip
Bedding Dip Azimuth (green)	**Fracture Dip Azimuth (dark blue)**	**Polar Plot - Fracture Dip**

Strike - Absolute (Count)



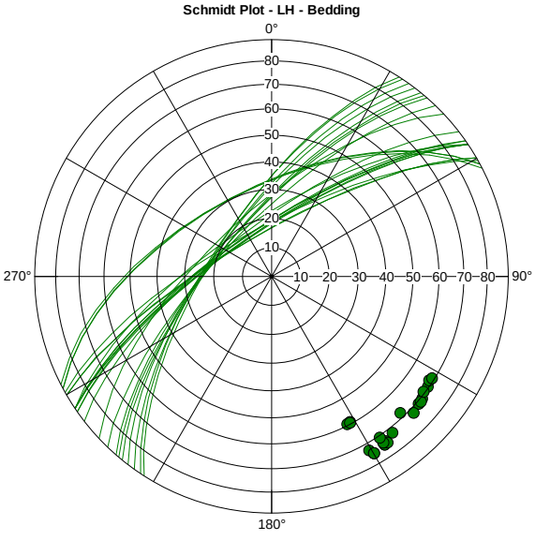
Components:	**Strike**
Counts:	**23.00**
Mean (2D):	**140.41**
Std.Dev.:	**10.00**

Strike - Absolute (Count)



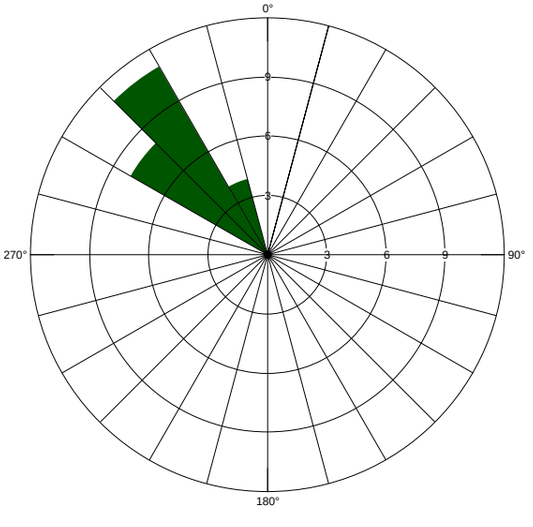
Components:	**Strike**
Counts:	**15.00**
Mean (2D):	**140.50**
Std.Dev.:	**31.79**

Schmidt Plot - LH - Bedding



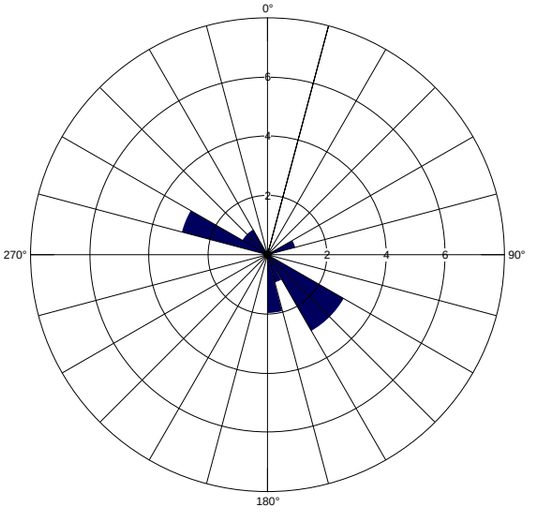
	Counts	Dip[deg]	Azi[deg]
Mean	**23**	**70.56**	**320.41**
	23	**70.56**	**320.41**

Azimuth - Absolute (Count)



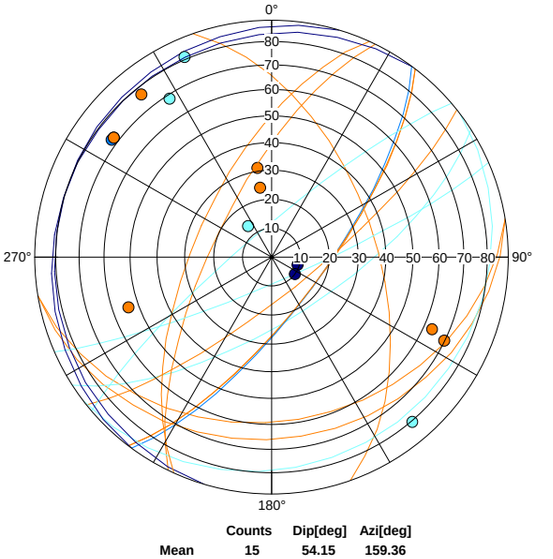
Components:	**Azimuth**
Counts:	**23.00**
Mean (2D):	**320.41**
Std.Dev.:	**10.00**
Min:	**302.51**
Max:	**332.83**

Azimuth - Absolute (Count)



Components:	**Azimuth**
Counts:	**15.00**
Mean (2D):	**159.36**
Std.Dev.:	**88.20**
Min:	**70.68**
Max:	**319.48**

Schmidt Plot - LH - Fractures



	Counts	Dip[deg]	Azi[deg]
Mean	**15**	**54.15**	**159.36**
	8	**58.46**	**148.93**
	4	**62.41**	**153.39**
	1	**72.63**	**126.28**
	2	**9.82**	**296.39**

MW-210 ATV Feature Summary Table				
Avg. Elevation of Feature (amsl)	**Dip Azimuth (deg from North)**	**Dip Angle (deg)**	**Strike (deg from North)**	**Feature Description**
74.25	170.58	31.37	80.58	Discontinuous Hairline Fracture/Feature
73.03	170.58	24.4	80.58	Discontinuous Hairline Fracture/Feature
68.27	331.7	67.89	241.7	Bedding Plane/Change in Lithology
66.8	332.83	68.4	242.83	Bedding Plane/Change in Lithology
66.74	147.21	68.69	57.21	Discontinuous Fracture/Feature
65.19	70.68	53.91	340.68	Discontinuous Hairline Fracture/Feature
63.3	331.7	66.95	241.7	Bedding Plane/Change in Lithology
59.33	330.77	77.53	240.77	Bedding Plane/Change in Lithology
59.33	145.13	7.58	55.13	Hairline Fracture/Feature
58.92	329.84	79.02	239.84	Bedding Plane/Change in Lithology
58.64	326.07	78.51	236.07	Bedding Plane/Change in Lithology
58.13	329.84	79.22	239.84	Bedding Plane/Change in Lithology
57.74	326.07	78.74	236.07	Bedding Plane/Change in Lithology
57.48	325.13	77.92	235.13	Bedding Plane/Change in Lithology
57.34	326.07	77.87	236.07	Bedding Plane/Change in Lithology
56.99	325.13	78.53	235.13	Bedding Plane/Change in Lithology
56.71	326.07	77.86	236.07	Bedding Plane/Change in Lithology
56.42	322.3	76.92	232.3	Bedding Plane/Change in Lithology
56	326.07	75.65	236.07	Bedding Plane/Change in Lithology
53.31	127.23	72.63	37.23	Discontinuous Hairline Fracture/Feature
52.67	126.28	72.63	36.28	Hairline Fracture/Feature
51.73	127.23	72.68	37.23	Discontinuous Hairline Fracture/Feature
50.45	141.36	77.06	51.36	Discontinuous Hairline Fracture/Feature
50.38	310.99	75.84	220.99	Bedding Plane/Change in Lithology
50.2	309.11	75.8	219.11	Bedding Plane/Change in Lithology
49.19	310.05	76.12	220.05	Bedding Plane/Change in Lithology
48.55	313.82	76.48	223.82	Bedding Plane/Change in Lithology
46.77	295.92	69.87	205.92	Discontinuous Hairline Fracture/Feature
44.57	142.68	13.6	52.68	Discontinuous Fracture/Feature
41.35	319.48	80.83	229.48	Discontinuous Fracture/Feature
40.96	286.49	9.57	196.49	Fracture/Feature
39.28	156.44	81.5	66.44	Discontinuous Fracture/Feature
36.93	305.34	74.72	215.34	Bedding Plane/Change in Lithology
36.19	303.46	73.97	213.46	Bedding Plane/Change in Lithology
36.03	302.51	74.33	212.51	Bedding Plane/Change in Lithology
34.1	307.23	74.69	217.23	Bedding Plane/Change in Lithology
32.81	294.34	63.5	204.34	Discontinuous Hairline Fracture/Feature
31.94	316.65	73.52	226.65	Bedding Plane/Change in Lithology
30.7	306.28	10.07	216.28	Fracture/Feature

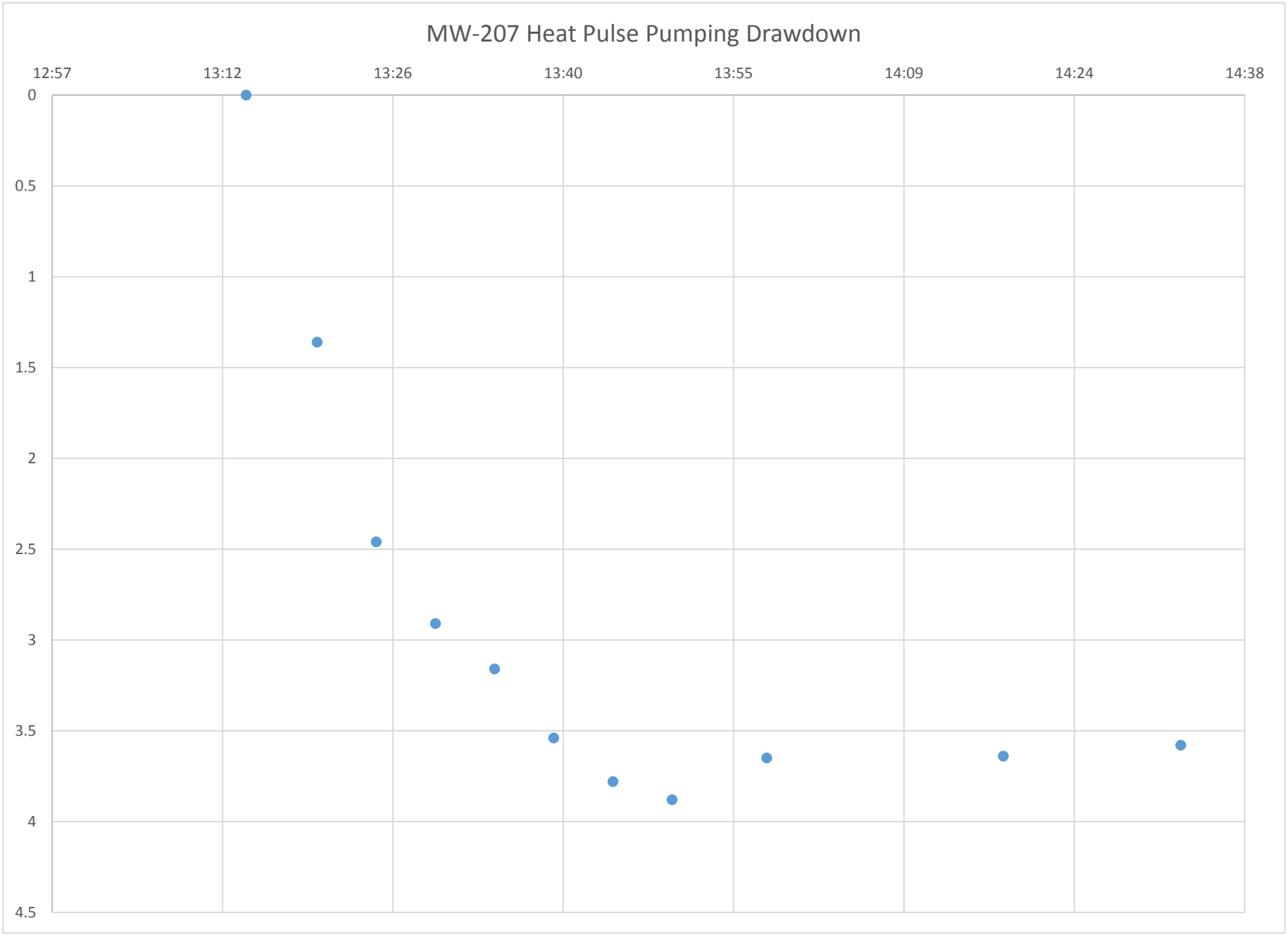
RFMCH Heat Pulse Pumping Drawdown

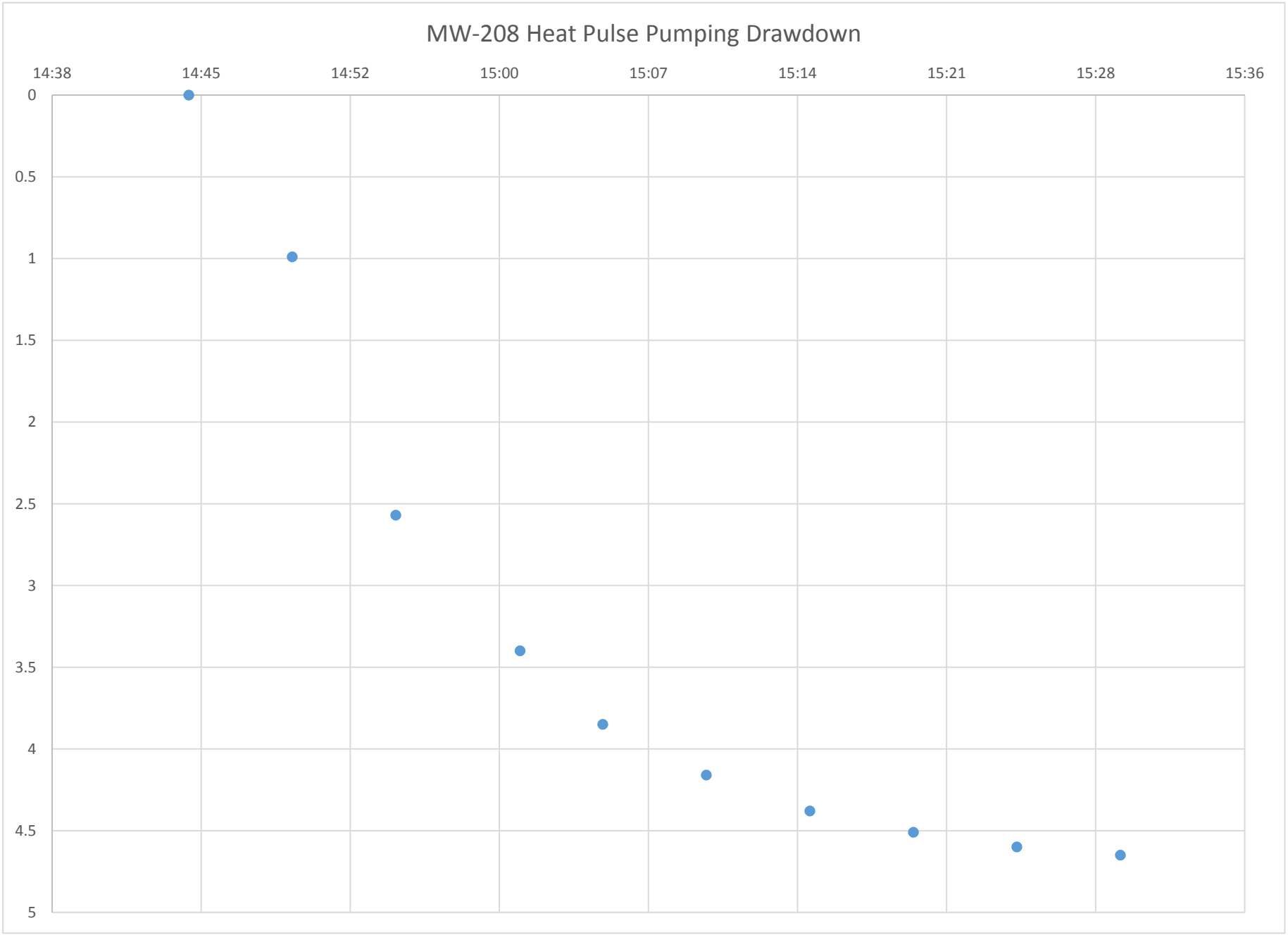
MW-207		
DTW	**Time**	**Drawdown**
3.03	13:14	0
4.39	13:20	1.36
5.49	13:25	2.46
5.94	13:30	2.91
6.19	13:35	3.16
6.57	13:40	3.54
6.81	13:45	3.78
6.91	13:50	3.88
6.68	13:58	3.65
6.67	14:18	3.64
6.61	14:33	3.58

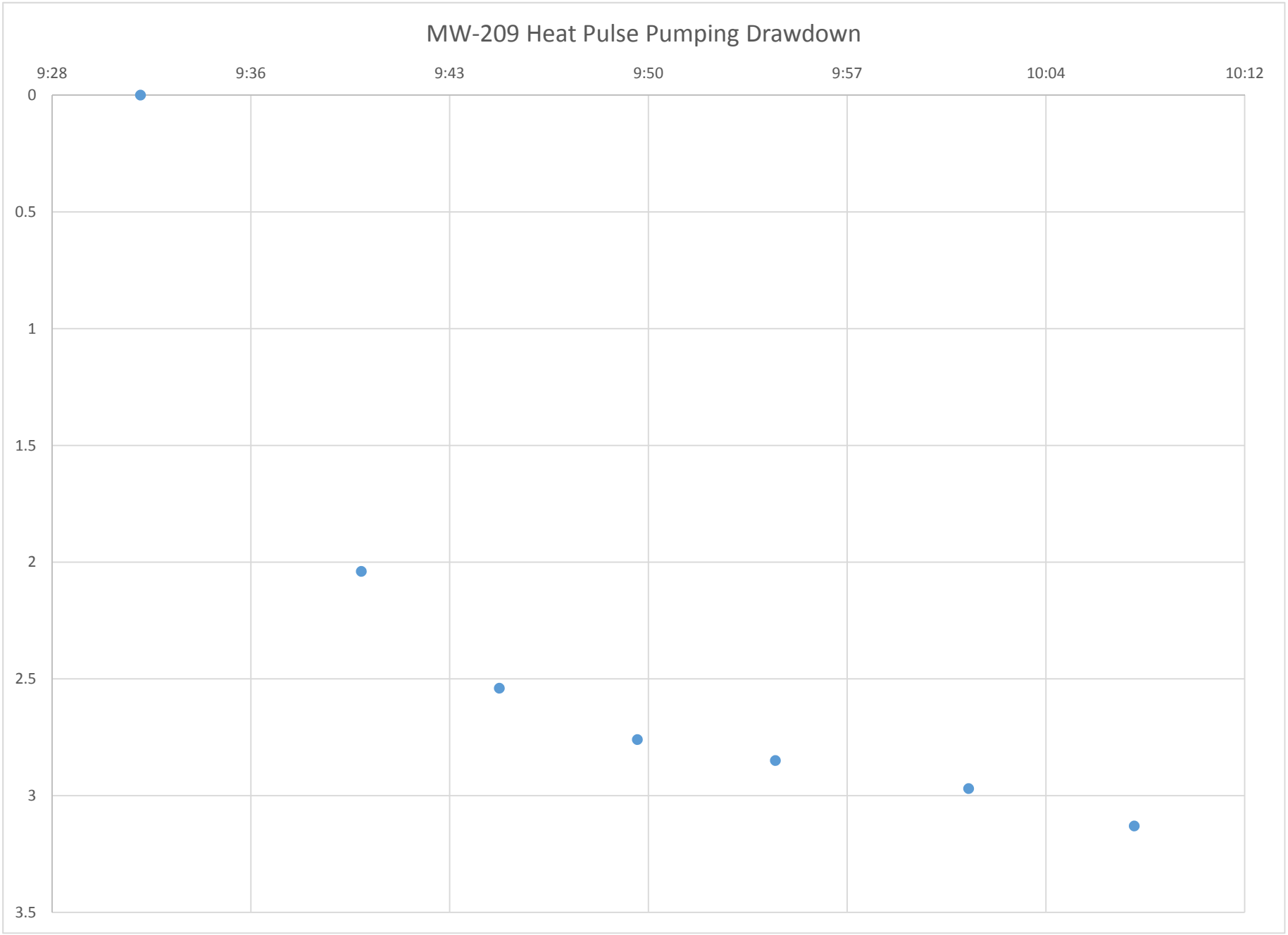
MW-208		
DTW	**Time**	**Drawdown**
11.32	14:45	8.29
12.31	14:50	9.28
13.89	14:55	10.86
14.72	15:01	11.69
15.17	15:05	12.14
15.48	15:10	12.45
15.7	15:15	12.67
15.83	15:20	12.8
15.92	15:25	12.89
15.97	15:30	12.94

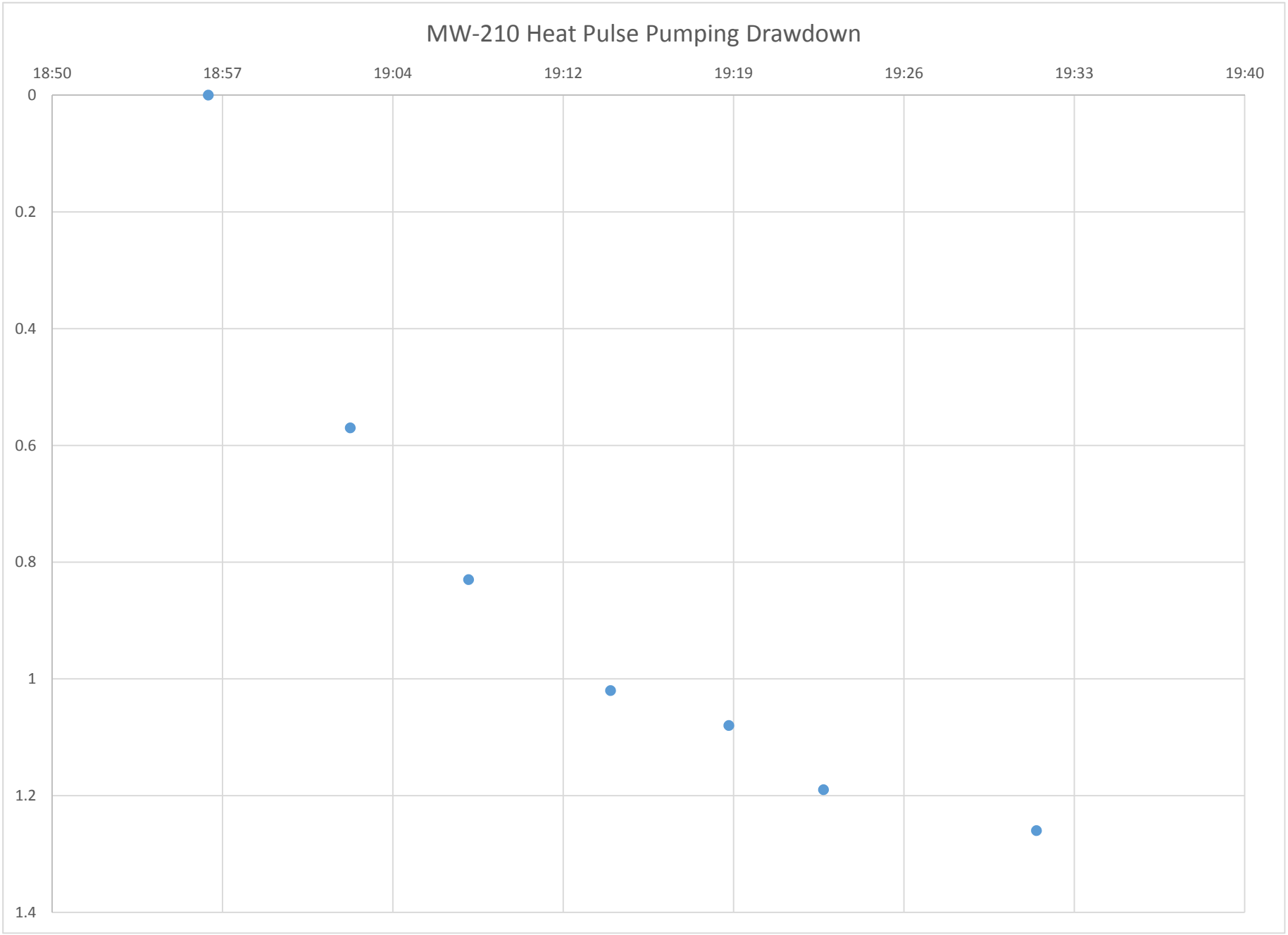
MW-209		
DTW	**Time**	**Drawdown**
3.41	9:32	0.38
5.45	9:40	2.42
5.95	9:45	2.92
6.17	9:50	3.14
6.26	9:55	3.23
6.38	10:02	3.35
6.54	10:08	3.51

MW-210		
DTW	**Time**	**Drawdown**
4.31	18:57	1.28
4.88	19:03	1.85
5.14	19:08	2.11
5.33	19:14	2.3
5.39	19:19	2.36
5.5	19:23	2.47
5.57	19:32	2.54


MW-207 Heat Pulse Pumping Drawdown
12:57
13:12
13:26
13:40
13:55
14:09
14:24
14:38
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5


MW-208 Heat Pulse Pumping Drawdown
14:38
14:45
14:52
15:00
15:07
15:14
15:21
15:28
15:36
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5


MW-209 Heat Pulse Pumping Drawdown
9:28
9:36
9:43
9:50
9:57
10:04
10:12
0
0.5
1
1.5
2
2.5
3
3.5


MW-210 Heat Pulse Pumping Drawdown
18:50
18:57
19:04
19:12
19:19
19:26
19:33
19:40
0
0.2
0.4
0.6
0.8
1
1.2
1.4

August 27, 2020

Kevin McManus
RFMCH Huguenot Property Owner, LLC
7 Renaissance Square, 4th Floor
White Plains, New York 10601

RE: Addendum to: "Results of Borehole Geophysical Logging: MW-204, MW-205, MW-206, MW-207, MW-208, MW-209, and MW-210, RFMCH Huguenot Property, 33 Centre Ave, New Rochelle, NY"

Dear Mr. McManus,

On August 21, 2020 Earth Data Northeast, Inc. ("EDN") submitted to RFMCH Huguenot Property Owner, LLC ("Owner") the report entitled: "Results of Borehole Geophysical Logging: MW-204, MW-205, MW-206, MW-207, MW-208, MW-209, and MW-210."

On Tuesday August 25, 2020, EDN mobilized to the project site to perform borehole geophysical logging on three additional monitoring wells MW-201, MW-202 and MW-203 which were drilled on August 24, 2020. This Addendum provides the data of geophysical logging of MW-201, MW-202 and MW-203.

Borehole Geophysical Logging

The following suite of geophysical logs was performed (as indicated by the "X") on MW-201, MW-202 and MW-203.

- ☐Color Borehole Video Survey
- ☒Fluid Temperature / Fluid Conductivity
- ☒3-Arm Caliper
- ☐Electrical Resistivity Suite
  - ☐Spontaneous Potential ("SP")
  - ☐Single Point Resistance ("SPR")
  - ☐Short (16") & Long (64") Normal Resistivity
- ☒Natural Gamma
- ☒Acoustic Televiewer ("ATV")
- ☒Optical Televiewer ("OTV")
- ☒Heat Pulse Flowmeter
  - ☒Ambient conditions
  - ☐Pumping conditions

All geophysical logs presented in this report are referenced from site elevation above mean sea level ("amsl").

The total depths of MW-201, MW-202 and MW-203 were 7.1 feet, 8.4 feet, 16.9 feet below ground surface respectively. The depths of the wells MW-201, MW-202 and MW-203 are much shallower than the wells MW-204, MW-205, MW-206, MW-207, MW-208, MW-209 and MW-210. The wells MW-201, MW-202 and MW-203 were installed and logged following the pouring of the steel reinforced concrete pad. For this reason, the electrical resistivity tools were not run. Reviewers should note, the presence of metal within the pad influenced data obtained from the acoustic and optical televiewers, and that heat pulse flowmeter could not be run under pumping conditions due very shallow well depths and limited available water within the boreholes. Fluid temperature and conductivity, caliper, and natural gamma logs did not appear to be influenced by the metal rebar within the concrete pad.

Because of the depth limitations of MW-201, MW-202 and MW-203, wells MW-204, MW-205, MW-206, MW-207, MW-208, MW-209 and MW-210 best represent subsurface conditions at the site which exhibit zones with one or more fractures, separated by a zone of competent bedrock with limited fracturing which varies in thickness from approximately 10 feet to greater than 25 feet (refer to EDN August 21, 2020 report).

Results of Borehole Geophysical Logging

The results of the borehole geophysical logging conducted at the site are summarized below. A geophysical composite graph that contains the logs performed in each well is included as an attachment.

Despite limitations presented by the rebar reinforced concrete, the ATV in MW-203 provided qualitative data relative to the presence of shallow subsurface features. Features identified with the ATV are presented in graphical format with respect to its potential aperture, and can be found in the attachment. A qualitative classification of each feature was assigned according to the following criteria:

Fracture/Feature – an obvious, dark sinusoidal line across the entire acoustic image; usually supported by the response of the 3-arm caliper.

Hairline Fracture/Feature – as above, though not as evident; generally minimal aperture noted

Discontinuous Fracture (Hairline or otherwise)/Feature – the sinusoidal line does not span across entire acoustic image.

Bedding – the sinusoidal line is continuous across the entire acoustic image, generally minimal aperture noted

Change in Lithology – the sinusoidal line is continuous across the entire acoustic image, usually supported by natural gamma log and/or response of acoustic return; generally minimal aperture noted

More features may exist than were identified. Characterization of features was aided by WellCAD 5.2 software provided by the geophysical tool manufacturer, Mount Sopris Instruments, Inc.

Available data collected by the Heat Pulse Flowmeter are presented in tabular format, and can be found within the body of this report. While reviewing heat pulse data, please note the following:

- Inflow zones (water flowing into the borehole) are generally observed where flow directions diverge (i.e. a negative number above, a positive number below) from an area/feature within the borehole or increase in strength while moving in the same direction.

- Outflow zones (water flowing out of the borehole and into the formation) are generally observed where flow directions converge (i.e. a negative number above, a positive number below) on an area/feature or decrease in strength while moving in the same direction.

- According to its manufacturer, Mount Sopris Instruments, Inc., the operating range of the heat pulse probe is 0.03 to 1.0 gpm.

- The accuracy and reliability of the heat pulse flowmeter are dependent on borehole conditions. If the borehole fluid is turbulent or heavily impacted with particulates, the log may produce inconclusive results.

- It is important to note that the open borehole creates a conduit for water to flow between fractures. Therefore, flow patterns may not be indicative of the natural conditions that existed prior to the commencement of drilling operations.

MW-201

Well diameter: 5” nominal
Site elevation: 77’ amsl
Total depth elevation: 69.9’ amsl
Casing depth elevation: 73.5’ amsl
Static water level elevation: N/A

Field observations / Remarks:

Note: No water was encountered in the borehole.
Note: Televiewer image could not orient due to magnetic interference caused by the presence of metal rebar in the concrete slab.

Rock characteristics:

- Possible lithology change at 73’ amsl observed on natural gamma log.

MW-202

Well diameter: 5” nominal
Site elevation: 77’ amsl
Total depth elevation: 68.6’ amsl
Casing depth elevation: 71’ amsl
Static water level elevation: 75.6’ amsl

Field observations / Remarks:

Note: Televiewer image could not orient due to magnetic interference caused by the presence of metal rebar in the concrete slab.

Rock characteristics:

- Potential fracture at 71’ amsl, just below casing, observed on caliper and acoustic logs.
- Potential fracture at 69’ amsl observed on caliper, acoustic and optical televiewer logs.

Fluid characteristics:

- Heat pulse flowmeter results indicate no measurable vertical flow in the borehole under ambient conditions.

Heat pulse flow-meter results:

Heat Pulse Flow Stations	Ambient Flow Direction	Ambient Rate in GPM
70’ amsl	No Flow	0.000

MW-203

Well diameter: 5” nominal
Site elevation: 77’ amsl
Total depth elevation: 60.1’ amsl
Casing depth elevation: 74.1’ amsl
Static water level elevation: 70.05’ amsl

Field observations / Remarks:

Note: Televiewer image could not orient due to magnetic interference caused by the presence of metal rebar in the concrete slab.

Rock characteristics:

- Two apparent hairline fractures at 67’ amsl observed on caliper and acoustic televiewer logs.
- Apparent hairline fracture at 63’ amsl observed on caliper, acoustic and optical televiewer logs.
- Potential hairline at 62’ amsl observed on acoustic and optical televiewer logs.

Fluid characteristics:

- Fluid temperature and conductivity generally decreases with depth.
- Heat pulse flow-meter results indicate no measurable vertical flow at 68’ amsl under ambient conditions.
- Heat pulse flow-meter results indicate an upward gradient between depths 63’ and 68’

Heat pulse flow-meter results:

Heat Pulse Flow Stations	Ambient Flow Direction	Ambient Rate in GPM
68’ amsl	No Flow	0.000
63’ amsl	Upward	0.038

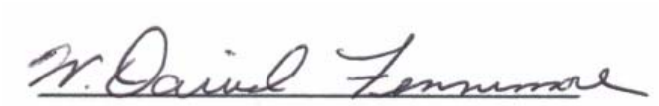
The findings and conclusions presented in this report are the result of fieldwork, data analysis, and interpretations completed by EDN personnel as of this date. This report was prepared in response to a request from Owner, using generally accepted geophysical practices, for the exclusive use of Owner. No other warranty, express or implied, is made.

Additional copies of the geophysical logs are available upon request.

If you should have any further questions or comments, please feel free to contact me at (610) 909-6335 or via email at djennings@earthdatane.com.

Sincerely,

Daniel Jennings
Staff Geoscientist
Earth Data Northeast, Inc.



W. David Fennimore
Senior Hydrogeologist/President
Earth Data Northeast, Inc.

Earth Data Northeast, Inc.

Client: **RFMCH Huguenot Property Owner, LLC**
Location: **33 Centre Ave, New Rochelle, NY**
Well Name: **MW-201**
Date: **08/25/20**
Depth Reference: **Site Elevation/Ground Surface**
Magnetic Declination: **-12.87 deg**
North reference: **True North**

Borehole Diameter: **5" nominal**
Static Water Level Elevation: **No Water**
Casing Depth Elevation: **73.5' amsl**
Total Depth Elevation: **69.9' amsl**

Borehole Diameter (4 in 8)	Depth (1in:5ft)	Natural Gamma (0 cps 200)	Optical Televiewer (0° 90° 180° 270° 0°)	Annotations
	75.0			Note: Depths are measured from site elevation above mean sea level. Reviewer should note that the well was drilled and logged following the pouring of the concrete slab. For this reason, rebar in the concrete appears to have interfered with electrical and magnetic responses.
	70.0			Potential lithology change at 73' amsl observed on natural gamma log.
	65.0			
	60.0			
	55.0			
	50.0			
	45.0			
	40.0			
	35.0			
	30.0			

Earth Data Northeast, Inc.

Client: **RFMCH Huguenot Property Owner, LLC**
Location: **33 Centre Ave, New Rochelle, NY**
Well Name: **MW-202**
Date: **08/25/20**
Depth Reference: **Site Elevation/Ground Surface**
Magnetic Declination: **-12.87 deg**
North reference: **True North**

Borehole Diameter: **5" nominal**
Static Water Level Elevation: **75.6' amsl**
Casing Depth Elevation: **71' amsl**
Total Depth Elevation: **68.6' amsl**

Borehole Diameter	Depth	Natural Gamma	Acoustic Televiewer	Optical Televiewer	Annotations
4 in. 8	1in:5ft	0 cps 200	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	

Fluid Temperature: 10 deg C 30

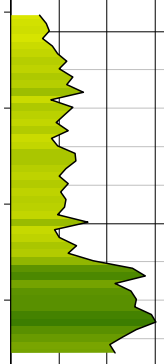
Fluid Conductivity: 0 uS/cm 1000

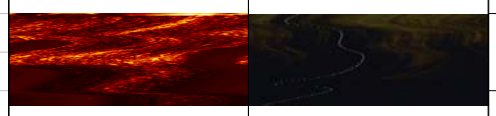
Ambient gpm

Note: Positive values denote upward flow. Negative values denote downward flow.
HPFM Tool Measuring Range: 0.03 - 1.0 gpm

0.000

75.0
70.0
65.0
60.0
55.0
50.0
45.0
40.0
35.0
30.0





Note: Depths are measured from site elevation above mean sea level.

Reviewer should note that the well was drilled and logged following the pouring of the concrete slab. For that reason, rebar in the concrete appears to have interfered with electrical and magnetic responses.

Potential fracture at 71' amsl, just below casing, observed on caliper and acoustic televiewer logs.

HPFM: No vertical flow measured under ambient conditions at 70' amsl.

Potential fracture at 69' amsl observed on caliper, acoustic and optical televiewer logs.

Earth Data Northeast, Inc.

Client: **RFMCH Huguenot Property Owner, LLC**
Location: **33 Centre Ave, New Rochelle, NY**
Well Name: **MW-203**
Date: **08/25/20**
Depth Reference: **Site Elevation/Ground Surface**
Magnetic Declination: **-12.87 deg**
North reference: **True North**

Borehole Diameter: **5" nominal**
Static Water Level Elevation: **70.05' amsl**
Casing Depth Elevation: **74.1' amsl**
Total Depth Elevation: **60.1' amsl**

Hairline Fracture/Feature

Bedding/Change in Lithology

Borehole Diameter	Depth	Natural Gamma	Acoustic Televiewer	Optical Televiewer	Features	Dip Tadpoles	Annotations
4 in. 8	1in:5ft	0 cps 200	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 90	

Fluid Temperature
10 deg C 30

Fluid Conductivity
0 uS/cm 1000

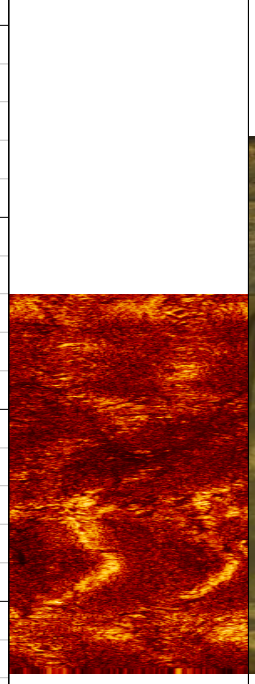
Ambient
gpm

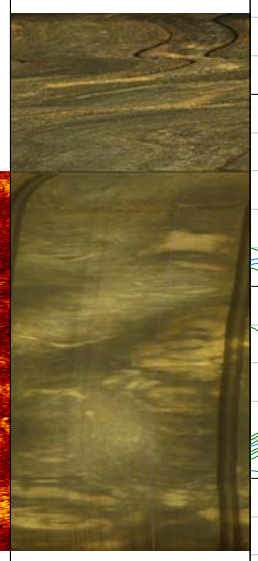
Note: Positive values denote upward flow. Negative values denote downward flow.
HPFM Tool Measuring Range: 0.03 - 1.0 gpm

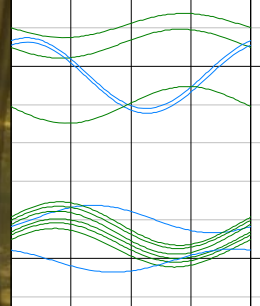
0.000

0.038

75.0
70.0
65.0
60.0
55.0
50.0
45.0
40.0
35.0
30.0







Note: Depths are measured from site elevation above mean sea level.

Reviewer should note that the well was drilled and logged following the pouring of the concrete slab. For this reason, rebar within the concrete appears to have interfered with electrical and magnetic responses.

HPFM: No vertical flow measured under ambient conditions at 68' amsl.

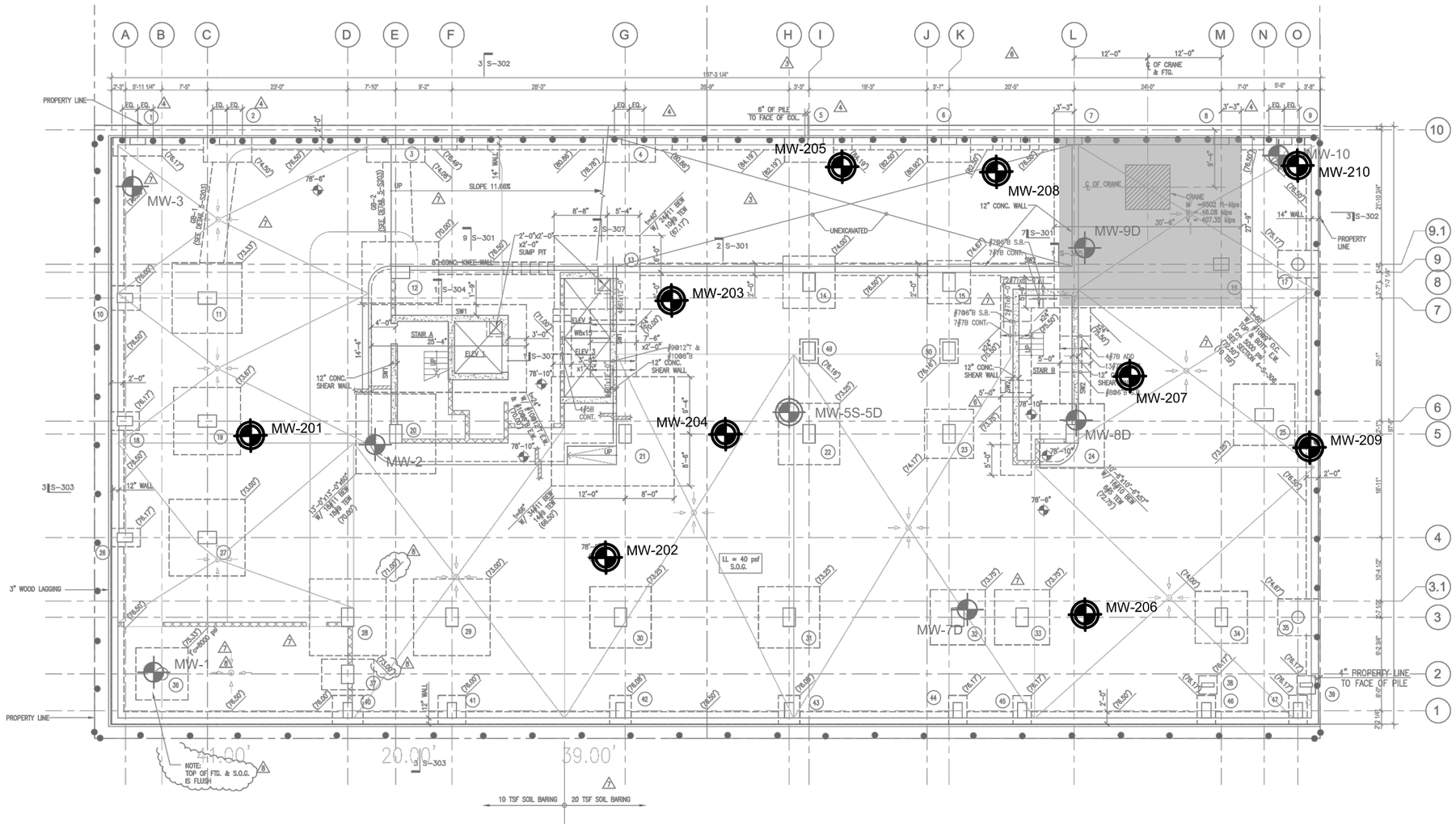
Two apparant hairline fractures at 67' amsl observed on caliper and acoustic televiewer logs.

Apparent hairline fracture at 63' amsl observed on caliper, acoustic and optical televiewer logs.

HPFM: Upward gradient measured between depths 63' and 68' amsl. Decrease in flow between these HPFM measurement depth during ambient HPFM logging associated with fractures at 63' and 66', indicative of outflow zones.

Potential hairline fracture at 62' amsl observed on acoustic and optical televiewer logs.

ATTACHMENT 2: MONITORING WELL PLAN



NOTE:
THIS PLAN IS FOR LOCATING MONITORING WELLS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

LEGEND:

MW-1 - MONITORING WELL NUMBER & APPROX. LOCATION

MW-9D - ORIGINAL MONITORING WELL NUMBER & APPROX. LOCATION

NYS Education Law
Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

© SESI CONSULTING ENGINEERS D.P.C. 2020
This drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.

REFERENCE
SITE INFORMATION TAKEN FROM "FOUNDATION AND GARAGE FLOOR PLAN (B1)" PREPARED BY TADJER-COHEN-EDELSON ASSOC. INC.. DATED 08/05/19, LATEST REV. 05/01/2020.

SCALE: 1"=20'
0 20 40

dwg by: yy
chk by: JM
scale: AS NOTED
date: 08/26/2020

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

HUGUENOT PARTNERS, LLC
33 CENTRE AVENUE
SECTION NO.2, BLOCK NO. 437 LOTS 1, 3, AND 42
NEW ROCHELLE, NEW YORK

MONITORING WELL LOCATION PLAN

job no: 10567
drawing no:

FIG 1

N:\ACAD\10567\CADD\10567 WELL LOCATION PLAN.DWG 08/26/20 04:25:54PM, gas, LAYOUT:G-1

ATTACHMENT B

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	33 Center Ave, New Rochelle, NY			**Job Number:**	10567:4	**WELL I.D. : MW-202**			
Personnel:	Jack Norgard			**Date:**	September 9th, 2020	SESI CONSULTING ENGINEERS			
				PID:	N/A				

Stickup? Yes / Distance ground to Stickup PVC	Distance From Rim to PVC	Total Depth of PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
2.6	N/A	11.75	N/A	4.55	7.2	8.15	10		Peri

Turbidity at collection (NTU):	4	(Less than 5 NTU is desirable)		**Duplicate Collected? No**			**Filtered Sample**	No
Stabilization Parameters	+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	10:50	21.12	5.85	2430	1.81	6	720	4.55	N
	11:10	21.09	7.07	2090	0.43	-139	4.8	4.56	N
	11:15	21.13	7.13	2000	0.43	-150	3.3	4.56	N
	11:20	21.15	7.16	1940	0.43	-157	4	4.56	N

Well Condition Summary

Cover: N0	**Bolts: No**		**Concrete Pad OK: No**	**Gripper: Yes**	

Sample Collection Information

Sample Time:	11:30	**Appearance: Clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	Y / N	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	33 Center Ave, New Rochelle, NY			**Job Number:**	10567:4	**WELL I.D. : MW-203**			
Personnel:	Jack Norgard			**Date:**	September 9th, 2020	SESI CONSULTING ENGINEERS			
				PID:	N/A				

Stickup? Yes / Distance ground to Stickup PVC	Distance From Rim to PVC	Total Depth of PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
3.13	N/A	20.52	N/A	16.65	3.87	18.585	19		Peri

Turbidity at collection (NTU):	38.4	(Less than 5 NTU is desirable)		Duplicate Collected? No			Filtered Sample	No
Stabilization Parameters	+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	9:35	20.82	8.61	2480	4.39	75	183	16.65	N
	9:50	20.46	5.71	2510	6.82	146	35.1	19.31	N
	9:55	20.39	5.42	2640	6.64	170	41.6	19.35	N
	10:01	20.61	5.33	2650	6.91	187	40.9	19.37	N
	10:10	20.67	5.37	2670	6.83	186	40	19.4	N
	10:15	20.71	5.41	2670	6.89	185	40.3	19.42	N

Well Condition Summary

Cover: N0	**Bolts: No**		**Concrete Pad OK: No**	**Gripper: Yes**	

Sample Collection Information

Sample Time:	10:20	**Appearance: Clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	Y / N	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	33 Center Ave, New Rochelle, NY			**Job Number:**	10567:4	**WELL I.D. : MW-204**			
Personnel:	Jack Norgard			**Date:**	September 15th, 2020	SESI CONSULTING ENGINEERS			
				PID:	N/A				

Stickup? Yes / Distance ground to Stickup PVC	Distance From Rim to PVC	Total Depth of PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
3.4	N/A	25.18	N/A	4.8	20.38	14.99	24		Peri

Turbidity at collection (NTU):	10.8	(Less than 5 NTU is desirable)		Duplicate Collected? No		Filtered Sample	No

Stabilization Parameters	+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	10:25	18.13	6.5	3.5	1.33	-33	77	4.8	N
	10:55	17.95	6.44	3.74	0.62	-77	4.9	8.51	N
	11:00	17.96	6.45	3.72	0.43	-78	32.9	8.53	N
	11:05	17.98	6.45	3.7	0.36	-77	12	8.58	N
	11:10	17.96	6.45	3.74	0.34	-78	10.8	8.62	N

Well Condition Summary

Cover: No	**Bolts: No**		**Concrete Pad OK: No**	**Gripper: Yes**	

Sample Collection Information

Sample Time:	**11:15**	**Appearance: Clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	Y / N	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	33 Center Ave, New Rochelle, NY			**Job Number:**	10567:4	WELL I.D. : MW-205S			
Personnel:	Jack Norgard			**Date:**	September 17th, 2020	SESI CONSULTING ENGINEERS			
				PID:	N/A				
Stickup? Yes Distance ground to Stickup PVC	Distance From Rim to PVC	Total Depth of PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
1.9	N/A	23.48	N/A	14.31	9.17	18.895	21		Peri
Turbidity at collection (NTU):		1.5	(Less than 5 NTU is desirable)		Duplicate Collected? YES			Filtered Sample	No
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	9:40	19.87	7.54	2200	3.96	26	0	14.31	N
	10:05	19.61	7.58	1010	7	17	0	23.3	N
	10:10	19.58	7.6	1040	6.95	16	0	23.35	N
	10:15	19.55	7.62	1060	6.89	16	1.5	23.41	N

Well Condition Summary

Cover: No	Bolts: No		Concrete Pad OK: No	Gripper: Yes	

Sample Collection Information

Sample Time:	10:20	Appearance: Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	33 Center Ave, New Rochelle, NY			**Job Number:**	10567:4	**WELL I.D. : MW-205D**			
Personnel:	Jack Norgard			**Date:**	September 17th, 2020	SESI CONSULTING ENGINEERS			
				PID:	N/A				

Stickup? Yes / Distance ground to Stickup PVC	Distance From Rim to PVC	Total Depth of PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
3.58	N/A	30.1	N/A	15.3	14.8	22.7	28		Peri

Turbidity at collection (NTU):	22.2	(Less than 5 NTU is desirable)		Duplicate Collected? YES		Filtered Sample	No

Stabilization Parameters	+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	7:50	18.56	7.15	2150	3.38	-94	0	15.3	N
	8:25	17.18	6.81	2320	0.36	-120	70.7	16.02	N
	8:30	17.16	6.78	2360	0.4	-119	34.5	16.05	N
	8:35	17.15	6.76	2390	0.4	-118	22.2	16.08	N

Well Condition Summary

Cover: No	**Bolts: No**		**Concrete Pad OK: No**	**Gripper: Yes**	

Sample Collection Information

Sample Time:	8:45	**Appearance: Clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	Y / N	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	33 Center Ave, New Rochelle, NY			**Job Number:**	10567:4	**WELL I.D. : MW-207S**			
Personnel:	Jack Norgard			**Date:**	September 15th, 2020	SESI CONSULTING ENGINEERS			
				PID:	N/A				

Stickup? Yes / Distance ground to Stickup PVC	Distance From Rim to PVC	Total Depth of PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
3.2	N/A	35	N/A	4.32	30.68	19.66	33		Peri

Turbidity at collection (NTU):	55.3	(Less than 5 NTU is desirable)		Duplicate Collected? No		Filtered Sample	No

Stabilization Parameters	+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	13:00	19.5	11.86	4890	5.67	-340	0	4.32	N
	13:55	16.76	9.38	2390	0.78	-147	60.9	21	N
	14:00	16.78	9.41	2430	0.73	-150	63	21.06	N
	14:05	16.72	9.45	2410	0.7	-154	55.3	21.09	N

Well Condition Summary

Cover: No	**Bolts: No**		**Concrete Pad OK: No**	**Gripper: Yes**	

Sample Collection Information

Sample Time:	14:10	**Appearance: Clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	Y / N	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	33 Center Ave, New Rochelle, NY			**Job Number:**	10567:4	**WELL I.D. : MW-207D**			
Personnel:	Jack Norgard			**Date:**	September 15th, 2020	SESI CONSULTING ENGINEERS			
				PID:	N/A				
Stickup? Yes Distance ground to Stickup PVC	Distance From Rim to PVC	Total Depth of PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
3.92	N/A	54	N/A	7.42	46.58	30.71	50		Peri
Turbidity at collection (NTU):		5.7	(Less than 5 NTU is desirable)		**Duplicate Collected? No**			**Filtered Sample**	No
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	11:45	18.29	6.65	2.2	2.49	-71	142	7.42	N
	12:15	16.18	6.2	2.17	1.26	-6	12.7	10.08	N
	12:20	16.2	6.21	2.17	0.47	-7	9.7	10.2	N
	12:25	16.19	6.2	2.17	0.34	-9	9.1	10.22	N
	12:30	16.19	6.18	2.17	0.32	-9	7.3	10.23	N
	12:35	16.2	6.2	2.17	0.29	-10	5.7	10.23	N

Well Condition Summary

Cover: No	**Bolts: No**		**Concrete Pad OK: No**	**Gripper: Yes**	

Sample Collection Information

Sample Time:	12:40	**Appearance: Clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	Y / N	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	33 Center Ave, New Rochelle, NY	**Job Number:**	10567:4
Personnel:	Jack Norgard	**Date:**	September 16th, 2020
		PID:	N/A

WELL I.D. : MW-208S

SESI CONSULTING ENGINEERS

Stickup? Yes Distance ground to Stickup PVC	Distance From Rim to PVC	Total Depth of PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
1.9	N/A	35.22	N/A	15.82	19.4	25.52	33		Peri

Turbidity at collection (NTU):	16.3	(Less than 5 NTU is desirable)	**Duplicate Collected? YES**		**Filtered Sample**	No

Stabilization Parameters	+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	9:25	18.78	8.65	2760	2.29	-182	259	15.82	N
	9:45	18.27	6.66	3070	0.44	-98	16.8	16.24	N
	9:50	18.3	6.6	3070	0.42	-94	14.3	16.26	N
	9:55	18.32	6.56	3090	0.4	-92	16.3	16.28	N

Well Condition Summary

Cover: No	**Bolts: No**		**Concrete Pad OK: No**	**Gripper: Yes**	

Sample Collection Information

Sample Time:	10:00	**Appearance: Clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	Y / N	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	33 Center Ave, New Rochelle, NY			**Job Number:**	10567:4	**WELL I.D. : MW-208D**			
Personnel:	Jack Norgard			**Date:**	September 16th, 2020	SESI CONSULTING ENGINEERS			
				PID:	N/A				

Stickup? Yes / Distance ground to Stickup PVC	Distance From Rim to PVC	Total Depth of PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
3	N/A	53.9	N/A	17.71	36.19	35.805	50		Peri

Turbidity at collection (NTU):	42.3	(Less than 5 NTU is desirable)		Duplicate Collected? No		Filtered Sample	No

Stabilization Parameters	+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	7:55	13.75	8.83	6100	7.51	-195	54.6	17.71	N
	8:15	19.32	12.21	4850	0.96	-154	174	24.56	N
	8:20	19.13	12.22	4880	1	-151	92.3	24.59	N
	8:25	19.16	12.23	4900	0.98	-149	42.3	24.65	N

Well Condition Summary

Cover: No	**Bolts: No**		**Concrete Pad OK: No**	**Gripper: Yes**	

Sample Collection Information

Sample Time:	8:30	**Appearance: Clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	Y / N	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	33 Center Ave, New Rochelle, NY			**Job Number:**	10567:4	**WELL I.D. : MW-209S**			
Personnel:	Jack Norgard			**Date:**	September 12th, 2020	SESI CONSULTING ENGINEERS			
				PID:	N/A				

Stickup? Yes / Distance ground to Stickup PVC	Distance From Rim to PVC	Total Depth of PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
2.5	N/A	16.35	N/A	7.82	8.53	12.085	15		Peri

Turbidity at collection (NTU):	37.2	(Less than 5 NTU is desirable)		Duplicate Collected? No			Filtered Sample	No
Stabilization Parameters	+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	11:20	18.17	7.43	2460	2.63	-97	0	7.82	N
	11:40	18.85	9.43	1670	0.65	-253	105	11.54	N
	11:45	18.75	8.04	1750	0.34	-259	90	11.54	N
	11:50	18.75	7.99	1790	0.37	-245	38.1	11.55	N
	11:55	18.72	7.95	1810	0.38	-241	37.2	11.55	N

Well Condition Summary

Cover: No	**Bolts: No**		**Concrete Pad OK: No**	**Gripper: Yes**	

Sample Collection Information

Sample Time:	12:00	**Appearance: Clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	Y / N	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	33 Center Ave, New Rochelle, NY	**Job Number:**	10567:4
Personnel:	Jack Norgard	**Date:**	September 12th, 2020
		PID:	N/A

WELL I.D. : MW-209D

SESI CONSULTING ENGINEERS

Stickup? Yes Distance ground to Stickup PVC	Distance From Rim to PVC	Total Depth of PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
3	N/A	33	N/A	5.62	27.38	19.31	31		Peri

Turbidity at collection (NTU):	102	(Less than 5 NTU is desirable)	**Duplicate Collected? No**	**Filtered Sample**	No

Stabilization Parameters	+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	10:25	16.61	6.31	2080	1.97	-66	76.6	5.62	N
	10:45	16.54	6.48	1920	2.49	-12	126	21.04	N
	10:50	16.4	6.4	1900	2.02	-19	131	22.16	N
	10:55	16.35	6.38	1890	1.69	-23	132	22.22	N
	11:00	16.37	6.37	1890	1.59	-24	137	22.28	N
	11:05	16.4	6.37	1890	1.56	-24	130	22.38	N

Well Condition Summary

Cover: No	**Bolts: No**		**Concrete Pad OK: No**	**Gripper: Yes**	

Sample Collection Information

Sample Time:	11:10	**Appearance: Clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	Y / N	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	33 Center Ave, New Rochelle, NY			**Job Number:**	10567:4	**WELL I.D. : MW-210S**			
Personnel:	Jack Norgard			**Date:**	September 15th, 2020	SESI CONSULTING ENGINEERS			
				PID:	N/A				
Stickup? Yes / **Distance ground to Stickup PVC**	**Distance From Rim to PVC**	**Total Depth of PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
2.45	N/A	21.3	N/A	4.25	17.05	12.775	20		Peri
Turbidity at collection (NTU):		30.1	(Less than 5 NTU is desirable)		**Duplicate Collected? No**			**Filtered Sample**	No
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	17:15	20.56	7.14	2030	1.21	-71	51	4.25	N
	17:35	20.13	7.56	1960	7.8	-87	34.1	9.8	N
	17:40	20.2	7.6	1940	7.81	-85	33.2	9.82	N
	17:45	20.15	7.66	1960	7.8	-84	30.1	9.83	N

Well Condition Summary

Cover: No	**Bolts: No**		**Concrete Pad OK: No**	**Gripper: Yes**	

Sample Collection Information

Sample Time:	17:50	**Appearance: Clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	Y / N	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	33 Center Ave, New Rochelle, NY	**Job Number:**	10567:4
Personnel:	Jack Norgard	**Date:**	September 15th, 2020
		PID:	N/A

WELL I.D. : MW-210I

SESI CONSULTING ENGINEERS

Stickup? Yes Distance ground to Stickup PVC	Distance From Rim to PVC	Total Depth of PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
3	N/A	40.65	N/A	7.33	33.32	23.99	39		Peri

Turbidity at collection (NTU):	32.3	(Less than 5 NTU is desirable)	Duplicate Collected? No	Filtered Sample	No

Stabilization Parameters	+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	16:25	19.3	6.9	2360	1.19	-97	31.3	7.33	N
	16:50	16.43	6.79	2280	4.01	-86	36.5	13.96	N
	16:55	16.45	6.77	2260	3.49	-85	38.3	14	N
	17:00	16.42	6.73	2300	3.56	-82	39.9	14.1	N
	17:05	16.39	6.68	2310	3.6	-79	32.3	14.16	N

Well Condition Summary

Cover: No	**Bolts: No**		**Concrete Pad OK: No**	**Gripper: Yes**		

Sample Collection Information

Sample Time:	17:10	**Appearance: Clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	Y / N	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	33 Center Ave, New Rochelle, NY		**Job Number:**	10567:4	**WELL I.D. : MW-210D**
Personnel:	Jack Norgard		**Date:**	September 15th, 2020	SESI CONSULTING ENGINEERS
			PID:	N/A	

Stickup? Yes Distance ground to Stickup PVC	Distance From Rim to PVC	Total Depth of PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
3.25	N/A	52.5	N/A	7.77	44.73	30.135	50		Peri

Turbidity at collection (NTU):	4.7	(Less than 5 NTU is desirable)	Duplicate Collected? No		Filtered Sample No

Stabilization Parameters	+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	14:55	19.62	7.79	2110	3.01	-140	66.2	7.77	N
	15:40	18.35	6.5	2190	1.28	-104	30.1	8.91	N
	15:45	18.33	6.53	2180	1.23	-88	16.1	8.95	N
	15:50	16.43	6.51	2150	0.48	-96	5.2	8.99	N
	15:55	16.38	6.51	2150	0.44	-100	4.7	9.04	N
	16:00	16.36	6.51	2150	0.43	-102	4.7	9.09	N

Well Condition Summary

Cover: No	**Bolts: No**		**Concrete Pad OK: No**	**Gripper: Yes**	

Sample Collection Information

Sample Time:	**16:00**	**Appearance: Clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	Y / N	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		Y / N		
Sock Depth (Depth to sock mid point):							

ATTACHMENT C

JOB: L2037216 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1040: Metals Matrix Spike Report - OK
1050: Metals Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK

No results found for sample L2037216-01 for product A2-14-DIOXANESIM-PPB
No results found for sample L2037216-01 for product A2-NY-537-ISOTOPE
No results found for sample L2037216-02 for product A2-14-DIOXANESIM-PPB
No results found for sample L2037216-02 for product A2-NY-537-ISOTOPE
No results found for sample L2037216-04 for product A2-NY-537-ISOTOPE

ANALYTICAL REPORT

Lab Number:	L2037216
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	33 CENTRE AVE
Project Number:	10567
Report Date:	09/10/20

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

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

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037216
Report Date: 09/10/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2037216-01	MW-202	WATER	NEW ROCHELLE, NY	09/09/20 11:30	09/09/20
L2037216-02	MW-203	WATER	NEW ROCHELLE, NY	09/09/20 10:20	09/09/20
L2037216-03	TRIP BLANK	TRIP BLANK (AQUEOUS)	NEW ROCHELLE, NY	09/09/20 00:00	09/09/20
L2037216-04	PFAS FIELD BLANK	FIELD BLANK	NEW ROCHELLE, NY	09/09/20 10:40	09/09/20
L2037216-05	VOC FIELD BLANK	FIELD BLANK	NEW ROCHELLE, NY	09/09/20 10:30	09/09/20

Project Name:	33 CENTRE AVE	**Lab Number:**	L2037216
Project Number:	10567	**Report Date:**	09/10/20

Case Narrative

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

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

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

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

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

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

Project Name:	33 CENTRE AVE	**Lab Number:**	L2037216
Project Number:	10567	**Report Date:**	09/10/20

Case Narrative (continued)

Report Submission

September 10, 2020: This is a preliminary report.

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

Sample Receipt

L2037216-01 and -02: Sample containers for the analysis of 1,4 Dioxane via EPA 8270D-SIM were received for the "MW-202" and "MW-203" samples, but were not listed on the chain of custody. At the client's request, the analysis was performed.

Total Metals

The WG1408214-3 MS recovery for sodium (20%), performed on L2037216-01, does not apply because the sample concentration is greater than four times the spike amount added.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 09/10/20

ORGANICS

VOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2037216-01
Client ID: MW-202
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/09/20 11:30
Date Received: 09/09/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/10/20 10:38
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.44	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	4.3		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2037216-01
Client ID: MW-202
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/09/20 11:30
Date Received: 09/09/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.24	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	14		ug/l	2.5	0.70	1
o-Xylene	8.1		ug/l	2.5	0.70	1
Xylenes, Total	22		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	15		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	47		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2037216-01
Client ID: MW-202
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/09/20 11:30
Date Received: 09/09/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
Total TIC Compounds	1.37	J	ug/l			1
Unknown	1.37	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2037216-02 D
Client ID: MW-203
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/09/20 10:20
Date Received: 09/09/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/10/20 10:48
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	ND		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	ND		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
1,3-Dichloropropene, Total	ND		ug/l	10	2.9	20
1,1-Dichloropropene	ND		ug/l	50	14.	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	ND		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	ND		ug/l	10	3.4	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2037216-02 D
Client ID: MW-203
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/09/20 10:20
Date Received: 09/09/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
Xylenes, Total	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	ND		ug/l	50	14.	20
1,2-Dichloroethene, Total	ND		ug/l	50	14.	20
Dibromomethane	ND		ug/l	100	20.	20
1,2,3-Trichloropropane	ND		ug/l	50	14.	20
Acrylonitrile	ND		ug/l	100	30.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	330		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	2400		ug/l	100	39.	20
Vinyl acetate	ND		ug/l	100	20.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
2,2-Dichloropropane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,3-Dichloropropane	ND		ug/l	50	14.	20
1,1,1,2-Tetrachloroethane	ND		ug/l	50	14.	20
Bromobenzene	ND		ug/l	50	14.	20
n-Butylbenzene	ND		ug/l	50	14.	20
sec-Butylbenzene	ND		ug/l	50	14.	20
tert-Butylbenzene	ND		ug/l	50	14.	20
o-Chlorotoluene	ND		ug/l	50	14.	20
p-Chlorotoluene	ND		ug/l	50	14.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Hexachlorobutadiene	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
p-Isopropyltoluene	ND		ug/l	50	14.	20
Naphthalene	ND		ug/l	50	14.	20

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2037216-02 D
Client ID: MW-203
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/09/20 10:20
Date Received: 09/09/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
1,3,5-Trimethylbenzene	ND		ug/l	50	14.	20
1,2,4-Trimethylbenzene	ND		ug/l	50	14.	20
1,4-Dioxane	ND		ug/l	5000	1200	20
p-Diethylbenzene	ND		ug/l	40	14.	20
p-Ethyltoluene	ND		ug/l	40	14.	20
1,2,4,5-Tetramethylbenzene	ND		ug/l	40	11.	20
Ethyl ether	ND		ug/l	50	14.	20
trans-1,4-Dichloro-2-butene	ND		ug/l	50	14.	20
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2037216-03
Client ID: TRIP BLANK
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/09/20 00:00
Date Received: 09/09/20
Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260C
Analytical Date: 09/10/20 09:57
Analyst: NLK

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

Project Name: 33 CENTRE AVE
Lab Number: L2037216
Project Number: 10567
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2037216-03
Client ID: TRIP BLANK
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/09/20 00:00
Date Received: 09/09/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2037216-03
Client ID: TRIP BLANK
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/09/20 00:00
Date Received: 09/09/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

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

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2037216-05
Client ID: VOC FIELD BLANK
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/09/20 10:30
Date Received: 09/09/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8260C
Analytical Date: 09/10/20 10:22
Analyst: NLK

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

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2037216-05
Client ID: VOC FIELD BLANK
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/09/20 10:30
Date Received: 09/09/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2037216-05
Client ID: VOC FIELD BLANK
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/09/20 10:30
Date Received: 09/09/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

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

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/10/20 09:32
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05 Batch: WG1408405-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/10/20 09:32
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05 Batch: WG1408405-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	3.2	J	ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/10/20 09:32
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05 Batch: WG1408405-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/10/20 09:32
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05 Batch: WG1408405-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/10/20 10:14
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1408406-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/10/20 10:14
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1408406-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	2.1	J	ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/10/20 10:14
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1408406-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/10/20 10:14
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1408406-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2037216

Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG1408405-3 WG1408405-4								
Methylene chloride	100		95		70-130	5		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	110		97		70-130	13		20
Carbon tetrachloride	87		76		63-132	13		20
1,2-Dichloropropane	110		99		70-130	11		20
Dibromochloromethane	99		91		63-130	8		20
1,1,2-Trichloroethane	96		88		70-130	9		20
Tetrachloroethene	93		81		70-130	14		20
Chlorobenzene	110		96		75-130	14		20
Trichlorofluoromethane	76		67		62-150	13		20
1,2-Dichloroethane	110		100		70-130	10		20
1,1,1-Trichloroethane	98		86		67-130	13		20
Bromodichloromethane	110		99		67-130	11		20
trans-1,3-Dichloropropene	110		98		70-130	12		20
cis-1,3-Dichloropropene	110		100		70-130	10		20
1,1-Dichloropropene	95		85		70-130	11		20
Bromoform	94		89		54-136	5		20
1,1,2,2-Tetrachloroethane	90		86		67-130	5		20
Benzene	110		98		70-130	12		20
Toluene	110		93		70-130	17		20
Ethylbenzene	100		90		70-130	11		20
Chloromethane	110		91		64-130	19		20
Bromomethane	73		62		39-139	16		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2037216

Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG1408405-3 WG1408405-4								
Vinyl chloride	86		79		55-140	8		20
Chloroethane	100		94		55-138	6		20
1,1-Dichloroethene	88		77		61-145	13		20
trans-1,2-Dichloroethene	100		92		70-130	8		20
Trichloroethene	100		90		70-130	11		20
1,2-Dichlorobenzene	100		96		70-130	4		20
1,3-Dichlorobenzene	110		97		70-130	13		20
1,4-Dichlorobenzene	100		97		70-130	3		20
Methyl tert butyl ether	100		98		63-130	2		20
p/m-Xylene	105		90		70-130	15		20
o-Xylene	105		95		70-130	10		20
cis-1,2-Dichloroethene	110		98		70-130	12		20
Dibromomethane	100		92		70-130	8		20
1,2,3-Trichloropropane	93		90		64-130	3		20
Acrylonitrile	100		95		70-130	5		20
Styrene	110		95		70-130	15		20
Dichlorodifluoromethane	64		60		36-147	6		20
Acetone	140		120		58-148	15		20
Carbon disulfide	94		83		51-130	12		20
2-Butanone	120		110		63-138	9		20
Vinyl acetate	110		99		70-130	11		20
4-Methyl-2-pentanone	92		84		59-130	9		20
2-Hexanone	100		94		57-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2037216

Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG1408405-3 WG1408405-4								
Bromochloromethane	110		100		70-130	10		20
2,2-Dichloropropane	120		100		63-133	18		20
1,2-Dibromoethane	97		88		70-130	10		20
1,3-Dichloropropane	100		95		70-130	5		20
1,1,1,2-Tetrachloroethane	100		95		64-130	5		20
Bromobenzene	100		97		70-130	3		20
n-Butylbenzene	91		77		53-136	17		20
sec-Butylbenzene	86		75		70-130	14		20
tert-Butylbenzene	92		80		70-130	14		20
o-Chlorotoluene	100		92		70-130	8		20
p-Chlorotoluene	100		96		70-130	4		20
1,2-Dibromo-3-chloropropane	85		82		41-144	4		20
Hexachlorobutadiene	81		67		63-130	19		20
Isopropylbenzene	93		83		70-130	11		20
p-Isopropyltoluene	94		80		70-130	16		20
Naphthalene	86		90		70-130	5		20
n-Propylbenzene	96		84		69-130	13		20
1,2,3-Trichlorobenzene	94		93		70-130	1		20
1,2,4-Trichlorobenzene	97		94		70-130	3		20
1,3,5-Trimethylbenzene	100		88		64-130	13		20
1,2,4-Trimethylbenzene	100		93		70-130	7		20
1,4-Dioxane	108		114		56-162	5		20
p-Diethylbenzene	94		82		70-130	14		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2037216

Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG1408405-3 WG1408405-4								
p-Ethyltoluene	98		88		70-130	11		20
1,2,4,5-Tetramethylbenzene	100		91		70-130	9		20
Ethyl ether	110		96		59-134	14		20
trans-1,4-Dichloro-2-butene	92		90		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		103		70-130
Toluene-d8	99		97		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	100		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037216
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1408406-3 WG1408406-4								
Methylene chloride	100		95		70-130	5		20
1,1-Dichloroethane	100		93		70-130	7		20
Chloroform	99		93		70-130	6		20
Carbon tetrachloride	98		89		63-132	10		20
1,2-Dichloropropane	98		89		70-130	10		20
Dibromochloromethane	94		90		63-130	4		20
1,1,2-Trichloroethane	92		89		70-130	3		20
Tetrachloroethene	120		110		70-130	9		20
Chlorobenzene	110		99		75-130	11		20
Trichlorofluoromethane	110		100		62-150	10		20
1,2-Dichloroethane	96		91		70-130	5		20
1,1,1-Trichloroethane	100		94		67-130	6		20
Bromodichloromethane	93		85		67-130	9		20
trans-1,3-Dichloropropene	87		82		70-130	6		20
cis-1,3-Dichloropropene	90		83		70-130	8		20
1,1-Dichloropropene	99		91		70-130	8		20
Bromoform	84		78		54-136	7		20
1,1,2,2-Tetrachloroethane	85		82		67-130	4		20
Benzene	100		94		70-130	6		20
Toluene	100		96		70-130	4		20
Ethylbenzene	100		96		70-130	4		20
Chloromethane	87		82		64-130	6		20
Bromomethane	75		63		39-139	17		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037216
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1408406-3 WG1408406-4								
Vinyl chloride	100		93		55-140	7		20
Chloroethane	130		110		55-138	17		20
1,1-Dichloroethene	100		92		61-145	8		20
trans-1,2-Dichloroethene	110		97		70-130	13		20
Trichloroethene	97		89		70-130	9		20
1,2-Dichlorobenzene	100		99		70-130	1		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	89		85		63-130	5		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	110		98		70-130	12		20
Dibromomethane	96		91		70-130	5		20
1,2,3-Trichloropropane	88		85		64-130	3		20
Acrylonitrile	84		81		70-130	4		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	100		94		36-147	6		20
Acetone	100		100		58-148	0		20
Carbon disulfide	92		83		51-130	10		20
2-Butanone	92		87		63-138	6		20
Vinyl acetate	84		81		70-130	4		20
4-Methyl-2-pentanone	75		72		59-130	4		20
2-Hexanone	71		72		57-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2037216

Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1408406-3 WG1408406-4								
Bromochloromethane	110		100		70-130	10		20
2,2-Dichloropropane	100		90		63-133	11		20
1,2-Dibromoethane	96		94		70-130	2		20
1,3-Dichloropropane	100		97		70-130	3		20
1,1,1,2-Tetrachloroethane	100		94		64-130	6		20
Bromobenzene	110		99		70-130	11		20
n-Butylbenzene	96		91		53-136	5		20
sec-Butylbenzene	98		93		70-130	5		20
tert-Butylbenzene	100		96		70-130	4		20
o-Chlorotoluene	100		95		70-130	5		20
p-Chlorotoluene	99		94		70-130	5		20
1,2-Dibromo-3-chloropropane	75		74		41-144	1		20
Hexachlorobutadiene	100		96		63-130	4		20
Isopropylbenzene	100		94		70-130	6		20
p-Isopropyltoluene	100		96		70-130	4		20
Naphthalene	78		76		70-130	3		20
n-Propylbenzene	100		92		69-130	8		20
1,2,3-Trichlorobenzene	85		86		70-130	1		20
1,2,4-Trichlorobenzene	96		93		70-130	3		20
1,3,5-Trimethylbenzene	100		95		64-130	5		20
1,2,4-Trimethylbenzene	100		94		70-130	6		20
1,4-Dioxane	110		104		56-162	6		20
p-Diethylbenzene	99		94		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2037216

Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1408406-3 WG1408406-4								
p-Ethyltoluene	100		95		70-130	5		20
1,2,4,5-Tetramethylbenzene	94		90		70-130	4		20
Ethyl ether	100		98		59-134	2		20
trans-1,4-Dichloro-2-butene	74		**61**	Q	70-130	19		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	91		91		70-130
Dibromofluoromethane	101		102		70-130

METALS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2037216-01
Client ID: MW-202
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/09/20 11:30
Date Received: 09/09/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.236		mg/l	0.0100	0.00327	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00079		mg/l	0.00050	0.00016	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Barium, Total	0.1293		mg/l	0.00050	0.00017	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Calcium, Total	85.9		mg/l	0.100	0.0394	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Chromium, Total	0.00065	J	mg/l	0.00100	0.00017	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00118		mg/l	0.00050	0.00016	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Copper, Total	0.00051	J	mg/l	0.00100	0.00038	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Iron, Total	4.44		mg/l	0.0500	0.0191	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Magnesium, Total	23.0		mg/l	0.0700	0.0242	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Manganese, Total	0.6885		mg/l	0.00100	0.00044	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/10/20 07:40	09/10/20 10:20	EPA 7470A	1,7470A	EW
Nickel, Total	0.00272		mg/l	0.00200	0.00055	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Potassium, Total	31.4		mg/l	0.100	0.0309	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Sodium, Total	280.		mg/l	0.100	0.0293	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Thallium, Total	0.00016	J	mg/l	0.00050	0.00014	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM
Zinc, Total	0.2406		mg/l	0.01000	0.00341	1	09/10/20 07:23	09/10/20 11:12	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2037216-02
Client ID: MW-203
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/09/20 10:20
Date Received: 09/09/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.671		mg/l	0.100	0.0327	10	09/10/20 07:23	09/10/20 11:32	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00081		mg/l	0.00050	0.00016	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Barium, Total	0.2510		mg/l	0.00050	0.00017	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00121		mg/l	0.00050	0.00010	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00013	J	mg/l	0.00020	0.00005	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Calcium, Total	228.		mg/l	0.100	0.0394	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Chromium, Total	0.00096	J	mg/l	0.00100	0.00017	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00773		mg/l	0.00050	0.00016	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Copper, Total	0.03099		mg/l	0.00100	0.00038	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Iron, Total	11.0		mg/l	0.0500	0.0191	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Lead, Total	0.00125		mg/l	0.00100	0.00034	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Magnesium, Total	75.8		mg/l	0.0700	0.0242	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Manganese, Total	3.863		mg/l	0.00100	0.00044	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/10/20 07:40	09/10/20 10:14	EPA 7470A	1,7470A	EW
Nickel, Total	0.04938		mg/l	0.00200	0.00055	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Potassium, Total	20.4		mg/l	0.100	0.0309	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Sodium, Total	189.		mg/l	0.100	0.0293	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Thallium, Total	0.00020	J	mg/l	0.00050	0.00014	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM
Zinc, Total	0.02262		mg/l	0.01000	0.00341	1	09/10/20 07:23	09/10/20 11:17	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1408214-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	09/10/20 07:23	09/10/20 10:48	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1408216-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/10/20 07:40	09/10/20 10:06	1,7470A	EW

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037216
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2037216

Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1408214-2								
Aluminum, Total	98		-		80-120	-		
Antimony, Total	104		-		80-120	-		
Arsenic, Total	105		-		80-120	-		
Barium, Total	101		-		80-120	-		
Beryllium, Total	100		-		80-120	-		
Cadmium, Total	106		-		80-120	-		
Calcium, Total	83		-		80-120	-		
Chromium, Total	93		-		80-120	-		
Cobalt, Total	97		-		80-120	-		
Copper, Total	99		-		80-120	-		
Iron, Total	94		-		80-120	-		
Lead, Total	105		-		80-120	-		
Magnesium, Total	102		-		80-120	-		
Manganese, Total	94		-		80-120	-		
Nickel, Total	94		-		80-120	-		
Potassium, Total	99		-		80-120	-		
Selenium, Total	101		-		80-120	-		
Silver, Total	103		-		80-120	-		
Sodium, Total	94		-		80-120	-		
Thallium, Total	101		-		80-120	-		
Vanadium, Total	92		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2037216

Report Date: 09/10/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1408214-2					
Zinc, Total	104	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1408216-2					
Mercury, Total	114	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037216
Report Date: 09/10/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1408214-3 QC Sample: L2037216-01 Client ID: MW-202												
Aluminum, Total	0.236	2	2.25	101		-	-		75-125	-		20
Antimony, Total	ND	0.5	0.5377	108		-	-		75-125	-		20
Arsenic, Total	0.00079	0.12	0.1265	105		-	-		75-125	-		20
Barium, Total	0.1293	2	2.173	102		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.05240	105		-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.05535	108		-	-		75-125	-		20
Calcium, Total	85.9	10	96.2	103		-	-		75-125	-		20
Chromium, Total	0.00065J	0.2	0.1893	95		-	-		75-125	-		20
Cobalt, Total	0.00118	0.5	0.4922	98		-	-		75-125	-		20
Copper, Total	0.00051J	0.25	0.2472	99		-	-		75-125	-		20
Iron, Total	4.44	1	5.57	113		-	-		75-125	-		20
Lead, Total	ND	0.51	0.5426	106		-	-		75-125	-		20
Magnesium, Total	23.0	10	33.3	103		-	-		75-125	-		20
Manganese, Total	0.6885	0.5	1.201	102		-	-		75-125	-		20
Nickel, Total	0.00272	0.5	0.4801	95		-	-		75-125	-		20
Potassium, Total	31.4	10	41.8	104		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.120	100		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05204	104		-	-		75-125	-		20
Sodium, Total	280.	10	282	**20**	Q	-	-		75-125	-		20
Thallium, Total	0.00016J	0.12	0.1238	103		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.4725	94		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037216
Report Date: 09/10/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1408214-3 QC Sample: L2037216-01 Client ID: MW-202									
Zinc, Total	0.2406	0.5	0.8017	112	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1408216-3 QC Sample: L2037216-02 Client ID: MW-203									
Mercury, Total	ND	0.005	0.00530	106	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037216
Report Date: 09/10/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1408214-4 QC Sample: L2037216-01 Client ID: MW-202						
Aluminum, Total	0.236	0.265	mg/l	12		20
Antimony, Total	ND	0.00053J	mg/l	NC		20
Arsenic, Total	0.00079	0.00079	mg/l	0		20
Barium, Total	0.1293	0.1262	mg/l	2		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Calcium, Total	85.9	84.1	mg/l	2		20
Chromium, Total	0.00065J	0.00069J	mg/l	NC		20
Cobalt, Total	0.00118	0.00118	mg/l	0		20
Copper, Total	0.00051J	0.00052J	mg/l	NC		20
Iron, Total	4.44	4.35	mg/l	2		20
Lead, Total	ND	ND	mg/l	NC		20
Magnesium, Total	23.0	22.2	mg/l	4		20
Manganese, Total	0.6885	0.6702	mg/l	3		20
Nickel, Total	0.00272	0.00267	mg/l	2		20
Potassium, Total	31.4	30.4	mg/l	3		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	280.	269	mg/l	4		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037216
Report Date: 09/10/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1408214-4 QC Sample: L2037216-01 Client ID: MW-202					
Thallium, Total	0.00016J	0.00043J	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.2406	0.2344	mg/l	3	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1408216-4 QC Sample: L2037216-02 Client ID: MW-203					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037216
Report Date: 09/10/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2037216-01A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2037216-01B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2037216-01C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2037216-01D	Plastic 250ml unpreserved	A	NA		4.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2037216-01E	Plastic 250ml unpreserved	A	NA		4.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2037216-01F	Plastic 250ml HNO3 preserved	A	<2	<2	4.3	Y	Absent		FE-6020T(180),TL-6020T(180),BA-6020T(180),SE-6020T(180),K-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),HG-T(28),AL-6020T(180),MG-6020T(180),CD-6020T(180),AG-6020T(180),CO-6020T(180)
L2037216-01G	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L2037216-01H	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L2037216-02A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2037216-02B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2037216-02C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2037216-02D	Plastic 250ml unpreserved	A	NA		4.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2037216-02E	Plastic 250ml unpreserved	A	NA		4.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2037216-02F	Plastic 250ml HNO3 preserved	A	<2	<2	4.3	Y	Absent		SE-6020T(180),BA-6020T(180),FE-6020T(180),TL-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),AG-6020T(180),CO-6020T(180)
L2037216-02G	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-14-DIOXANESIM-PPB(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037216
Report Date: 09/10/20

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L2037216-02H	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L2037216-03A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2037216-03B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2037216-04A	Plastic 250ml unpreserved	A	NA		4.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2037216-05A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2037216-05B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2037216-05C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	33 CENTRE AVE	**Lab Number:**	L2037216
Project Number:	10567	**Report Date:**	09/10/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L2037216
Project Number:	10567	**Report Date:**	09/10/20

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L2037216
Project Number:	10567	**Report Date:**	09/10/20

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	33 CENTRE AVE	**Lab Number:**	L2037216
Project Number:	10567	**Report Date:**	09/10/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 9/09/20

ALPHA Job #: L2037216

Client Information
Client: SESI
Address: 12a Maple Ave
Phone: 973-808-9050
Fax:
Email: JAM@SESI.ORG

Project Information
Project Name: 33 Center Ave
Project Location: New Rochelle
Project #: 105674
(Use Project name as Project #) ☐
Project Manager: Jesse Mansmer
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ 24 Hr # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other Cat B

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☒ NY TOGS ☐ NY Part 375
☒ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
24 hr except PFAs

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL & Hg	PFAAs	TCL VOCs	Sample Specific Comments	Total Bottle
37216-01	MW-202	9-9-2020	11:30	GW	JRN	X	X	X		
-02	MW-203		10:20	GW		X	X	X		
-03	Trip Blank		—					X		
-04	PFAS Field Blank		10:40				X			
-05	VOC Field Blank		10:30					X		

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
John Nogard	9-9-2020 12:30		9.9.20 12:30
	9.9.20 14:00		9/9/20 1645
	9/9/20 2315		9/9/20 2215

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2037961
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	33 CENTRE AVE
Project Number:	10567
Report Date:	09/21/20

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

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

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

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037961
Report Date: 09/21/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2037961-01	MW-206	WATER	NEW ROCHELLE, NY	09/11/20 16:00	09/11/20

Project Name:	33 CENTRE AVE	**Lab Number:**	L2037961
Project Number:	10567	**Report Date:**	09/21/20

Case Narrative

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

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

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

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

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

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

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

Case Narrative (continued)

Report Submission

September 21, 2020: This final report includes the results of all requested analyses.

September 16, 2020: This is a preliminary report.

September 14, 2020: This is a preliminary report.

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

Perfluorinated Alkyl Acids by Isotope Dilution

L2037961-01: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

Total Metals

The WG1409486-3 MS recoveries, performed on L2037961-01, are outside the acceptance criteria for calcium (144%) and iron (69%). A post digestion spike was performed and was within acceptance criteria.

The WG1409486-3 MS recovery for sodium (0%), performed on L2037961-01, does not apply because the sample concentration is greater than four times the spike amount added.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 09/21/20

ORGANICS

VOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

SAMPLE RESULTS

Lab ID: L2037961-01
Client ID: MW-206
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/20 16:00
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/12/20 19:40
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	2.3	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.39	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	500	E	ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	8.4		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

SAMPLE RESULTS

Lab ID: L2037961-01
Client ID: MW-206
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/20 16:00
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	9.2		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	70		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	46		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

SAMPLE RESULTS

Lab ID: L2037961-01
Client ID: MW-206
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/20 16:00
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	109		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

SAMPLE RESULTS

Lab ID: L2037961-01 D
Client ID: MW-206
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/20 16:00
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/14/20 09:50
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1,1-Trichloroethane	540		ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	112		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/12/20 13:10
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1409564-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/12/20 13:10
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1409564-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	3.3	J	ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	2.0	J	ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/12/20 13:10
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1409564-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds		
No Tentatively Identified Compounds	ND	ug/l

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/12/20 13:10
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1409564-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/14/20 09:28
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1409592-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/14/20 09:28
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1409592-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/14/20 09:28
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1409592-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037961
Report Date: 09/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1409564-3 WG1409564-4								
Methylene chloride	80		86		70-130	7		20
1,1-Dichloroethane	86		92		70-130	7		20
Chloroform	85		92		70-130	8		20
Carbon tetrachloride	90		96		63-132	6		20
1,2-Dichloropropane	85		93		70-130	9		20
Dibromochloromethane	79		85		63-130	7		20
1,1,2-Trichloroethane	83		90		70-130	8		20
Tetrachloroethene	83		86		70-130	4		20
Chlorobenzene	86		95		75-130	10		20
Trichlorofluoromethane	93		98		62-150	5		20
1,2-Dichloroethane	82		87		70-130	6		20
1,1,1-Trichloroethane	84		88		67-130	5		20
Bromodichloromethane	82		90		67-130	9		20
trans-1,3-Dichloropropene	81		87		70-130	7		20
cis-1,3-Dichloropropene	79		86		70-130	8		20
1,1-Dichloropropene	88		92		70-130	4		20
Bromoform	78		82		54-136	5		20
1,1,2,2-Tetrachloroethane	77		84		67-130	9		20
Benzene	89		95		70-130	7		20
Toluene	85		90		70-130	6		20
Ethylbenzene	85		90		70-130	6		20
Chloromethane	100		100		64-130	0		20
Bromomethane	110		110		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2037961

Report Date: 09/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1409564-3 WG1409564-4								
Vinyl chloride	99		100		55-140	1		20
Chloroethane	95		99		55-138	4		20
1,1-Dichloroethene	86		95		61-145	10		20
trans-1,2-Dichloroethene	89		93		70-130	4		20
Trichloroethene	86		93		70-130	8		20
1,2-Dichlorobenzene	86		92		70-130	7		20
1,3-Dichlorobenzene	88		94		70-130	7		20
1,4-Dichlorobenzene	88		95		70-130	8		20
Methyl tert butyl ether	79		84		63-130	6		20
p/m-Xylene	85		90		70-130	6		20
o-Xylene	85		95		70-130	11		20
cis-1,2-Dichloroethene	88		96		70-130	9		20
Dibromomethane	82		90		70-130	9		20
1,2,3-Trichloropropane	80		86		64-130	7		20
Acrylonitrile	85		85		70-130	0		20
Styrene	90		95		70-130	5		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	81		80		58-148	1		20
Carbon disulfide	87		90		51-130	3		20
2-Butanone	90		97		63-138	7		20
Vinyl acetate	83		86		70-130	4		20
4-Methyl-2-pentanone	76		78		59-130	3		20
2-Hexanone	72		82		57-130	13		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2037961

Report Date: 09/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1409564-3 WG1409564-4								
Bromochloromethane	87		94		70-130	8		20
2,2-Dichloropropane	91		97		63-133	6		20
1,2-Dibromoethane	80		87		70-130	8		20
1,3-Dichloropropane	84		90		70-130	7		20
1,1,1,2-Tetrachloroethane	83		92		64-130	10		20
Bromobenzene	83		93		70-130	11		20
n-Butylbenzene	86		89		53-136	3		20
sec-Butylbenzene	87		93		70-130	7		20
tert-Butylbenzene	75		82		70-130	9		20
o-Chlorotoluene	84		90		70-130	7		20
p-Chlorotoluene	84		91		70-130	8		20
1,2-Dibromo-3-chloropropane	74		70		41-144	6		20
Hexachlorobutadiene	81		81		63-130	0		20
Isopropylbenzene	88		94		70-130	7		20
p-Isopropyltoluene	88		93		70-130	6		20
Naphthalene	75		80		70-130	6		20
n-Propylbenzene	87		91		69-130	4		20
1,2,3-Trichlorobenzene	85		90		70-130	6		20
1,2,4-Trichlorobenzene	86		91		70-130	6		20
1,3,5-Trimethylbenzene	86		93		64-130	8		20
1,2,4-Trimethylbenzene	88		92		70-130	4		20
1,4-Dioxane	82		90		56-162	9		20
p-Diethylbenzene	84		88		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2037961

Report Date: 09/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1409564-3 WG1409564-4								
p-Ethyltoluene	87		93		70-130	7		20
1,2,4,5-Tetramethylbenzene	87		92		70-130	6		20
Ethyl ether	85		92		59-134	8		20
trans-1,4-Dichloro-2-butene	71		76		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		92		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	105		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2037961

Report Date: 09/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1409592-3 WG1409592-4								
Methylene chloride	98		89		70-130	10		20
1,1-Dichloroethane	110		96		70-130	14		20
Chloroform	100		89		70-130	12		20
Carbon tetrachloride	100		90		63-132	11		20
1,2-Dichloropropane	98		85		70-130	14		20
Dibromochloromethane	100		96		63-130	4		20
1,1,2-Trichloroethane	94		86		70-130	9		20
Tetrachloroethene	91		79		70-130	14		20
Chlorobenzene	100		89		75-130	12		20
Trichlorofluoromethane	110		94		62-150	16		20
1,2-Dichloroethane	97		86		70-130	12		20
1,1,1-Trichloroethane	100		89		67-130	12		20
Bromodichloromethane	97		84		67-130	14		20
trans-1,3-Dichloropropene	95		85		70-130	11		20
cis-1,3-Dichloropropene	94		85		70-130	10		20
1,1-Dichloropropene	96		82		70-130	16		20
Bromoform	100		94		54-136	6		20
1,1,2,2-Tetrachloroethane	95		90		67-130	5		20
Benzene	100		88		70-130	13		20
Toluene	100		89		70-130	12		20
Ethylbenzene	100		89		70-130	12		20
Chloromethane	120		98		64-130	20		20
Bromomethane	90		94		39-139	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037961
Report Date: 09/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1409592-3 WG1409592-4								
Vinyl chloride	100		91		55-140	9		20
Chloroethane	120		100		55-138	18		20
1,1-Dichloroethene	100		90		61-145	11		20
trans-1,2-Dichloroethene	100		84		70-130	17		20
Trichloroethene	100		90		70-130	11		20
1,2-Dichlorobenzene	100		94		70-130	6		20
1,3-Dichlorobenzene	110		92		70-130	18		20
1,4-Dichlorobenzene	100		91		70-130	9		20
Methyl tert butyl ether	90		84		63-130	7		20
p/m-Xylene	105		90		70-130	15		20
o-Xylene	105		95		70-130	10		20
cis-1,2-Dichloroethene	100		91		70-130	9		20
Dibromomethane	93		85		70-130	9		20
1,2,3-Trichloropropane	93		87		64-130	7		20
Acrylonitrile	90		82		70-130	9		20
Styrene	100		90		70-130	11		20
Dichlorodifluoromethane	130		100		36-147	**26**	Q	20
Acetone	80		69		58-148	15		20
Carbon disulfide	93		88		51-130	6		20
2-Butanone	72		67		63-138	7		20
Vinyl acetate	73		**69**	Q	70-130	6		20
4-Methyl-2-pentanone	92		84		59-130	9		20
2-Hexanone	72		74		57-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037961
Report Date: 09/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1409592-3 WG1409592-4								
Bromochloromethane	100		94		70-130	6		20
2,2-Dichloropropane	110		92		63-133	18		20
1,2-Dibromoethane	96		89		70-130	8		20
1,3-Dichloropropane	96		87		70-130	10		20
1,1,1,2-Tetrachloroethane	110		94		64-130	16		20
Bromobenzene	100		93		70-130	7		20
n-Butylbenzene	100		93		53-136	7		20
sec-Butylbenzene	110		92		70-130	18		20
tert-Butylbenzene	95		83		70-130	13		20
o-Chlorotoluene	110		92		70-130	18		20
p-Chlorotoluene	110		91		70-130	19		20
1,2-Dibromo-3-chloropropane	91		86		41-144	6		20
Hexachlorobutadiene	100		91		63-130	9		20
Isopropylbenzene	110		93		70-130	17		20
p-Isopropyltoluene	100		92		70-130	8		20
Naphthalene	92		83		70-130	10		20
n-Propylbenzene	110		92		69-130	18		20
1,2,3-Trichlorobenzene	92		84		70-130	9		20
1,2,4-Trichlorobenzene	97		85		70-130	13		20
1,3,5-Trimethylbenzene	110		94		64-130	16		20
1,2,4-Trimethylbenzene	110		93		70-130	17		20
1,4-Dioxane	104		86		56-162	19		20
p-Diethylbenzene	100		89		70-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2037961

Report Date: 09/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1409592-3 WG1409592-4								
p-Ethyltoluene	110		94		70-130	16		20
1,2,4,5-Tetramethylbenzene	100		90		70-130	11		20
Ethyl ether	92		86		59-134	7		20
trans-1,4-Dichloro-2-butene	89		85		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		94		70-130
Toluene-d8	98		95		70-130
4-Bromofluorobenzene	100		97		70-130
Dibromofluoromethane	105		103		70-130

SEMIVOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

SAMPLE RESULTS

Lab ID: L2037961-01
Client ID: MW-206
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/20 16:00
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/15/20 18:05
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/13/20 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	1250		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	40		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

SAMPLE RESULTS

Lab ID: L2037961-01
Client ID: MW-206
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/20 16:00
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/16/20 03:51
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/14/20 15:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	20.8		ng/l	1.82	0.370	1
Perfluoropentanoic Acid (PFPeA)	16.8		ng/l	1.82	0.360	1
Perfluorobutanesulfonic Acid (PFBS)	18.1		ng/l	1.82	0.216	1
Perfluorohexanoic Acid (PFHxA)	15.2		ng/l	1.82	0.298	1
Perfluoroheptanoic Acid (PFHpA)	10.1		ng/l	1.82	0.204	1
Perfluorohexanesulfonic Acid (PFHxS)	2.56		ng/l	1.82	0.341	1
Perfluorooctanoic Acid (PFOA)	20.4		ng/l	1.82	0.214	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	4.45		ng/l	1.82	1.21	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.53	J	ng/l	1.82	0.625	1
Perfluorononanoic Acid (PFNA)	2.60		ng/l	1.82	0.283	1
Perfluorooctanesulfonic Acid (PFOS)	88.1	F	ng/l	1.82	0.458	1
Perfluorodecanoic Acid (PFDA)	1.69	J	ng/l	1.82	0.276	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.82	1.10	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.82	0.588	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.82	0.236	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.82	0.890	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.82	0.527	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.82	0.730	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.82	0.338	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.82	0.297	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.82	0.225	1
PFOA/PFOS, Total	109		ng/l	1.82	0.214	1

Project Name: 33 CENTRE AVE
Lab Number: L2037961
Project Number: 10567
Report Date: 09/21/20

SAMPLE RESULTS

Lab ID: L2037961-01
Client ID: MW-206
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/11/20 16:00
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	90		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**254**	Q	1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**231**	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	88		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	86		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	31		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	93		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	76		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	65		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037961
Report Date: 09/21/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/15/20 17:06
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/13/20 09:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01 Batch: WG1409311-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	36		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/16/20 00:49
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/14/20 15:10

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1409604-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/16/20 00:49
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/14/20 15:10

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1409604-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	104		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	88		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	83		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	56		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	89		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	84		33-143

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2037961

Report Date: 09/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01 Batch: WG1409311-2 WG1409311-3								
1,4-Dioxane	124		123		40-140	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	41		45		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037961
Report Date: 09/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1409604-2 WG1409604-3								
Perfluorobutanoic Acid (PFBA)	107		95		67-148	12		30
Perfluoropentanoic Acid (PFPeA)	107		97		63-161	10		30
Perfluorobutanesulfonic Acid (PFBS)	104		97		65-157	7		30
Perfluorohexanoic Acid (PFHxA)	109		98		69-168	11		30
Perfluoroheptanoic Acid (PFHpA)	105		96		58-159	9		30
Perfluorohexanesulfonic Acid (PFHxS)	105		94		69-177	11		30
Perfluorooctanoic Acid (PFOA)	107		95		63-159	12		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	119		110		49-187	8		30
Perfluoroheptanesulfonic Acid (PFHpS)	101		100		61-179	1		30
Perfluorononanoic Acid (PFNA)	111		98		68-171	12		30
Perfluorooctanesulfonic Acid (PFOS)	105		107		52-151	2		30
Perfluorodecanoic Acid (PFDA)	105		94		63-171	11		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	119		106		56-173	12		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	98		108		60-166	10		30
Perfluoroundecanoic Acid (PFUnA)	107		93		60-153	14		30
Perfluorodecanesulfonic Acid (PFDS)	114		108		38-156	5		30
Perfluorooctanesulfonamide (FOSA)	110		95		46-170	15		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	117		112		45-170	4		30
Perfluorododecanoic Acid (PFDoA)	110		100		67-153	10		30
Perfluorotridecanoic Acid (PFTrDA)	122		110		48-158	10		30
Perfluorotetradecanoic Acid (PFTA)	112		96		59-182	15		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037961
Report Date: 09/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1409604-2 WG1409604-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		98		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	107		115		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		98		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		97		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		97		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		102		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		99		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	89		89		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89		97		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		92		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		96		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	77		81		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	83		76		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95		101		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	57		69		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	83		88		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		93		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78		88		33-143

METALS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

SAMPLE RESULTS

Lab ID: L2037961-01
Client ID: MW-206
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Water

Date Collected: 09/11/20 16:00
Date Received: 09/11/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	604.		ug/l	10.0	3.27	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Antimony, Total	1.034	J	ug/l	4.000	0.4290	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Arsenic, Total	0.5790		ug/l	0.5000	0.1650	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Barium, Total	49.60		ug/l	0.5000	0.1730	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		ug/l	0.5000	0.1070	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		ug/l	0.2000	0.0599	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Calcium, Total	38900		ug/l	100.	39.4	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Chromium, Total	6.083		ug/l	1.000	0.1780	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Cobalt, Total	1.750		ug/l	0.5000	0.1630	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Copper, Total	5.084		ug/l	1.000	0.3840	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Iron, Total	1960		ug/l	50.0	19.1	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Lead, Total	0.7085	J	ug/l	1.000	0.3430	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Magnesium, Total	14400		ug/l	70.0	24.2	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Manganese, Total	244.0		ug/l	1.000	0.4400	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Mercury, Total	ND		ug/l	0.2000	0.0915	1	09/14/20 08:11	09/14/20 12:02	EPA 7470A	1,7470A	EW
Nickel, Total	62.72		ug/l	2.000	0.5560	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Potassium, Total	9050		ug/l	100.	30.9	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Selenium, Total	ND		ug/l	5.00	1.73	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Silver, Total	ND		ug/l	0.4000	0.1630	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Sodium, Total	388000		ug/l	100.	29.3	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Thallium, Total	ND		ug/l	0.5000	0.1430	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Vanadium, Total	2.063	J	ug/l	5.000	1.570	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM
Zinc, Total	6.014	J	ug/l	10.00	3.410	1	09/14/20 07:30	09/14/20 11:46	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1409485-1										
Mercury, Total	ND		ug/l	0.2000	0.0915	1	09/14/20 08:11	09/14/20 11:58	1,7470A	EW

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1409486-1										
Aluminum, Total	ND		ug/l	10.0	3.27	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Antimony, Total	ND		ug/l	4.000	0.4290	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Arsenic, Total	ND		ug/l	0.5000	0.1650	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Barium, Total	ND		ug/l	0.5000	0.1730	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Beryllium, Total	ND		ug/l	0.5000	0.1070	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Cadmium, Total	ND		ug/l	0.2000	0.0599	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Calcium, Total	ND		ug/l	100	39.4	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Chromium, Total	ND		ug/l	1.000	0.1780	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Cobalt, Total	ND		ug/l	0.5000	0.1630	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Copper, Total	ND		ug/l	1.000	0.3840	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Iron, Total	ND		ug/l	50.0	19.1	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Lead, Total	ND		ug/l	1.000	0.3430	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Magnesium, Total	ND		ug/l	70.0	24.2	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Manganese, Total	ND		ug/l	1.000	0.4400	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Nickel, Total	ND		ug/l	2.000	0.5560	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Potassium, Total	ND		ug/l	100	30.9	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Selenium, Total	ND		ug/l	5.00	1.73	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Silver, Total	ND		ug/l	0.4000	0.1630	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Sodium, Total	ND		ug/l	100	29.3	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Thallium, Total	ND		ug/l	0.5000	0.1430	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Vanadium, Total	ND		ug/l	5.000	1.570	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM
Zinc, Total	ND		ug/l	10.00	3.410	1	09/14/20 07:30	09/14/20 11:12	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2037961

Report Date: 09/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1409485-2								
Mercury, Total	103		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2037961

Report Date: 09/21/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1409486-2					
Aluminum, Total	99	-	80-120	-	
Antimony, Total	81	-	80-120	-	
Arsenic, Total	101	-	80-120	-	
Barium, Total	89	-	80-120	-	
Beryllium, Total	103	-	80-120	-	
Cadmium, Total	102	-	80-120	-	
Calcium, Total	101	-	80-120	-	
Chromium, Total	94	-	80-120	-	
Cobalt, Total	95	-	80-120	-	
Copper, Total	97	-	80-120	-	
Iron, Total	100	-	80-120	-	
Lead, Total	103	-	80-120	-	
Magnesium, Total	104	-	80-120	-	
Manganese, Total	95	-	80-120	-	
Nickel, Total	93	-	80-120	-	
Potassium, Total	101	-	80-120	-	
Selenium, Total	100	-	80-120	-	
Silver, Total	98	-	80-120	-	
Sodium, Total	102	-	80-120	-	
Thallium, Total	99	-	80-120	-	
Vanadium, Total	94	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2037961

Report Date: 09/21/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1409486-2					
Zinc, Total	105	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2037961
Report Date: 09/21/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1409485-3 QC Sample: L2037961-01 Client ID: MW-206												
Mercury, Total	ND	5	5.420	108		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037961
Report Date: 09/21/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1409486-3 QC Sample: L2037961-01 Client ID: MW-206										
Aluminum, Total	604.	2000	2790	109		-	-	75-125	-	20
Antimony, Total	1.034J	500	463.4	93		-	-	75-125	-	20
Arsenic, Total	0.5790	120	133.0	110		-	-	75-125	-	20
Barium, Total	49.60	2000	1918	93		-	-	75-125	-	20
Beryllium, Total	ND	50	56.13	112		-	-	75-125	-	20
Cadmium, Total	ND	51	55.83	109		-	-	75-125	-	20
Calcium, Total	38900	10000	53300	**144**	Q	-	-	75-125	-	20
Chromium, Total	6.083	200	208.2	101		-	-	75-125	-	20
Cobalt, Total	1.750	500	514.0	102		-	-	75-125	-	20
Copper, Total	5.084	250	265.6	104		-	-	75-125	-	20
Iron, Total	1960	1000	2650	**69**	Q	-	-	75-125	-	20
Lead, Total	0.7085J	510	571.0	112		-	-	75-125	-	20
Magnesium, Total	14400	10000	26800	124		-	-	75-125	-	20
Manganese, Total	244.0	500	750.6	101		-	-	75-125	-	20
Nickel, Total	62.72	500	566.6	101		-	-	75-125	-	20
Potassium, Total	9050	10000	20300	112		-	-	75-125	-	20
Selenium, Total	ND	120	130	108		-	-	75-125	-	20
Silver, Total	ND	50	52.16	104		-	-	75-125	-	20
Sodium, Total	388000	10000	259000	**0**	Q	-	-	75-125	-	20
Thallium, Total	ND	120	128.0	107		-	-	75-125	-	20
Vanadium, Total	2.063J	500	515.5	103		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037961
Report Date: 09/21/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1409486-3 QC Sample: L2037961-01 Client ID: MW-206									
Zinc, Total	6.014J	500	572.0	114	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2037961

Report Date: 09/21/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1409485-4 QC Sample: L2037961-01 Client ID: MW-206						
Mercury, Total	ND	ND	ug/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037961
Report Date: 09/21/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1409486-4 QC Sample: L2037961-01 Client ID: MW-206					
Aluminum, Total	604.	510	ug/l	17	20
Antimony, Total	1.034J	2.324J	ug/l	NC	20
Arsenic, Total	0.5790	0.6095	ug/l	5	20
Barium, Total	49.60	49.79	ug/l	0	20
Beryllium, Total	ND	ND	ug/l	NC	20
Cadmium, Total	ND	ND	ug/l	NC	20
Calcium, Total	38900	39900	ug/l	3	20
Chromium, Total	6.083	5.920	ug/l	3	20
Cobalt, Total	1.750	1.559	ug/l	12	20
Copper, Total	5.084	5.106	ug/l	0	20
Iron, Total	1960	1750	ug/l	11	20
Lead, Total	0.7085J	0.7212J	ug/l	NC	20
Magnesium, Total	14400	15100	ug/l	5	20
Manganese, Total	244.0	247.2	ug/l	1	20
Nickel, Total	62.72	63.01	ug/l	0	20
Potassium, Total	9050	9220	ug/l	2	20
Selenium, Total	ND	ND	ug/l	NC	20
Silver, Total	ND	ND	ug/l	NC	20
Sodium, Total	388000	424000	ug/l	9	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2037961

Report Date: 09/21/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1409486-4 QC Sample: L2037961-01 Client ID: MW-206					
Thallium, Total	ND	0.2090J	ug/l	NC	20
Vanadium, Total	2.063J	1.648J	ug/l	NC	20
Zinc, Total	6.014J	4.751J	ug/l	NC	20

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037961
Report Date: 09/21/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2037961-01A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2037961-01B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2037961-01C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2037961-01D	Plastic 250ml unpreserved	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2037961-01E	Plastic 250ml unpreserved	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2037961-01F	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		CO-6020T-PPB(180),AL-6020T-PPB(180),SB-6020T-PPB(180),HG-T-PPB(28),BE-6020T-PPB(180),CD-6020T-PPB(180),CR-6020T-PPB(180),CA-6020T-PPB(180),CU-6020T-PPB(180),BA-6020T-PPB(180),TL-6020T-PPB(180),AG-6020T-PPB(180),PB-6020T-PPB(180),K-6020T-PPB(180),AS-6020T-PPB(180),FE-6020T-PPB(180),NA-6020T-PPB(180),MG-6020T-PPB(180),NI-6020T-PPB(180),ZN-6020T-PPB(180),MN-6020T-PPB(180),V-6020T-PPB(180),SE-6020T-PPB(180)
L2037961-01G	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2037961-01H	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2037961
Report Date: 09/21/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	33 CENTRE AVE	**Lab Number:**	L2037961
Project Number:	10567	**Report Date:**	09/21/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L2037961
Project Number:	10567	**Report Date:**	09/21/20

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L2037961
Project Number:	10567	**Report Date:**	09/21/20

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L2037961
Project Number:	10567	**Report Date:**	09/21/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 1 of 1

Date Rec'd in Lab: 09/11/20

ALPHA Job #: L2037961

Client Information

Client: SESI
Address: 12a Maple Ave
Phone: 973-808-4050
Fax:
Email: JAM@SESI.ORG

Project Information

Project Name: 33 Centre Ave
Project Location: New Rochelle NY
Project #: 10567.4
(Use Project name as Project #): ☐
Project Manager: Jesse Messner
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ 24 hr # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other Cat B

Regulatory Requirement

☒ NY TOGS ☐ NY Part 375
☒ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL Metals & Hg	PFAAs	TCL VOCs	1,4 Dioxane					Total Bottle
37961-01	MW-206	9-11-2020	16:00	GW	JRM	X	X	X	X					

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
John Margaret	9/11/2020 16:10	Dave	9/11/20 1610
Dave	9/11/20 18:47	AAL	9/11/20 20:30
AAL	9/11/20 23:40		9/11/20 23:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

JOB: L2038034 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1040: Metals Matrix Spike Report - OK
1050: Metals Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK

No results found for sample L2038034-01 for product A2-NY-537-ISOTOPE
No results found for sample L2038034-02 for product A2-NY-537-ISOTOPE

ANALYTICAL REPORT

Lab Number:	L2038034
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	33 CENTRE AVE
Project Number:	10567
Report Date:	09/16/20

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

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

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038034
Report Date: 09/16/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2038034-01	MW-209D (48-58)	WATER	NEW ROCHELLE, NY	09/12/20 11:10	09/12/20
L2038034-02	MW-209S (62.5-67.5)	WATER	NEW ROCHELLE, NY	09/12/20 12:00	09/12/20

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038034
Project Number:	10567	**Report Date:**	09/16/20

Case Narrative

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

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

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

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

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

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

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038034
Project Number:	10567	**Report Date:**	09/16/20

Case Narrative (continued)

Report Submission

September 16, 2020: This preliminary report includes the results of the 1,4-Dioxane by 8270-SIM analysis performed on L2038034-01 and -02.

September 15, 2020: This is a preliminary report.

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

Total Metals

The WG1409891-1 Method Blank, associated with L2038034-01 and -02, has a concentration above the reporting limit for mercury. Since the samples were non-detect to the RL for this target analyte, no further actions were taken. The results of the original analysis are reported.

The WG1409889-3 MS recoveries for calcium (160%) and magnesium (145%), performed on L2038034-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 09/16/20

ORGANICS

VOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038034
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2038034-01 D
Client ID: MW-209D (48-58)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/20 11:10
Date Received: 09/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/15/20 09:59
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	8.8	J	ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	1.4	J	ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	28		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
1,3-Dichloropropene, Total	ND		ug/l	2.5	0.72	5
1,1-Dichloropropene	ND		ug/l	12	3.5	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	53		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038034
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2038034-01 D
Client ID: MW-209D (48-58)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/12/20 11:10
Date Received: 09/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	700		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	7.6	J	ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
Xylenes, Total	7.6	J	ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
1,2-Dichloroethene, Total	ND		ug/l	12	3.5	5
Dibromomethane	ND		ug/l	25	5.0	5
1,2,3-Trichloropropane	ND		ug/l	12	3.5	5
Acrylonitrile	ND		ug/l	25	7.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	390		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	350		ug/l	25	9.7	5
Vinyl acetate	ND		ug/l	25	5.0	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
2,2-Dichloropropane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,3-Dichloropropane	ND		ug/l	12	3.5	5
1,1,1,2-Tetrachloroethane	ND		ug/l	12	3.5	5
Bromobenzene	ND		ug/l	12	3.5	5
n-Butylbenzene	ND		ug/l	12	3.5	5
sec-Butylbenzene	ND		ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
o-Chlorotoluene	ND		ug/l	12	3.5	5
p-Chlorotoluene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Hexachlorobutadiene	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
p-Isopropyltoluene	ND		ug/l	12	3.5	5
Naphthalene	ND		ug/l	12	3.5	5

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038034
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2038034-01 D
Client ID: MW-209D (48-58)
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/12/20 11:10
Date Received: 09/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	ND		ug/l	12	3.5	5
1,2,4-Trimethylbenzene	ND		ug/l	12	3.5	5
1,4-Dioxane	ND		ug/l	1200	300	5
p-Diethylbenzene	ND		ug/l	10	3.5	5
p-Ethyltoluene	ND		ug/l	10	3.5	5
1,2,4,5-Tetramethylbenzene	ND		ug/l	10	2.7	5
Ethyl ether	ND		ug/l	12	3.5	5
trans-1,4-Dichloro-2-butene	ND		ug/l	12	3.5	5
Tentatively Identified Compounds						
Total TIC Compounds	200	J	ug/l			5
Furan, tetrahydro-	200	NJ	ug/l			5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	114		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038034
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2038034-02 D
Client ID: MW-209S (62.5-67.5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/20 12:00
Date Received: 09/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/15/20 09:37
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	14	J	ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	ND		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	440		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
1,3-Dichloropropene, Total	ND		ug/l	10	2.9	20
1,1-Dichloropropene	ND		ug/l	50	14.	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	ND		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	96		ug/l	10	3.4	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038034
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2038034-02 D
Client ID: MW-209S (62.5-67.5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/20 12:00
Date Received: 09/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	2300		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
Xylenes, Total	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	ND		ug/l	50	14.	20
1,2-Dichloroethene, Total	ND		ug/l	50	14.	20
Dibromomethane	ND		ug/l	100	20.	20
1,2,3-Trichloropropane	ND		ug/l	50	14.	20
Acrylonitrile	ND		ug/l	100	30.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	30	J	ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	43	J	ug/l	100	39.	20
Vinyl acetate	ND		ug/l	100	20.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
2,2-Dichloropropane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,3-Dichloropropane	ND		ug/l	50	14.	20
1,1,1,2-Tetrachloroethane	ND		ug/l	50	14.	20
Bromobenzene	ND		ug/l	50	14.	20
n-Butylbenzene	ND		ug/l	50	14.	20
sec-Butylbenzene	ND		ug/l	50	14.	20
tert-Butylbenzene	ND		ug/l	50	14.	20
o-Chlorotoluene	ND		ug/l	50	14.	20
p-Chlorotoluene	ND		ug/l	50	14.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Hexachlorobutadiene	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
p-Isopropyltoluene	ND		ug/l	50	14.	20
Naphthalene	ND		ug/l	50	14.	20

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038034
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2038034-02 D
Client ID: MW-209S (62.5-67.5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/20 12:00
Date Received: 09/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
1,3,5-Trimethylbenzene	ND		ug/l	50	14.	20
1,2,4-Trimethylbenzene	ND		ug/l	50	14.	20
1,4-Dioxane	ND		ug/l	5000	1200	20
p-Diethylbenzene	ND		ug/l	40	14.	20
p-Ethyltoluene	ND		ug/l	40	14.	20
1,2,4,5-Tetramethylbenzene	ND		ug/l	40	11.	20
Ethyl ether	ND		ug/l	50	14.	20
trans-1,4-Dichloro-2-butene	ND		ug/l	50	14.	20
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	110		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038034
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/15/20 09:15
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1410014-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038034
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/15/20 09:15
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1410014-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038034
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/15/20 09:15
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1410014-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038034
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/15/20 09:15
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1410014-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038034

Report Date: 09/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1410014-3 WG1410014-4								
Methylene chloride	92		93		70-130	1		20
1,1-Dichloroethane	96		97		70-130	1		20
Chloroform	93		93		70-130	0		20
Carbon tetrachloride	100		98		63-132	2		20
1,2-Dichloropropane	86		90		70-130	5		20
Dibromochloromethane	91		88		63-130	3		20
1,1,2-Trichloroethane	82		83		70-130	1		20
Tetrachloroethene	82		80		70-130	2		20
Chlorobenzene	88		88		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	88		89		70-130	1		20
1,1,1-Trichloroethane	91		93		67-130	2		20
Bromodichloromethane	88		88		67-130	0		20
trans-1,3-Dichloropropene	81		81		70-130	0		20
cis-1,3-Dichloropropene	82		84		70-130	2		20
1,1-Dichloropropene	86		86		70-130	0		20
Bromoform	90		87		54-136	3		20
1,1,2,2-Tetrachloroethane	80		80		67-130	0		20
Benzene	88		89		70-130	1		20
Toluene	88		86		70-130	2		20
Ethylbenzene	89		87		70-130	2		20
Chloromethane	110		110		64-130	0		20
Bromomethane	130		130		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038034

Report Date: 09/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1410014-3 WG1410014-4								
Vinyl chloride	95		94		55-140	1		20
Chloroethane	130		120		55-138	8		20
1,1-Dichloroethene	90		93		61-145	3		20
trans-1,2-Dichloroethene	92		95		70-130	3		20
Trichloroethene	91		92		70-130	1		20
1,2-Dichlorobenzene	91		87		70-130	4		20
1,3-Dichlorobenzene	94		89		70-130	5		20
1,4-Dichlorobenzene	90		91		70-130	1		20
Methyl tert butyl ether	76		80		63-130	5		20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	93		90		70-130	3		20
Dibromomethane	81		85		70-130	5		20
1,2,3-Trichloropropane	77		76		64-130	1		20
Acrylonitrile	74		79		70-130	7		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	120		110		36-147	9		20
Acetone	71		74		58-148	4		20
Carbon disulfide	90		90		51-130	0		20
2-Butanone	86		89		63-138	3		20
Vinyl acetate	**63**	Q	**68**	Q	70-130	8		20
4-Methyl-2-pentanone	71		71		59-130	0		20
2-Hexanone	61		64		57-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038034

Report Date: 09/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1410014-3 WG1410014-4								
Bromochloromethane	91		93		70-130	2		20
2,2-Dichloropropane	99		98		63-133	1		20
1,2-Dibromoethane	80		81		70-130	1		20
1,3-Dichloropropane	80		81		70-130	1		20
1,1,1,2-Tetrachloroethane	91		90		64-130	1		20
Bromobenzene	91		87		70-130	4		20
n-Butylbenzene	93		92		53-136	1		20
sec-Butylbenzene	93		90		70-130	3		20
tert-Butylbenzene	84		82		70-130	2		20
o-Chlorotoluene	93		90		70-130	3		20
p-Chlorotoluene	92		92		70-130	0		20
1,2-Dibromo-3-chloropropane	74		73		41-144	1		20
Hexachlorobutadiene	95		91		63-130	4		20
Isopropylbenzene	94		90		70-130	4		20
p-Isopropyltoluene	94		94		70-130	0		20
Naphthalene	72		74		70-130	3		20
n-Propylbenzene	94		90		69-130	4		20
1,2,3-Trichlorobenzene	82		79		70-130	4		20
1,2,4-Trichlorobenzene	84		82		70-130	2		20
1,3,5-Trimethylbenzene	96		91		64-130	5		20
1,2,4-Trimethylbenzene	95		91		70-130	4		20
1,4-Dioxane	82		76		56-162	8		20
p-Diethylbenzene	93		87		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038034

Report Date: 09/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1410014-3 WG1410014-4								
p-Ethyltoluene	95		91		70-130	4		20
1,2,4,5-Tetramethylbenzene	91		90		70-130	1		20
Ethyl ether	83		87		59-134	5		20
trans-1,4-Dichloro-2-butene	**69**	Q	75		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		99		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	99		103		70-130

SEMIVOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038034
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2038034-01
Client ID: MW-209D (48-58)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/20 11:10
Date Received: 09/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/15/20 21:18
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/15/20 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	81100		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	50		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038034
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2038034-02 D
Client ID: MW-209S (62.5-67.5)
Sample Location: NEW ROCHELLE, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/16/20 09:04
Analyst: PS

Date Collected: 09/12/20 12:00
Date Received: 09/12/20
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 09/15/20 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	296000		ng/l	556	126.	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	47		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038034
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/15/20 19:18
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/15/20 10:30

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-02 Batch: WG1409921-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	53		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038034

Report Date: 09/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab	Associated sample(s): 01-02		Batch: WG1409921-2 WG1409921-3					
1,4-Dioxane	109		111		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	56		53		15-110

METALS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038034
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2038034-01
Client ID: MW-209D (48-58)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Water

Date Collected: 09/12/20 11:10
Date Received: 09/12/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	106.		ug/l	10.0	3.27	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Antimony, Total	0.4662	J	ug/l	4.000	0.4290	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Arsenic, Total	0.2420	J	ug/l	0.5000	0.1650	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Barium, Total	130.4		ug/l	0.5000	0.1730	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		ug/l	0.5000	0.1070	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		ug/l	0.2000	0.0599	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Calcium, Total	110000		ug/l	100.	39.4	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Chromium, Total	3.219		ug/l	1.000	0.1780	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Cobalt, Total	3.750		ug/l	0.5000	0.1630	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Copper, Total	0.8996	J	ug/l	1.000	0.3840	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Iron, Total	28400		ug/l	50.0	19.1	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Lead, Total	ND		ug/l	1.000	0.3430	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Magnesium, Total	75100		ug/l	70.0	24.2	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Manganese, Total	2634.		ug/l	1.000	0.4400	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Mercury, Total	0.1084	J	ug/l	0.2000	0.0915	1	09/15/20 07:46	09/15/20 11:50	EPA 7470A	1,7470A	EW
Nickel, Total	8.435		ug/l	2.000	0.5560	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Potassium, Total	24800		ug/l	100.	30.9	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Selenium, Total	ND		ug/l	5.00	1.73	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Silver, Total	ND		ug/l	0.4000	0.1630	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Sodium, Total	135000		ug/l	100.	29.3	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Thallium, Total	0.2689	J	ug/l	1.000	0.1430	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		ug/l	5.000	1.570	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM
Zinc, Total	4.976	J	ug/l	10.00	3.410	1	09/15/20 07:30	09/15/20 12:36	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038034
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2038034-02
Client ID: MW-209S (62.5-67.5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Water

Date Collected: 09/12/20 12:00
Date Received: 09/12/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	212.		ug/l	10.0	3.27	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Antimony, Total	ND		ug/l	4.000	0.4290	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Arsenic, Total	0.4474	J	ug/l	0.5000	0.1650	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Barium, Total	105.5		ug/l	0.5000	0.1730	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		ug/l	0.5000	0.1070	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		ug/l	0.2000	0.0599	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Calcium, Total	78500		ug/l	100.	39.4	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Chromium, Total	5.183		ug/l	1.000	0.1780	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Cobalt, Total	3.119		ug/l	0.5000	0.1630	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Copper, Total	0.8087	J	ug/l	1.000	0.3840	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Iron, Total	10300		ug/l	50.0	19.1	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Lead, Total	ND		ug/l	1.000	0.3430	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Magnesium, Total	38000		ug/l	70.0	24.2	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Manganese, Total	1979.		ug/l	1.000	0.4400	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Mercury, Total	0.1671	J	ug/l	0.2000	0.0915	1	09/15/20 07:46	09/15/20 11:38	EPA 7470A	1,7470A	EW
Nickel, Total	5.748		ug/l	2.000	0.5560	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Potassium, Total	32100		ug/l	100.	30.9	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Selenium, Total	ND		ug/l	5.00	1.73	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Silver, Total	ND		ug/l	0.4000	0.1630	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Sodium, Total	210000		ug/l	100.	29.3	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Thallium, Total	0.2079	J	ug/l	1.000	0.1430	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		ug/l	5.000	1.570	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM
Zinc, Total	ND		ug/l	10.00	3.410	1	09/15/20 07:30	09/15/20 12:41	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038034
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1409889-1										
Aluminum, Total	ND		ug/l	10.0	3.27	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Antimony, Total	ND		ug/l	4.000	0.4290	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Arsenic, Total	ND		ug/l	0.5000	0.1650	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Barium, Total	ND		ug/l	0.5000	0.1730	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Beryllium, Total	ND		ug/l	0.5000	0.1070	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Cadmium, Total	ND		ug/l	0.2000	0.0599	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Calcium, Total	ND		ug/l	100	39.4	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Chromium, Total	ND		ug/l	1.000	0.1780	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Cobalt, Total	ND		ug/l	0.5000	0.1630	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Copper, Total	ND		ug/l	1.000	0.3840	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Iron, Total	ND		ug/l	50.0	19.1	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Lead, Total	ND		ug/l	1.000	0.3430	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Magnesium, Total	ND		ug/l	70.0	24.2	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Manganese, Total	ND		ug/l	1.000	0.4400	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Nickel, Total	ND		ug/l	2.000	0.5560	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Potassium, Total	ND		ug/l	100	30.9	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Selenium, Total	ND		ug/l	5.00	1.73	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Silver, Total	ND		ug/l	0.4000	0.1630	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Sodium, Total	ND		ug/l	100	29.3	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Thallium, Total	ND		ug/l	1.000	0.1430	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Vanadium, Total	ND		ug/l	5.000	1.570	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM
Zinc, Total	ND		ug/l	10.00	3.410	1	09/15/20 07:30	09/15/20 11:00	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1409891-1										
Mercury, Total	0.2051		ug/l	0.2000	0.0915	1	09/15/20 07:46	09/15/20 11:34	1,7470A	EW

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038034
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038034

Report Date: 09/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1409889-2								
Aluminum, Total	104		-		80-120	-		
Antimony, Total	86		-		80-120	-		
Arsenic, Total	102		-		80-120	-		
Barium, Total	101		-		80-120	-		
Beryllium, Total	108		-		80-120	-		
Cadmium, Total	104		-		80-120	-		
Calcium, Total	102		-		80-120	-		
Chromium, Total	99		-		80-120	-		
Cobalt, Total	99		-		80-120	-		
Copper, Total	100		-		80-120	-		
Iron, Total	98		-		80-120	-		
Lead, Total	105		-		80-120	-		
Magnesium, Total	102		-		80-120	-		
Manganese, Total	97		-		80-120	-		
Nickel, Total	97		-		80-120	-		
Potassium, Total	100		-		80-120	-		
Selenium, Total	101		-		80-120	-		
Silver, Total	102		-		80-120	-		
Sodium, Total	100		-		80-120	-		
Thallium, Total	101		-		80-120	-		
Vanadium, Total	97		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038034

Report Date: 09/16/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1409889-2					
Zinc, Total	104	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1409891-2					
Mercury, Total	120	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038034
Report Date: 09/16/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1409889-3 QC Sample: L2038034-01 Client ID: MW-209D (48-58)												
Aluminum, Total	106.	2000	2280	109		-	-		75-125	-		20
Antimony, Total	0.4662J	500	599.1	120		-	-		75-125	-		20
Arsenic, Total	0.2420J	120	132.1	110		-	-		75-125	-		20
Barium, Total	130.4	2000	2215	104		-	-		75-125	-		20
Beryllium, Total	ND	50	53.27	106		-	-		75-125	-		20
Cadmium, Total	ND	51	56.51	111		-	-		75-125	-		20
Calcium, Total	110000	10000	126000	**160**	Q	-	-		75-125	-		20
Chromium, Total	3.219	200	207.2	102		-	-		75-125	-		20
Cobalt, Total	3.750	500	525.1	104		-	-		75-125	-		20
Copper, Total	0.8996J	250	262.2	105		-	-		75-125	-		20
Iron, Total	28400	1000	29500	110		-	-		75-125	-		20
Lead, Total	ND	510	558.6	110		-	-		75-125	-		20
Magnesium, Total	75100	10000	89600	**145**	Q	-	-		75-125	-		20
Manganese, Total	2634.	500	3111	95		-	-		75-125	-		20
Nickel, Total	8.435	500	509.5	100		-	-		75-125	-		20
Potassium, Total	24800	10000	35900	111		-	-		75-125	-		20
Selenium, Total	ND	120	131	109		-	-		75-125	-		20
Silver, Total	ND	50	53.63	107		-	-		75-125	-		20
Sodium, Total	135000	10000	143000	80		-	-		75-125	-		20
Thallium, Total	0.2689J	120	125.4	104		-	-		75-125	-		20
Vanadium, Total	ND	500	507.1	101		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038034
Report Date: 09/16/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1409889-3 QC Sample: L2038034-01 Client ID: MW-209D (48-58)									
Zinc, Total	4.976J	500	554.5	111	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1409891-3 QC Sample: L2038034-02 Client ID: MW-209S (62.5-67.5)									
Mercury, Total	0.1671J	5	5.104	102	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038034
Report Date: 09/16/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1409889-4 QC Sample: L2038034-01 Client ID: MW-209D (48-58)						
Aluminum, Total	106.	106	ug/l	0		20
Antimony, Total	0.4662J	1.026J	ug/l	NC		20
Arsenic, Total	0.2420J	0.2677J	ug/l	NC		20
Barium, Total	130.4	128.9	ug/l	1		20
Beryllium, Total	ND	ND	ug/l	NC		20
Cadmium, Total	ND	ND	ug/l	NC		20
Calcium, Total	110000	110000	ug/l	0		20
Chromium, Total	3.219	3.315	ug/l	3		20
Cobalt, Total	3.750	3.556	ug/l	5		20
Copper, Total	0.8996J	0.8377J	ug/l	NC		20
Iron, Total	28400	27500	ug/l	3		20
Lead, Total	ND	ND	ug/l	NC		20
Magnesium, Total	75100	75600	ug/l	1		20
Manganese, Total	2634.	2588	ug/l	2		20
Nickel, Total	8.435	8.206	ug/l	3		20
Potassium, Total	24800	24700	ug/l	0		20
Selenium, Total	ND	ND	ug/l	NC		20
Silver, Total	ND	ND	ug/l	NC		20
Sodium, Total	135000	134000	ug/l	1		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038034

Report Date: 09/16/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1409889-4 QC Sample: L2038034-01 Client ID: MW-209D (48-58)					
Thallium, Total	0.2689J	0.6662J	ug/l	NC	20
Vanadium, Total	ND	ND	ug/l	NC	20
Zinc, Total	4.976J	4.613J	ug/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1409891-4 QC Sample: L2038034-02 Client ID: MW-209S (62.5-67.5)					
Mercury, Total	0.1671J	0.1149J	ug/l	NC	20

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038034
Report Date: 09/16/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2038034-01A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2038034-01B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2038034-01C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2038034-01D	Plastic 250ml unpreserved	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038034-01E	Plastic 250ml unpreserved	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038034-01F	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		CO-6020T-PPB(180),AL-6020T-PPB(180),BE-6020T-PPB(180),CR-6020T-PPB(180),SB-6020T-PPB(180),HG-T-PPB(28),CD-6020T-PPB(180),CA-6020T-PPB(180),CU-6020T-PPB(180),BA-6020T-PPB(180),TL-6020T-PPB(180),K-6020T-PPB(180),PB-6020T-PPB(180),AG-6020T-PPB(180),AS-6020T-PPB(180),FE-6020T-PPB(180),NI-6020T-PPB(180),MG-6020T-PPB(180),ZN-6020T-PPB(180),NA-6020T-PPB(180),MN-6020T-PPB(180),SE-6020T-PPB(180),V-6020T-PPB(180)
L2038034-01G	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038034-01H	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038034-02A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2038034-02B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2038034-02C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2038034-02D	Plastic 250ml unpreserved	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038034-02E	Plastic 250ml unpreserved	A	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038034
Report Date: 09/16/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2038034-02F	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		AL-6020T-PPB(180),CO-6020T-PPB(180),SB-6020T-PPB(180),CD-6020T-PPB(180),CR-6020T-PPB(180),HG-T-PPB(28),BE-6020T-PPB(180),CU-6020T-PPB(180),CA-6020T-PPB(180),BA-6020T-PPB(180),TL-6020T-PPB(180),AG-6020T-PPB(180),K-6020T-PPB(180),PB-6020T-PPB(180),AS-6020T-PPB(180),FE-6020T-PPB(180),MG-6020T-PPB(180),NA-6020T-PPB(180),ZN-6020T-PPB(180),NI-6020T-PPB(180),MN-6020T-PPB(180),SE-6020T-PPB(180),V-6020T-PPB(180)
L2038034-02G	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038034-02H	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)

*Values in parentheses indicate holding time in days

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038034
Project Number:	10567	**Report Date:**	09/16/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038034
Project Number:	10567	**Report Date:**	09/16/20

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038034
Project Number:	10567	**Report Date:**	09/16/20

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038034
Project Number:	10567	**Report Date:**	09/16/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 9/14/20

ALPHA Job #: L2038034

Client Information
Client: SESI
Address: 12a Maple Ave, Pine Brook NJ
Phone: 973-808-9050
Fax:
Email: JAM@SESI.ORG

Project Information
Project Name: 33 Center Ave
Project Location: New Rochelle, NY
Project #: 10567.4
(Use Project name as Project #): ☐
Project Manager: Jesse Munshower
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ 24 Hr # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other Cat B

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☒ NY TOGS ☐ NY Part 375
☒ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL Metals & Hg	TCL VOCs	PFAAS	1,4-Dioxane	Total Bottle	Sample Specific Comments
38034-01	MW-709D (48-58)	9-12-2020	11:10	GW	JRN	X	X	X	X		
	MW-709S (62.5-67.5)	↓	12:00	GW	JRN	X	X	X	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type										
Preservative										

Relinquished By:	Date/Time	Received By:	Date/Time
John Norgrod	9-14-2020 12:15	BB IC AAL	9/14/20 12:01
Paul Mugella	9/14/20 2200	Paul Mugella	9/14/20 1820
	9/14		9/14/20 22w

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2038499
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	33 CENTRE AVE
Project Number:	10567
Report Date:	09/22/20

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

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

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

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038499
Report Date: 09/22/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2038499-01	MW-204	WATER	NEW ROCHELLE, NY	09/15/20 11:15	09/15/20
L2038499-02	MW-207D	WATER	NEW ROCHELLE, NY	09/15/20 12:40	09/15/20
L2038499-03	MW-207S	WATER	NEW ROCHELLE, NY	09/15/20 14:10	09/15/20
L2038499-04	MW-210D	WATER	NEW ROCHELLE, NY	09/15/20 16:00	09/15/20
L2038499-05	MW-210I	WATER	NEW ROCHELLE, NY	09/15/20 17:10	09/15/20
L2038499-06	MW-210S	WATER	NEW ROCHELLE, NY	09/15/20 17:50	09/15/20

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038499
Project Number:	10567	**Report Date:**	09/22/20

Case Narrative

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

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

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

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

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

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

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038499
Project Number:	10567	**Report Date:**	09/22/20

Case Narrative (continued)

Report Submission

September 22, 2020: This final report includes the results of all requested analyses.

September 17, 2020: This is a preliminary report.

September 16, 2020: This is a preliminary report.

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

Perfluorinated Alkyl Acids by Isotope Dilution

L2038499-02, -04, -05, and -06: The sample was re-extracted on dilution in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2038499-06: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

Total Metals

The WG1410414-3 MS recoveries for calcium (380%), iron (130%), magnesium (170%), manganese (189%), and sodium (170%), performed on L2038499-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1410414-3 MS recovery, performed on L2038499-01, is outside the acceptance criteria for nickel (131%). A post digestion spike was performed and was within acceptance criteria.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 09/22/20

ORGANICS

VOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-01
Client ID: MW-204
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/15/20 11:15
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/16/20 08:48
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	12		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	1.3		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	5.2		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	0.78	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.13	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	7.5		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-01
Client ID: MW-204
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/15/20 11:15
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	4.1		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.9	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	41		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-01
Client ID: MW-204
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/15/20 11:15
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
Total TIC Compounds	1.94	J	ug/l			1
Unknown	1.94	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	102		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-02 D
Client ID: MW-207D
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 12:40
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/16/20 09:13
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	500	140	200
1,1-Dichloroethane	580		ug/l	500	140	200
Chloroform	ND		ug/l	500	140	200
Carbon tetrachloride	ND		ug/l	100	27.	200
1,2-Dichloropropane	ND		ug/l	200	27.	200
Dibromochloromethane	ND		ug/l	100	30.	200
1,1,2-Trichloroethane	ND		ug/l	300	100	200
Tetrachloroethene	37	J	ug/l	100	36.	200
Chlorobenzene	ND		ug/l	500	140	200
Trichlorofluoromethane	ND		ug/l	500	140	200
1,2-Dichloroethane	ND		ug/l	100	26.	200
1,1,1-Trichloroethane	32000		ug/l	500	140	200
Bromodichloromethane	ND		ug/l	100	38.	200
trans-1,3-Dichloropropene	ND		ug/l	100	33.	200
cis-1,3-Dichloropropene	ND		ug/l	100	29.	200
1,3-Dichloropropene, Total	ND		ug/l	100	29.	200
1,1-Dichloropropene	ND		ug/l	500	140	200
Bromoform	ND		ug/l	400	130	200
1,1,2,2-Tetrachloroethane	ND		ug/l	100	33.	200
Benzene	ND		ug/l	100	32.	200
Toluene	ND		ug/l	500	140	200
Ethylbenzene	ND		ug/l	500	140	200
Chloromethane	ND		ug/l	500	140	200
Bromomethane	ND		ug/l	500	140	200
Vinyl chloride	ND		ug/l	200	14.	200
Chloroethane	ND		ug/l	500	140	200
1,1-Dichloroethene	2800		ug/l	100	34.	200
trans-1,2-Dichloroethene	ND		ug/l	500	140	200

Project Name: 33 CENTRE AVE
Lab Number: L2038499
Project Number: 10567
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-02 D
Client ID: MW-207D
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 12:40
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1000		ug/l	100	35.	200
1,2-Dichlorobenzene	ND		ug/l	500	140	200
1,3-Dichlorobenzene	ND		ug/l	500	140	200
1,4-Dichlorobenzene	ND		ug/l	500	140	200
Methyl tert butyl ether	ND		ug/l	500	140	200
p/m-Xylene	ND		ug/l	500	140	200
o-Xylene	ND		ug/l	500	140	200
Xylenes, Total	ND		ug/l	500	140	200
cis-1,2-Dichloroethene	ND		ug/l	500	140	200
1,2-Dichloroethene, Total	ND		ug/l	500	140	200
Dibromomethane	ND		ug/l	1000	200	200
1,2,3-Trichloropropane	ND		ug/l	500	140	200
Acrylonitrile	ND		ug/l	1000	300	200
Styrene	ND		ug/l	500	140	200
Dichlorodifluoromethane	ND		ug/l	1000	200	200
Acetone	1100		ug/l	1000	290	200
Carbon disulfide	ND		ug/l	1000	200	200
2-Butanone	700	J	ug/l	1000	390	200
Vinyl acetate	ND		ug/l	1000	200	200
4-Methyl-2-pentanone	ND		ug/l	1000	200	200
2-Hexanone	ND		ug/l	1000	200	200
Bromochloromethane	ND		ug/l	500	140	200
2,2-Dichloropropane	ND		ug/l	500	140	200
1,2-Dibromoethane	ND		ug/l	400	130	200
1,3-Dichloropropane	ND		ug/l	500	140	200
1,1,1,2-Tetrachloroethane	ND		ug/l	500	140	200
Bromobenzene	ND		ug/l	500	140	200
n-Butylbenzene	ND		ug/l	500	140	200
sec-Butylbenzene	ND		ug/l	500	140	200
tert-Butylbenzene	ND		ug/l	500	140	200
o-Chlorotoluene	ND		ug/l	500	140	200
p-Chlorotoluene	ND		ug/l	500	140	200
1,2-Dibromo-3-chloropropane	ND		ug/l	500	140	200
Hexachlorobutadiene	ND		ug/l	500	140	200
Isopropylbenzene	ND		ug/l	500	140	200
p-Isopropyltoluene	ND		ug/l	500	140	200
Naphthalene	ND		ug/l	500	140	200

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-02 D
Client ID: MW-207D
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/15/20 12:40
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	500	140	200
1,2,3-Trichlorobenzene	ND		ug/l	500	140	200
1,2,4-Trichlorobenzene	ND		ug/l	500	140	200
1,3,5-Trimethylbenzene	ND		ug/l	500	140	200
1,2,4-Trimethylbenzene	ND		ug/l	500	140	200
1,4-Dioxane	ND		ug/l	50000	12000	200
p-Diethylbenzene	ND		ug/l	400	140	200
p-Ethyltoluene	ND		ug/l	400	140	200
1,2,4,5-Tetramethylbenzene	ND		ug/l	400	110	200
Ethyl ether	ND		ug/l	500	140	200
trans-1,4-Dichloro-2-butene	ND		ug/l	500	140	200
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	102		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-03 D
Client ID: MW-207S
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 14:10
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/16/20 09:38
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2500	700	1000
1,1-Dichloroethane	ND		ug/l	2500	700	1000
Chloroform	ND		ug/l	2500	700	1000
Carbon tetrachloride	ND		ug/l	500	130	1000
1,2-Dichloropropane	ND		ug/l	1000	140	1000
Dibromochloromethane	ND		ug/l	500	150	1000
1,1,2-Trichloroethane	ND		ug/l	1500	500	1000
Tetrachloroethene	ND		ug/l	500	180	1000
Chlorobenzene	ND		ug/l	2500	700	1000
Trichlorofluoromethane	ND		ug/l	2500	700	1000
1,2-Dichloroethane	ND		ug/l	500	130	1000
1,1,1-Trichloroethane	140000		ug/l	2500	700	1000
Bromodichloromethane	ND		ug/l	500	190	1000
trans-1,3-Dichloropropene	ND		ug/l	500	160	1000
cis-1,3-Dichloropropene	ND		ug/l	500	140	1000
1,3-Dichloropropene, Total	ND		ug/l	500	140	1000
1,1-Dichloropropene	ND		ug/l	2500	700	1000
Bromoform	ND		ug/l	2000	650	1000
1,1,2,2-Tetrachloroethane	ND		ug/l	500	170	1000
Benzene	ND		ug/l	500	160	1000
Toluene	ND		ug/l	2500	700	1000
Ethylbenzene	ND		ug/l	2500	700	1000
Chloromethane	ND		ug/l	2500	700	1000
Bromomethane	ND		ug/l	2500	700	1000
Vinyl chloride	ND		ug/l	1000	71.	1000
Chloroethane	ND		ug/l	2500	700	1000
1,1-Dichloroethene	1600		ug/l	500	170	1000
trans-1,2-Dichloroethene	ND		ug/l	2500	700	1000

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-03 D
Client ID: MW-207S
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/15/20 14:10
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	520		ug/l	500	180	1000
1,2-Dichlorobenzene	ND		ug/l	2500	700	1000
1,3-Dichlorobenzene	ND		ug/l	2500	700	1000
1,4-Dichlorobenzene	ND		ug/l	2500	700	1000
Methyl tert butyl ether	ND		ug/l	2500	700	1000
p/m-Xylene	ND		ug/l	2500	700	1000
o-Xylene	ND		ug/l	2500	700	1000
Xylenes, Total	ND		ug/l	2500	700	1000
cis-1,2-Dichloroethene	ND		ug/l	2500	700	1000
1,2-Dichloroethene, Total	ND		ug/l	2500	700	1000
Dibromomethane	ND		ug/l	5000	1000	1000
1,2,3-Trichloropropane	ND		ug/l	2500	700	1000
Acrylonitrile	ND		ug/l	5000	1500	1000
Styrene	ND		ug/l	2500	700	1000
Dichlorodifluoromethane	ND		ug/l	5000	1000	1000
Acetone	5000		ug/l	5000	1500	1000
Carbon disulfide	ND		ug/l	5000	1000	1000
2-Butanone	3200	J	ug/l	5000	1900	1000
Vinyl acetate	ND		ug/l	5000	1000	1000
4-Methyl-2-pentanone	ND		ug/l	5000	1000	1000
2-Hexanone	ND		ug/l	5000	1000	1000
Bromochloromethane	ND		ug/l	2500	700	1000
2,2-Dichloropropane	ND		ug/l	2500	700	1000
1,2-Dibromoethane	ND		ug/l	2000	650	1000
1,3-Dichloropropane	ND		ug/l	2500	700	1000
1,1,1,2-Tetrachloroethane	ND		ug/l	2500	700	1000
Bromobenzene	ND		ug/l	2500	700	1000
n-Butylbenzene	ND		ug/l	2500	700	1000
sec-Butylbenzene	ND		ug/l	2500	700	1000
tert-Butylbenzene	ND		ug/l	2500	700	1000
o-Chlorotoluene	ND		ug/l	2500	700	1000
p-Chlorotoluene	ND		ug/l	2500	700	1000
1,2-Dibromo-3-chloropropane	ND		ug/l	2500	700	1000
Hexachlorobutadiene	ND		ug/l	2500	700	1000
Isopropylbenzene	ND		ug/l	2500	700	1000
p-Isopropyltoluene	ND		ug/l	2500	700	1000
Naphthalene	ND		ug/l	2500	700	1000

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-03 D
Client ID: MW-207S
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/15/20 14:10
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2500	700	1000
1,2,3-Trichlorobenzene	ND		ug/l	2500	700	1000
1,2,4-Trichlorobenzene	ND		ug/l	2500	700	1000
1,3,5-Trimethylbenzene	ND		ug/l	2500	700	1000
1,2,4-Trimethylbenzene	ND		ug/l	2500	700	1000
1,4-Dioxane	ND		ug/l	250000	61000	1000
p-Diethylbenzene	ND		ug/l	2000	700	1000
p-Ethyltoluene	ND		ug/l	2000	700	1000
1,2,4,5-Tetramethylbenzene	ND		ug/l	2000	540	1000
Ethyl ether	ND		ug/l	2500	700	1000
trans-1,4-Dichloro-2-butene	ND		ug/l	2500	700	1000
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	105		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-04 D2
Client ID: MW-210D
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 16:00
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/16/20 10:37
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1,1-Trichloroethane	12000		ug/l	500	140	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	111		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-04 D
Client ID: MW-210D
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 16:00
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/16/20 09:31
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	120	35.	50
1,1-Dichloroethane	430		ug/l	120	35.	50
Chloroform	ND		ug/l	120	35.	50
Carbon tetrachloride	ND		ug/l	25	6.7	50
1,2-Dichloropropane	ND		ug/l	50	6.8	50
Dibromochloromethane	ND		ug/l	25	7.4	50
1,1,2-Trichloroethane	ND		ug/l	75	25.	50
Tetrachloroethene	36		ug/l	25	9.0	50
Chlorobenzene	ND		ug/l	120	35.	50
Trichlorofluoromethane	ND		ug/l	120	35.	50
1,2-Dichloroethane	22	J	ug/l	25	6.6	50
1,1,1-Trichloroethane	12000	E	ug/l	120	35.	50
Bromodichloromethane	ND		ug/l	25	9.6	50
trans-1,3-Dichloropropene	ND		ug/l	25	8.2	50
cis-1,3-Dichloropropene	ND		ug/l	25	7.2	50
1,3-Dichloropropene, Total	ND		ug/l	25	7.2	50
1,1-Dichloropropene	ND		ug/l	120	35.	50
Bromoform	ND		ug/l	100	32.	50
1,1,2,2-Tetrachloroethane	ND		ug/l	25	8.4	50
Benzene	ND		ug/l	25	8.0	50
Toluene	110	J	ug/l	120	35.	50
Ethylbenzene	ND		ug/l	120	35.	50
Chloromethane	ND		ug/l	120	35.	50
Bromomethane	ND		ug/l	120	35.	50
Vinyl chloride	ND		ug/l	50	3.6	50
Chloroethane	ND		ug/l	120	35.	50
1,1-Dichloroethene	3700		ug/l	25	8.4	50
trans-1,2-Dichloroethene	ND		ug/l	120	35.	50

Project Name: 33 CENTRE AVE **Lab Number:** L2038499

Project Number: 10567 **Report Date:** 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-04 D
Client ID: MW-210D
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 16:00
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1800		ug/l	25	8.8	50
1,2-Dichlorobenzene	ND		ug/l	120	35.	50
1,3-Dichlorobenzene	ND		ug/l	120	35.	50
1,4-Dichlorobenzene	ND		ug/l	120	35.	50
Methyl tert butyl ether	ND		ug/l	120	35.	50
p/m-Xylene	ND		ug/l	120	35.	50
o-Xylene	ND		ug/l	120	35.	50
Xylenes, Total	ND		ug/l	120	35.	50
cis-1,2-Dichloroethene	ND		ug/l	120	35.	50
1,2-Dichloroethene, Total	ND		ug/l	120	35.	50
Dibromomethane	ND		ug/l	250	50.	50
1,2,3-Trichloropropane	ND		ug/l	120	35.	50
Acrylonitrile	ND		ug/l	250	75.	50
Styrene	ND		ug/l	120	35.	50
Dichlorodifluoromethane	ND		ug/l	250	50.	50
Acetone	260		ug/l	250	73.	50
Carbon disulfide	ND		ug/l	250	50.	50
2-Butanone	150	J	ug/l	250	97.	50
Vinyl acetate	ND		ug/l	250	50.	50
4-Methyl-2-pentanone	ND		ug/l	250	50.	50
2-Hexanone	ND		ug/l	250	50.	50
Bromochloromethane	ND		ug/l	120	35.	50
2,2-Dichloropropane	ND		ug/l	120	35.	50
1,2-Dibromoethane	ND		ug/l	100	32.	50
1,3-Dichloropropane	ND		ug/l	120	35.	50
1,1,1,2-Tetrachloroethane	ND		ug/l	120	35.	50
Bromobenzene	ND		ug/l	120	35.	50
n-Butylbenzene	ND		ug/l	120	35.	50
sec-Butylbenzene	ND		ug/l	120	35.	50
tert-Butylbenzene	ND		ug/l	120	35.	50
o-Chlorotoluene	ND		ug/l	120	35.	50
p-Chlorotoluene	ND		ug/l	120	35.	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	35.	50
Hexachlorobutadiene	ND		ug/l	120	35.	50
Isopropylbenzene	ND		ug/l	120	35.	50
p-Isopropyltoluene	ND		ug/l	120	35.	50
Naphthalene	ND		ug/l	120	35.	50

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-04 D
Client ID: MW-210D
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/15/20 16:00
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	120	35.	50
1,2,3-Trichlorobenzene	ND		ug/l	120	35.	50
1,2,4-Trichlorobenzene	ND		ug/l	120	35.	50
1,3,5-Trimethylbenzene	ND		ug/l	120	35.	50
1,2,4-Trimethylbenzene	ND		ug/l	120	35.	50
1,4-Dioxane	ND		ug/l	12000	3000	50
p-Diethylbenzene	ND		ug/l	100	35.	50
p-Ethyltoluene	ND		ug/l	100	35.	50
1,2,4,5-Tetramethylbenzene	ND		ug/l	100	27.	50
Ethyl ether	ND		ug/l	120	35.	50
trans-1,4-Dichloro-2-butene	ND		ug/l	120	35.	50
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	107		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-05 D2
Client ID: MW-210I
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 17:10
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/16/20 10:59
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1,1-Trichloroethane	4200		ug/l	250	70.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	83		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	115		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-05 D
Client ID: MW-210I
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 17:10
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/16/20 09:53
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	180		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	15		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	6.3	J	ug/l	10	2.6	20
1,1,1-Trichloroethane	4200	E	ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
1,3-Dichloropropene, Total	ND		ug/l	10	2.9	20
1,1-Dichloropropene	ND		ug/l	50	14.	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	24	J	ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	ND		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	1200		ug/l	10	3.4	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20

Project Name: 33 CENTRE AVE
Lab Number: L2038499
Project Number: 10567
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-05 D
Client ID: MW-210I
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 17:10
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	3600		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
Xylenes, Total	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	ND		ug/l	50	14.	20
1,2-Dichloroethene, Total	ND		ug/l	50	14.	20
Dibromomethane	ND		ug/l	100	20.	20
1,2,3-Trichloropropane	ND		ug/l	50	14.	20
Acrylonitrile	ND		ug/l	100	30.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	89	J	ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	57	J	ug/l	100	39.	20
Vinyl acetate	ND		ug/l	100	20.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
2,2-Dichloropropane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,3-Dichloropropane	ND		ug/l	50	14.	20
1,1,1,2-Tetrachloroethane	ND		ug/l	50	14.	20
Bromobenzene	ND		ug/l	50	14.	20
n-Butylbenzene	ND		ug/l	50	14.	20
sec-Butylbenzene	ND		ug/l	50	14.	20
tert-Butylbenzene	ND		ug/l	50	14.	20
o-Chlorotoluene	ND		ug/l	50	14.	20
p-Chlorotoluene	ND		ug/l	50	14.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Hexachlorobutadiene	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
p-Isopropyltoluene	ND		ug/l	50	14.	20
Naphthalene	ND		ug/l	50	14.	20

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-05 D
Client ID: MW-210I
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/15/20 17:10
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
1,3,5-Trimethylbenzene	ND		ug/l	50	14.	20
1,2,4-Trimethylbenzene	ND		ug/l	50	14.	20
1,4-Dioxane	ND		ug/l	5000	1200	20
p-Diethylbenzene	ND		ug/l	40	14.	20
p-Ethyltoluene	ND		ug/l	40	14.	20
1,2,4,5-Tetramethylbenzene	ND		ug/l	40	11.	20
Ethyl ether	ND		ug/l	50	14.	20
trans-1,4-Dichloro-2-butene	ND		ug/l	50	14.	20
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	111		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-06 D2
Client ID: MW-210S
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 17:50
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/16/20 11:21
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1700		ug/l	10	3.5	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	116		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-06 D
Client ID: MW-210S
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 17:50
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/16/20 10:15
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	62		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	8.3		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	2.4	J	ug/l	2.5	0.66	5
1,1,1-Trichloroethane	980		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
1,3-Dichloropropene, Total	ND		ug/l	2.5	0.72	5
1,1-Dichloropropene	ND		ug/l	12	3.5	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	4.7	J	ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	440		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5

Project Name: 33 CENTRE AVE **Lab Number:** L2038499

Project Number: 10567 **Report Date:** 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-06 D Date Collected: 09/15/20 17:50
Client ID: MW-210S Date Received: 09/15/20
Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1600	E	ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	3.5	J	ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
Xylenes, Total	3.5	J	ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
1,2-Dichloroethene, Total	ND		ug/l	12	3.5	5
Dibromomethane	ND		ug/l	25	5.0	5
1,2,3-Trichloropropane	ND		ug/l	12	3.5	5
Acrylonitrile	ND		ug/l	25	7.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	52		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	23	J	ug/l	25	9.7	5
Vinyl acetate	ND		ug/l	25	5.0	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
2,2-Dichloropropane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,3-Dichloropropane	ND		ug/l	12	3.5	5
1,1,1,2-Tetrachloroethane	ND		ug/l	12	3.5	5
Bromobenzene	ND		ug/l	12	3.5	5
n-Butylbenzene	ND		ug/l	12	3.5	5
sec-Butylbenzene	ND		ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
o-Chlorotoluene	ND		ug/l	12	3.5	5
p-Chlorotoluene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Hexachlorobutadiene	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
p-Isopropyltoluene	ND		ug/l	12	3.5	5
Naphthalene	ND		ug/l	12	3.5	5

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-06 D
Client ID: MW-210S
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/15/20 17:50
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	ND		ug/l	12	3.5	5
1,2,4-Trimethylbenzene	ND		ug/l	12	3.5	5
1,4-Dioxane	ND		ug/l	1200	300	5
p-Diethylbenzene	ND		ug/l	10	3.5	5
p-Ethyltoluene	ND		ug/l	10	3.5	5
1,2,4,5-Tetramethylbenzene	ND		ug/l	10	2.7	5
Ethyl ether	ND		ug/l	12	3.5	5
trans-1,4-Dichloro-2-butene	ND		ug/l	12	3.5	5
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	110		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/20 09:09
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1410618-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/20 09:09
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1410618-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/20 09:09
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1410618-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/20 09:09
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1410618-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	107		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/20 08:23
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1410624-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/20 08:23
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1410624-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/20 08:23
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1410624-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds			
Total TIC Compounds	2.65	J	ug/l
Unknown	2.65	J	ug/l

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/20 08:23
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1410624-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038499

Report Date: 09/22/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1410618-3 WG1410618-4								
Methylene chloride	110		100		70-130	10		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	120		110		63-132	9		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	99		94		70-130	5		20
Tetrachloroethene	90		88		70-130	2		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	130		130		62-150	0		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	94		90		70-130	4		20
cis-1,3-Dichloropropene	100		93		70-130	7		20
1,1-Dichloropropene	99		100		70-130	1		20
Bromoform	100		110		54-136	10		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	100		100		70-130	0		20
Toluene	100		97		70-130	3		20
Ethylbenzene	100		98		70-130	2		20
Chloromethane	120		130		64-130	8		20
Bromomethane	120		120		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038499

Report Date: 09/22/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1410618-3 WG1410618-4								
Vinyl chloride	120		120		55-140	0		20
Chloroethane	**150**	Q	130		55-138	14		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	110		100		70-130	10		20
1,2-Dichlorobenzene	110		100		70-130	10		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	90		90		63-130	0		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	105		110		70-130	5		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	100		97		70-130	3		20
1,2,3-Trichloropropane	90		100		64-130	11		20
Acrylonitrile	89		95		70-130	7		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	**160**	Q	**150**	Q	36-147	6		20
Acetone	81		92		58-148	13		20
Carbon disulfide	100		95		51-130	5		20
2-Butanone	100		120		63-138	18		20
Vinyl acetate	77		83		70-130	8		20
4-Methyl-2-pentanone	80		83		59-130	4		20
2-Hexanone	74		77		57-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038499
Report Date: 09/22/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1410618-3 WG1410618-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	120		100		63-133	18		20
1,2-Dibromoethane	95		93		70-130	2		20
1,3-Dichloropropane	100		94		70-130	6		20
1,1,1,2-Tetrachloroethane	110		100		64-130	10		20
Bromobenzene	110		100		70-130	10		20
n-Butylbenzene	110		100		53-136	10		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	97		100		70-130	3		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	94		97		41-144	3		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	110		100		70-130	10		20
p-Isopropyltoluene	110		100		70-130	10		20
Naphthalene	90		93		70-130	3		20
n-Propylbenzene	110		100		69-130	10		20
1,2,3-Trichlorobenzene	93		98		70-130	5		20
1,2,4-Trichlorobenzene	98		98		70-130	0		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
1,4-Dioxane	84		86		56-162	2		20
p-Diethylbenzene	110		100		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038499

Report Date: 09/22/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1410618-3 WG1410618-4								
p-Ethyltoluene	120		110		70-130	9		20
1,2,4,5-Tetramethylbenzene	110		100		70-130	10		20
Ethyl ether	98		110		59-134	12		20
trans-1,4-Dichloro-2-butene	87		74		70-130	16		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		103		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	105		110		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038499
Report Date: 09/22/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1410624-3 WG1410624-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		99		70-130	11		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
1,1-Dichloropropene	100		110		70-130	10		20
Bromoform	110		100		54-136	10		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	110		110		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	100		110		64-130	10		20
Bromomethane	130		**140**	Q	39-139	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038499

Report Date: 09/22/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1410624-3 WG1410624-4								
Vinyl chloride	100		110		55-140	10		20
Chloroethane	95		98		55-138	3		20
1,1-Dichloroethene	100		110		61-145	10		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	97		100		70-130	3		20
1,4-Dichlorobenzene	100		110		70-130	10		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Dibromomethane	110		100		70-130	10		20
1,2,3-Trichloropropane	100		100		64-130	0		20
Acrylonitrile	100		110		70-130	10		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	84		89		36-147	6		20
Acetone	96		97		58-148	1		20
Carbon disulfide	100		110		51-130	10		20
2-Butanone	110		110		63-138	0		20
Vinyl acetate	120		120		70-130	0		20
4-Methyl-2-pentanone	100		100		59-130	0		20
2-Hexanone	110		110		57-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038499

Report Date: 09/22/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1410624-3 WG1410624-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	130		130		63-133	0		20
1,2-Dibromoethane	110		110		70-130	0		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	110		110		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	98		100		70-130	2		20
tert-Butylbenzene	100		110		70-130	10		20
o-Chlorotoluene	100		110		70-130	10		20
p-Chlorotoluene	100		110		70-130	10		20
1,2-Dibromo-3-chloropropane	95		98		41-144	3		20
Hexachlorobutadiene	99		100		63-130	1		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	82		90		70-130	9		20
Naphthalene	100		100		70-130	0		20
n-Propylbenzene	100		110		69-130	10		20
1,2,3-Trichlorobenzene	97		100		70-130	3		20
1,2,4-Trichlorobenzene	98		100		70-130	2		20
1,3,5-Trimethylbenzene	100		110		64-130	10		20
1,2,4-Trimethylbenzene	100		110		70-130	10		20
1,4-Dioxane	82		92		56-162	11		20
p-Diethylbenzene	96		100		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038499

Report Date: 09/22/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1410624-3 WG1410624-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	92		98		70-130	6		20
Ethyl ether	100		100		59-134	0		20
trans-1,4-Dichloro-2-butene	120		120		70-130	0		20

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

SEMIVOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-01
Client ID: MW-204
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 11:15
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/16/20 21:56
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 08:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	828.		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	47		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-01
Client ID: MW-204
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 11:15
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/17/20 01:53
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/16/20 06:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	12.0		ng/l	1.80	0.367	1
Perfluoropentanoic Acid (PFPeA)	17.4		ng/l	1.80	0.356	1
Perfluorobutanesulfonic Acid (PFBS)	14.3		ng/l	1.80	0.214	1
Perfluorohexanoic Acid (PFHxA)	15.4		ng/l	1.80	0.295	1
Perfluoroheptanoic Acid (PFHpA)	13.1		ng/l	1.80	0.202	1
Perfluorohexanesulfonic Acid (PFHxS)	6.80		ng/l	1.80	0.338	1
Perfluorooctanoic Acid (PFOA)	42.2		ng/l	1.80	0.212	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.80	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	3.52		ng/l	1.80	0.618	1
Perfluorononanoic Acid (PFNA)	3.98		ng/l	1.80	0.280	1
Perfluorooctanesulfonic Acid (PFOS)	166	F	ng/l	1.80	0.453	1
Perfluorodecanoic Acid (PFDA)	1.00	J	ng/l	1.80	0.273	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.80	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.80	0.582	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.80	0.234	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.80	0.881	1
Perfluorooctanesulfonamide (FOSA)	1.61	JF	ng/l	1.80	0.521	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.93	F	ng/l	1.80	0.723	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.80	0.334	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.80	0.294	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.80	0.223	1

Project Name: 33 CENTRE AVE
Lab Number: L2038499
Project Number: 10567
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-01
Client ID: MW-204
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 11:15
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	237		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	144		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	73		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	25		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	82		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	64		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-02
Client ID: MW-207D
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 12:40
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/16/20 22:21
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 08:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	86800		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	44		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-02
Client ID: MW-207D
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 12:40
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/17/20 02:09
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/16/20 06:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	11.0		ng/l	1.77	0.361	1
Perfluoropentanoic Acid (PFPeA)	14.8		ng/l	1.77	0.350	1
Perfluorobutanesulfonic Acid (PFBS)	80.4		ng/l	1.77	0.211	1
Perfluorohexanoic Acid (PFHxA)	13.5		ng/l	1.77	0.290	1
Perfluoroheptanoic Acid (PFHpA)	12.6		ng/l	1.77	0.199	1
Perfluorohexanesulfonic Acid (PFHxS)	7.98		ng/l	1.77	0.333	1
Perfluorooctanoic Acid (PFOA)	58.9		ng/l	1.77	0.209	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.77	1.18	1
Perfluoroheptanesulfonic Acid (PFHpS)	8.27		ng/l	1.77	0.609	1
Perfluorononanoic Acid (PFNA)	2.82		ng/l	1.77	0.276	1
Perfluorooctanesulfonic Acid (PFOS)	449	EF	ng/l	1.77	0.446	1
Perfluorodecanoic Acid (PFDA)	1.09	J	ng/l	1.77	0.269	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.77	1.07	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.77	0.574	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.77	0.230	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.77	0.867	1
Perfluorooctanesulfonamide (FOSA)	2.31	F	ng/l	1.77	0.513	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	3.75	F	ng/l	1.77	0.712	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.77	0.329	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.77	0.290	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.77	0.219	1

Project Name: 33 CENTRE AVE
Lab Number: L2038499
Project Number: 10567
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-02
Client ID: MW-207D
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/15/20 12:40
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	188		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	152		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	90		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	27		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	69		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-02 RE
Client ID: MW-207D
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 12:40
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/18/20 13:38
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 17:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonic Acid (PFOS)	437		ng/l	10.0	2.52	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		42-146

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-03
Client ID: MW-207S
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 14:10
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/17/20 08:47
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 08:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	43800		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	48		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-03
Client ID: MW-207S
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 14:10
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/17/20 02:26
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/16/20 06:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	11.5		ng/l	1.79	0.365	1
Perfluoropentanoic Acid (PFPeA)	13.6		ng/l	1.79	0.354	1
Perfluorobutanesulfonic Acid (PFBS)	45.8		ng/l	1.79	0.213	1
Perfluorohexanoic Acid (PFHxA)	13.3		ng/l	1.79	0.293	1
Perfluoroheptanoic Acid (PFHpA)	10.4		ng/l	1.79	0.201	1
Perfluorohexanesulfonic Acid (PFHxS)	5.18	F	ng/l	1.79	0.336	1
Perfluorooctanoic Acid (PFOA)	41.2		ng/l	1.79	0.211	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	11.4		ng/l	1.79	1.19	1
Perfluoroheptanesulfonic Acid (PFHpS)	4.83		ng/l	1.79	0.616	1
Perfluorononanoic Acid (PFNA)	2.29		ng/l	1.79	0.279	1
Perfluorooctanesulfonic Acid (PFOS)	292	F	ng/l	1.79	0.451	1
Perfluorodecanoic Acid (PFDA)	0.959	J	ng/l	1.79	0.272	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.79	1.08	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.79	0.580	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.79	0.233	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.79	0.877	1
Perfluorooctanesulfonamide (FOSA)	2.06	F	ng/l	1.79	0.519	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.07	J	ng/l	1.79	0.719	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.79	0.333	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.79	0.293	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.79	0.222	1

Project Name: 33 CENTRE AVE
Lab Number: L2038499
Project Number: 10567
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-03
Client ID: MW-207S
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/15/20 14:10
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	108		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	81		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	168		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	126		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	87		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	79		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	75		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	71		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-04
Client ID: MW-210D
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 16:00
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/16/20 23:10
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 08:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	151000		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	50		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-04
Client ID: MW-210D
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 16:00
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/17/20 02:42
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/16/20 06:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	9.89		ng/l	1.82	0.372	1
Perfluoropentanoic Acid (PFPeA)	14.3		ng/l	1.82	0.361	1
Perfluorobutanesulfonic Acid (PFBS)	198		ng/l	1.82	0.217	1
Perfluorohexanoic Acid (PFHxA)	12.4		ng/l	1.82	0.299	1
Perfluoroheptanoic Acid (PFHpA)	12.7		ng/l	1.82	0.205	1
Perfluorohexanesulfonic Acid (PFHxS)	12.3		ng/l	1.82	0.343	1
Perfluorooctanoic Acid (PFOA)	63.6		ng/l	1.82	0.215	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.82	1.21	1
Perfluoroheptanesulfonic Acid (PFHpS)	11.6		ng/l	1.82	0.627	1
Perfluorononanoic Acid (PFNA)	2.73		ng/l	1.82	0.284	1
Perfluorooctanesulfonic Acid (PFOS)	611	EF	ng/l	1.82	0.459	1
Perfluorodecanoic Acid (PFDA)	0.966	J	ng/l	1.82	0.277	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.82	1.10	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.82	0.590	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.82	0.237	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.82	0.893	1
Perfluorooctanesulfonamide (FOSA)	1.29	JF	ng/l	1.82	0.528	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.74	F	ng/l	1.82	0.733	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.82	0.339	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.82	0.298	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.82	0.226	1

Project Name: 33 CENTRE AVE
Lab Number: L2038499
Project Number: 10567
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-04
Client ID: MW-210D
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/15/20 16:00
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	93		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	74		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	194		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	148		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	74		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	21		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	60		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	65		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	65		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-04 RE
Client ID: MW-210D
Sample Location: NEW ROCHELLE, NY

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/18/20 13:54
Analyst: JW

Date Collected: 09/15/20 16:00
Date Received: 09/15/20
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 17:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonic Acid (PFOS)	618		ng/l	10.0	2.52	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		42-146

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-05
Client ID: MW-210I
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 17:10
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/17/20 02:59
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/16/20 06:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	7.03		ng/l	1.92	0.391	1
Perfluoropentanoic Acid (PFPeA)	11.4		ng/l	1.92	0.379	1
Perfluorobutanesulfonic Acid (PFBS)	138		ng/l	1.92	0.228	1
Perfluorohexanoic Acid (PFHxA)	10.5		ng/l	1.92	0.314	1
Perfluoroheptanoic Acid (PFHpA)	10.8		ng/l	1.92	0.216	1
Perfluorohexanesulfonic Acid (PFHxS)	12.0	F	ng/l	1.92	0.360	1
Perfluorooctanoic Acid (PFOA)	55.2		ng/l	1.92	0.226	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.92	1.28	1
Perfluoroheptanesulfonic Acid (PFHpS)	12.4		ng/l	1.92	0.659	1
Perfluorononanoic Acid (PFNA)	2.83		ng/l	1.92	0.299	1
Perfluorooctanesulfonic Acid (PFOS)	584	EF	ng/l	1.92	0.483	1
Perfluorodecanoic Acid (PFDA)	0.927	J	ng/l	1.92	0.291	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.92	1.16	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.92	0.621	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.92	0.249	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.92	0.939	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.92	0.556	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.92	0.770	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.92	0.356	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.92	0.313	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.92	0.238	1

Project Name: 33 CENTRE AVE
Lab Number: L2038499
Project Number: 10567
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-05
Client ID: MW-210I
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/15/20 17:10
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	100		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	79		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	119		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	174		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	139		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	86		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	79		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	70		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-05 RE
Client ID: MW-210I
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 17:10
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/18/20 14:11
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 17:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonic Acid (PFOS)	558		ng/l	10.0	2.52	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		42-146

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-05 D
Client ID: MW-210I
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 17:10
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/17/20 09:10
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 08:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	294000		ng/l	288	65.2	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	44		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-06
Client ID: MW-210S
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 17:50
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/17/20 03:15
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/16/20 06:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	15.3		ng/l	2.29	0.468	1
Perfluoropentanoic Acid (PFPeA)	12.6		ng/l	2.29	0.454	1
Perfluorobutanesulfonic Acid (PFBS)	435		ng/l	2.29	0.273	1
Perfluorohexanoic Acid (PFHxA)	10.2		ng/l	2.29	0.376	1
Perfluoroheptanoic Acid (PFHpA)	10.2		ng/l	2.29	0.258	1
Perfluorohexanesulfonic Acid (PFHxS)	21.0		ng/l	2.29	0.431	1
Perfluorooctanoic Acid (PFOA)	53.9		ng/l	2.29	0.271	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	3.32		ng/l	2.29	1.53	1
Perfluoroheptanesulfonic Acid (PFHpS)	20.7		ng/l	2.29	0.789	1
Perfluorononanoic Acid (PFNA)	2.03	J	ng/l	2.29	0.358	1
Perfluorooctanesulfonic Acid (PFOS)	917	EF	ng/l	2.29	0.578	1
Perfluorodecanoic Acid (PFDA)	0.826	J	ng/l	2.29	0.349	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.29	1.39	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.29	0.744	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.29	0.298	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.29	1.12	1
Perfluorooctanesulfonamide (FOSA)	1.79	JF	ng/l	2.29	0.666	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.90	F	ng/l	2.29	0.922	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.29	0.427	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.29	0.375	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.29	0.284	1

Project Name: 33 CENTRE AVE
Lab Number: L2038499
Project Number: 10567
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-06
Client ID: MW-210S
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/15/20 17:50
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	96		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	122		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**324**	Q	1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**260**	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	102		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	83		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	36		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	73		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-06 RE
Client ID: MW-210S
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 17:50
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/18/20 14:27
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 17:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonic Acid (PFOS)	904		ng/l	10.0	2.52	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		42-146

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-06 D
Client ID: MW-210S
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/15/20 17:50
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/17/20 09:32
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 08:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	240000		ng/l	326	73.7	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	47		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/17/20 01:03
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/16/20 06:32

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-06 Batch: WG1410394-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/17/20 01:03
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/16/20 06:32

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-06 Batch: WG1410394-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	77		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	78		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	84		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	54		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	90		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038499
Report Date: 09/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/16/20 20:45
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 08:09

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-06 Batch: WG1410444-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	52		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/18/20 11:08
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 17:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02,04-06 Batch: WG1411293-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/18/20 11:08
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 17:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02,04-06 Batch: WG1411293-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	127		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	100		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	54		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	57		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	50		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	98		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	54		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83		33-143

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038499
Report Date: 09/22/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 Batch: WG1410394-2 WG1410394-3								
Perfluorobutanoic Acid (PFBA)	93		91		67-148	2		30
Perfluoropentanoic Acid (PFPeA)	93		92		63-161	1		30
Perfluorobutanesulfonic Acid (PFBS)	90		88		65-157	2		30
Perfluorohexanoic Acid (PFHxA)	94		92		69-168	2		30
Perfluoroheptanoic Acid (PFHpA)	93		91		58-159	2		30
Perfluorohexanesulfonic Acid (PFHxS)	94		90		69-177	4		30
Perfluorooctanoic Acid (PFOA)	93		94		63-159	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	100		98		49-187	2		30
Perfluoroheptanesulfonic Acid (PFHpS)	95		96		61-179	1		30
Perfluorononanoic Acid (PFNA)	97		95		68-171	2		30
Perfluorooctanesulfonic Acid (PFOS)	98		102		52-151	4		30
Perfluorodecanoic Acid (PFDA)	90		91		63-171	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	107		100		56-173	7		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	97		99		60-166	2		30
Perfluoroundecanoic Acid (PFUnA)	94		89		60-153	5		30
Perfluorodecanesulfonic Acid (PFDS)	97		100		38-156	3		30
Perfluorooctanesulfonamide (FOSA)	95		92		46-170	3		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	103		98		45-170	5		30
Perfluorododecanoic Acid (PFDoA)	100		97		67-153	3		30
Perfluorotridecanoic Acid (PFTrDA)	101		101		48-158	0		30
Perfluorotetradecanoic Acid (PFTA)	87		87		59-182	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038499

Report Date: 09/22/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 Batch: WG1410394-2 WG1410394-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	100		97		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115		112		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	105		103		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		98		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94		93		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		104		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		92		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	88		89		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		92		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		95		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		93		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	84		81		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		75		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	98		95		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	56		59		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	91		87		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		88		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	87		84		33-143

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038499

Report Date: 09/22/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab	Associated sample(s): 01-06		Batch: WG1410444-2 WG1410444-3					
1,4-Dioxane	111		113		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	48		50		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038499
Report Date: 09/22/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02,04-06 Batch: WG1411293-2 WG1411293-3								
Perfluorobutanoic Acid (PFBA)	94		93		67-148	1		30
Perfluoropentanoic Acid (PFPeA)	99		98		63-161	1		30
Perfluorobutanesulfonic Acid (PFBS)	100		96		65-157	4		30
Perfluorohexanoic Acid (PFHxA)	98		99		69-168	1		30
Perfluoroheptanoic Acid (PFHpA)	93		93		58-159	0		30
Perfluorohexanesulfonic Acid (PFHxS)	114		101		69-177	12		30
Perfluorooctanoic Acid (PFOA)	90		90		63-159	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	105		94		49-187	11		30
Perfluoroheptanesulfonic Acid (PFHpS)	89		87		61-179	2		30
Perfluorononanoic Acid (PFNA)	91		91		68-171	0		30
Perfluorooctanesulfonic Acid (PFOS)	99		94		52-151	5		30
Perfluorodecanoic Acid (PFDA)	99		96		63-171	3		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	90		90		56-173	0		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	118		96		60-166	21		30
Perfluoroundecanoic Acid (PFUnA)	105		102		60-153	3		30
Perfluorodecanesulfonic Acid (PFDS)	78		74		38-156	5		30
Perfluorooctanesulfonamide (FOSA)	98		87		46-170	12		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	95		95		45-170	0		30
Perfluorododecanoic Acid (PFDoA)	91		91		67-153	0		30
Perfluorotridecanoic Acid (PFTrDA)	87		89		48-158	2		30
Perfluorotetradecanoic Acid (PFTA)	96		94		59-182	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038499

Report Date: 09/22/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02,04-06 Batch: WG1411293-2 WG1411293-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		90		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	112		112		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	120		118		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	98		98		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		96		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		96		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		93		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	50		50		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		99		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		100		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		90		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	56		53		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	49		60		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	81		86		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	47		45		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	59		57		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	82		80		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78		77		33-143

METALS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-01
Client ID: MW-204
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/15/20 11:15
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0191		mg/l	0.0150	0.00327	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Antimony, Total	0.00045	J	mg/l	0.00400	0.00042	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00058		mg/l	0.00050	0.00016	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Barium, Total	0.09914		mg/l	0.00050	0.00017	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Calcium, Total	228.		mg/l	0.100	0.0394	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00818		mg/l	0.00050	0.00016	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Iron, Total	53.2		mg/l	0.0500	0.0191	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Magnesium, Total	105.		mg/l	0.0700	0.0242	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Manganese, Total	3.625		mg/l	0.00100	0.00044	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Mercury, Total	0.00021		mg/l	0.00020	0.00009	1	09/16/20 08:16	09/16/20 11:08	EPA 7470A	1,7470A	EW
Nickel, Total	1.179		mg/l	0.00200	0.00055	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Potassium, Total	15.1		mg/l	0.100	0.0309	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Sodium, Total	387.		mg/l	0.100	0.0293	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM
Zinc, Total	0.01236		mg/l	0.01000	0.00341	1	09/16/20 07:38	09/16/20 11:56	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-02
Client ID: MW-207D
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/15/20 12:40
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0656		mg/l	0.0150	0.00327	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00062		mg/l	0.00050	0.00016	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Barium, Total	0.05379		mg/l	0.00050	0.00017	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00018	J	mg/l	0.00050	0.00010	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Calcium, Total	164.		mg/l	0.100	0.0394	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Chromium, Total	0.00070	J	mg/l	0.00100	0.00017	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00810		mg/l	0.00050	0.00016	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Copper, Total	0.00146		mg/l	0.00100	0.00038	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Iron, Total	30.4		mg/l	0.0500	0.0191	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Magnesium, Total	63.0		mg/l	0.0700	0.0242	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Manganese, Total	4.288		mg/l	0.00100	0.00044	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/16/20 08:16	09/16/20 10:57	EPA 7470A	1,7470A	EW
Nickel, Total	0.3135		mg/l	0.00200	0.00055	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Potassium, Total	13.9		mg/l	0.100	0.0309	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Sodium, Total	152.		mg/l	0.100	0.0293	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM
Zinc, Total	0.01554		mg/l	0.01000	0.00341	1	09/16/20 07:38	09/16/20 12:01	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-03
Client ID: MW-207S
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/15/20 14:10
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.124		mg/l	0.0150	0.00327	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00039	J	mg/l	0.00050	0.00016	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Barium, Total	0.09988		mg/l	0.00050	0.00017	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00084		mg/l	0.00050	0.00010	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00049		mg/l	0.00020	0.00005	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Calcium, Total	160.		mg/l	0.100	0.0394	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Chromium, Total	0.08581		mg/l	0.00100	0.00017	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Cobalt, Total	0.01204		mg/l	0.00050	0.00016	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Copper, Total	0.01080		mg/l	0.00100	0.00038	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Iron, Total	3.86		mg/l	0.0500	0.0191	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Lead, Total	0.00260		mg/l	0.00100	0.00034	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Magnesium, Total	40.8		mg/l	0.0700	0.0242	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Manganese, Total	2.825		mg/l	0.00100	0.00044	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Mercury, Total	0.00028		mg/l	0.00020	0.00009	1	09/16/20 08:16	09/16/20 11:10	EPA 7470A	1,7470A	EW
Nickel, Total	0.4186		mg/l	0.00200	0.00055	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Potassium, Total	40.6		mg/l	0.100	0.0309	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Sodium, Total	352.		mg/l	0.100	0.0293	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM
Zinc, Total	0.01222		mg/l	0.01000	0.00341	1	09/16/20 07:38	09/16/20 12:06	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Lab Number: L2038499
Project Number: 10567
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-04
Client ID: MW-210D
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/15/20 16:00
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0100	J	mg/l	0.0150	0.00327	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00059		mg/l	0.00050	0.00016	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Barium, Total	0.04115		mg/l	0.00050	0.00017	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Calcium, Total	156.		mg/l	0.100	0.0394	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Chromium, Total	0.00215		mg/l	0.00100	0.00017	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00473		mg/l	0.00050	0.00016	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Iron, Total	60.4		mg/l	0.0500	0.0191	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Magnesium, Total	65.5		mg/l	0.0700	0.0242	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Manganese, Total	3.782		mg/l	0.00100	0.00044	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Mercury, Total	0.00037		mg/l	0.00020	0.00009	1	09/16/20 08:16	09/16/20 11:13	EPA 7470A	1,7470A	EW
Nickel, Total	0.03283		mg/l	0.00200	0.00055	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Potassium, Total	14.3		mg/l	0.100	0.0309	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Sodium, Total	115.		mg/l	0.100	0.0293	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	09/16/20 07:38	09/16/20 12:11	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-05
Client ID: MW-210I
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Water

Date Collected: 09/15/20 17:10
Date Received: 09/15/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1.96		mg/l	0.0150	0.00327	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00122		mg/l	0.00050	0.00016	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Barium, Total	0.07543		mg/l	0.00050	0.00017	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00080		mg/l	0.00050	0.00010	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00009	J	mg/l	0.00020	0.00005	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Calcium, Total	198.		mg/l	0.100	0.0394	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Chromium, Total	0.03711		mg/l	0.00100	0.00017	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00755		mg/l	0.00050	0.00016	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Copper, Total	0.00189		mg/l	0.00100	0.00038	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Iron, Total	36.7		mg/l	0.0500	0.0191	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Lead, Total	0.00566		mg/l	0.00100	0.00034	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Magnesium, Total	51.9		mg/l	0.0700	0.0242	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Manganese, Total	2.729		mg/l	0.00100	0.00044	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Mercury, Total	0.00023		mg/l	0.00020	0.00009	1	09/16/20 08:16	09/16/20 11:15	EPA 7470A	1,7470A	EW
Nickel, Total	0.04344		mg/l	0.00200	0.00055	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Potassium, Total	29.5		mg/l	0.100	0.0309	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Sodium, Total	201.		mg/l	0.100	0.0293	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Thallium, Total	0.00019	J	mg/l	0.00050	0.00014	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00227	J	mg/l	0.00500	0.00157	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM
Zinc, Total	0.01244		mg/l	0.01000	0.00341	1	09/16/20 07:38	09/16/20 12:35	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038499-06
Client ID: MW-210S
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/15/20 17:50
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0780		mg/l	0.0150	0.00327	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00027	J	mg/l	0.00050	0.00016	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Barium, Total	0.06605		mg/l	0.00050	0.00017	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Calcium, Total	78.5		mg/l	0.100	0.0394	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Chromium, Total	0.00617		mg/l	0.00100	0.00017	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00826		mg/l	0.00050	0.00016	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Copper, Total	0.00068	J	mg/l	0.00100	0.00038	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Iron, Total	4.03		mg/l	0.0500	0.0191	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Magnesium, Total	31.3		mg/l	0.0700	0.0242	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Manganese, Total	2.178		mg/l	0.00100	0.00044	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Mercury, Total	0.00013	J	mg/l	0.00020	0.00009	1	09/16/20 08:16	09/16/20 11:17	EPA 7470A	1,7470A	EW
Nickel, Total	0.03634		mg/l	0.00200	0.00055	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Potassium, Total	18.3		mg/l	0.100	0.0309	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Sodium, Total	292.		mg/l	0.100	0.0293	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM
Zinc, Total	0.00534	J	mg/l	0.01000	0.00341	1	09/16/20 07:38	09/16/20 12:40	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1410414-1										
Aluminum, Total	0.0121	J	mg/l	0.0150	0.00327	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Barium, Total	0.00025	J	mg/l	0.00050	0.00017	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Iron, Total	0.0269	J	mg/l	0.0500	0.0191	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	09/16/20 07:38	09/16/20 11:31	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1410418-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/16/20 08:16	09/16/20 10:52	1,7470A	EW

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038499

Report Date: 09/22/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1410414-2								
Aluminum, Total	101		-		80-120	-		
Antimony, Total	98		-		80-120	-		
Arsenic, Total	103		-		80-120	-		
Barium, Total	104		-		80-120	-		
Beryllium, Total	105		-		80-120	-		
Cadmium, Total	107		-		80-120	-		
Calcium, Total	99		-		80-120	-		
Chromium, Total	97		-		80-120	-		
Cobalt, Total	99		-		80-120	-		
Copper, Total	98		-		80-120	-		
Iron, Total	104		-		80-120	-		
Lead, Total	108		-		80-120	-		
Magnesium, Total	104		-		80-120	-		
Manganese, Total	100		-		80-120	-		
Nickel, Total	95		-		80-120	-		
Potassium, Total	102		-		80-120	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	106		-		80-120	-		
Sodium, Total	100		-		80-120	-		
Thallium, Total	104		-		80-120	-		
Vanadium, Total	97		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038499

Report Date: 09/22/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1410414-2					
Zinc, Total	108	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1410418-2					
Mercury, Total	112	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038499
Report Date: 09/22/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1410414-3 QC Sample: L2038499-01 Client ID: MW-204												
Aluminum, Total	0.0191	2	2.19	108		-	-		75-125	-		20
Antimony, Total	0.00045J	0.5	0.6187	124		-	-		75-125	-		20
Arsenic, Total	0.00058	0.12	0.1342	111		-	-		75-125	-		20
Barium, Total	0.09914	2	2.333	112		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.05158	103		-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.05766	113		-	-		75-125	-		20
Calcium, Total	228.	10	266	**380**	Q	-	-		75-125	-		20
Chromium, Total	ND	0.2	0.2066	103		-	-		75-125	-		20
Cobalt, Total	0.00818	0.5	0.5312	105		-	-		75-125	-		20
Copper, Total	ND	0.25	0.2585	103		-	-		75-125	-		20
Iron, Total	53.2	1	54.5	**130**	Q	-	-		75-125	-		20
Lead, Total	ND	0.51	0.5963	117		-	-		75-125	-		20
Magnesium, Total	105.	10	122	**170**	Q	-	-		75-125	-		20
Manganese, Total	3.625	0.5	4.572	**189**	Q	-	-		75-125	-		20
Nickel, Total	1.179	0.5	1.834	**131**	Q	-	-		75-125	-		20
Potassium, Total	15.1	10	26.6	115		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.139	116		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05511	110		-	-		75-125	-		20
Sodium, Total	387.	10	404	**170**	Q	-	-		75-125	-		20
Thallium, Total	ND	0.12	0.1331	111		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.5266	105		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038499
Report Date: 09/22/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1410414-3 QC Sample: L2038499-01 Client ID: MW-204									
Zinc, Total	0.01236	0.5	0.6007	118	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1410418-3 QC Sample: L2038499-02 Client ID: MW-207D									
Mercury, Total	ND	0.005	0.00538	108	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038499
Report Date: 09/22/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1410414-4 QC Sample: L2038499-01 Client ID: MW-204						
Aluminum, Total	0.0191	0.0164	mg/l	15		20
Antimony, Total	0.00045J	0.00105J	mg/l	NC		20
Arsenic, Total	0.00058	0.00061	mg/l	5		20
Barium, Total	0.09914	0.1003	mg/l	1		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Calcium, Total	228.	234	mg/l	3		20
Chromium, Total	ND	ND	mg/l	NC		20
Cobalt, Total	0.00818	0.00816	mg/l	0		20
Copper, Total	ND	ND	mg/l	NC		20
Iron, Total	53.2	54.6	mg/l	3		20
Lead, Total	ND	ND	mg/l	NC		20
Magnesium, Total	105.	108	mg/l	3		20
Manganese, Total	3.625	3.728	mg/l	3		20
Nickel, Total	1.179	1.192	mg/l	1		20
Potassium, Total	15.1	15.4	mg/l	2		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	387.	395	mg/l	2		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038499

Report Date: 09/22/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1410414-4 QC Sample: L2038499-01 Client ID: MW-204					
Thallium, Total	ND	0.00044J	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.01236	0.01251	mg/l	1	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1410418-4 QC Sample: L2038499-02 Client ID: MW-207D					
Mercury, Total	ND	0.00019J	mg/l	NC	20

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038499
Report Date: 09/22/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2038499-01A	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2038499-01B	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2038499-01C	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2038499-01D	Plastic 250ml unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038499-01E	Plastic 250ml unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038499-01F	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038499-01G	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038499-01H	Plastic 250ml HNO3 preserved	A	<2	<2	4.2	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),CD-6020T(180),AL-6020T(180),MG-6020T(180),AG-6020T(180),HG-T(28),CO-6020T(180)
L2038499-02A	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2038499-02B	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2038499-02C	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2038499-02D	Plastic 250ml unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038499-02E	Plastic 250ml unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038499-02F	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038499-02G	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038499-02H	Plastic 250ml HNO3 preserved	A	<2	<2	4.2	Y	Absent		FE-6020T(180),TL-6020T(180),SE-6020T(180),BA-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),AG-6020T(180),MG-6020T(180),HG-T(28),CD-6020T(180),AL-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038499
Report Date: 09/22/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2038499-03A	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2038499-03B	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2038499-03C	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2038499-03D	Plastic 250ml unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038499-03E	Plastic 250ml unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038499-03F	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038499-03G	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038499-03H	Plastic 250ml HNO3 preserved	A	<2	<2	4.2	Y	Absent		SE-6020T(180),BA-6020T(180),TL-6020T(180),FE-6020T(180),NI-6020T(180),K-6020T(180),CR-6020T(180),CA-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),CO-6020T(180)
L2038499-04A	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2038499-04B	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2038499-04C	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2038499-04D	Plastic 250ml unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038499-04E	Plastic 250ml unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038499-04F	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038499-04G	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038499-04H	Plastic 250ml HNO3 preserved	A	<2	<2	4.2	Y	Absent		FE-6020T(180),BA-6020T(180),TL-6020T(180),SE-6020T(180),CR-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),CD-6020T(180),MG-6020T(180),AL-6020T(180),AG-6020T(180),HG-T(28),CO-6020T(180)
L2038499-05A	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2038499-05B	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2038499-05C	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2038499-05D	Plastic 250ml unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038499
Report Date: 09/22/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2038499-05E	Plastic 250ml unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038499-05F	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038499-05G	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038499-05H	Plastic 250ml HNO3 preserved	A	<2	<2	4.2	Y	Absent		FE-6020T(180),SE-6020T(180),BA-6020T(180),TL-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),CD-6020T(180),CO-6020T(180)
L2038499-06A	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2038499-06B	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2038499-06C	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2038499-06D	Plastic 250ml unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038499-06E	Plastic 250ml unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038499-06F	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038499-06G	Plastic 250ml HNO3 preserved	A	<2	<2	4.2	Y	Absent		BA-6020T(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),NI-6020T(180),K-6020T(180),CA-6020T(180),CR-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),MG-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),AL-6020T(180),CO-6020T(180)

Container Comments

L2038499-02F	Incorrect Sample ID, but recieved with vials that are labeled correctly
L2038499-02G	Incorrect Sample ID, but recieved with vials that are labeled correctly
L2038499-02H	Incorrect Sample ID, but recieved with vials that are labeled correctly

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038499
Report Date: 09/22/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038499
Project Number:	10567	**Report Date:**	09/22/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038499
Project Number:	10567	**Report Date:**	09/22/20

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038499
Project Number:	10567	**Report Date:**	09/22/20

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038499
Project Number:	10567	**Report Date:**	09/22/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 9/15/20

ALPHA Job #: L2038499

Client Information
Client: SESI
Address: 120 Maple Ave, Pine Brook, NJ
Phone: 973-808-1050
Fax:
Email: JAM@SESI.ORG

Project Information
Project Name: 33 Centre Ave
Project Location: New Rochelle NY
Project #: 10567:4
(Use Project name as Project #): ☐
Project Manager: Jesse Mansoner
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ 24 hr # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other Cat B

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☒ NY TOGS ☐ NY Part 375
☒ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

24 hr except PFAAs; 1 of 210s 1-4 dioxane bottles broke, please let know if other will be sufficient

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL Metals & Hg	TCL VOC	1,4-Dioxane	PFAAS	Total Bottle
38499-01	MW-204	9-15-20	11:15	GW	JRN	X	X	X	X	
-02	MW-207D		12:40			X	X	X	X	
-03	MW-207S		14:10			X	X	X	X	
-04	MW-210D		16:00			X	X	X	X	
-05	MW-210I		17:10			X	X	X	X	
-06	MW-210S		17:50			X	X	X	X	

JRN

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type										
Preservative										

Relinquished By:	Date/Time	Received By:	Date/Time
John Norgard	9-15-20 18:30	NEATWORKS (AAL)	9/15/2020 1830
NEATWORKS (AAL)	9/15/2020 1940	AAL	9/15/20 20:45
AAL	9/15/20 23:55		9/15/20 23:55

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2038800
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	33 CENTRE AVE
Project Number:	10567
Report Date:	09/24/20

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

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

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

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038800
Report Date: 09/24/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2038800-01	MW-208D	WATER	NEW ROCHELLE, NY	09/16/20 08:30	09/16/20
L2038800-02	MW-208S	WATER	NEW ROCHELLE, NY	09/16/20 10:00	09/16/20
L2038800-03	DUP-1	WATER	NEW ROCHELLE, NY	09/16/20 00:00	09/16/20
L2038800-04	TRIP BLANK	TRIP BLANK (AQUEOUS)	NEW ROCHELLE, NY	09/16/20 00:00	09/16/20
L2038800-05	FIELD BLANK	FIELD BLANK	NEW ROCHELLE, NY	09/16/20 13:00	09/16/20

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038800
Project Number:	10567	**Report Date:**	09/24/20

Case Narrative

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

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

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

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

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

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

Project Name: 33 CENTRE AVE **Lab Number:** L2038800
Project Number: 10567 **Report Date:** 09/24/20

Case Narrative (continued)

Report Submission

September 24, 2020: This final report includes the results of all requested analyses.

September 21, 2020: This is a preliminary report.

September 17, 2020: This is a preliminary report.

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

Sample Receipt

L2038800-01: The sample was received above the appropriate pH for the Total Metals analysis. The laboratory added additional HNO3 to a pH <2.

L2038800-05: The sample collection time was obtained from the container labels.

Perfluorinated Alkyl Acids by Isotope Dilution

L2038800-01: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2038800-01: The sample was re-extracted on dilution within the method required holding time in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range

Total Metals

L2038800-01: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the high concentrations of target elements.

L2038800-05: The Field Blank has a result for sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

Case Narrative (continued)

The WG1410977-3 MS recoveries for calcium (160%) and sodium (0%), performed on L2038800-03, do not apply because the sample concentrations are greater than four times the spike amounts added.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 09/24/20

ORGANICS

VOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-01 D
Client ID: MW-208D
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/16/20 08:30
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/17/20 11:08
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	26		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	3.1	J	ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	31		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
1,3-Dichloropropene, Total	ND		ug/l	5.0	1.4	10
1,1-Dichloropropene	ND		ug/l	25	7.0	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	6.8		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-01 D
Client ID: MW-208D
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/16/20 08:30
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	15		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
Xylenes, Total	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	ND		ug/l	25	7.0	10
1,2-Dichloroethene, Total	ND		ug/l	25	7.0	10
Dibromomethane	ND		ug/l	50	10.	10
1,2,3-Trichloropropane	ND		ug/l	25	7.0	10
Acrylonitrile	ND		ug/l	50	15.	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	1000		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	290		ug/l	50	19.	10
Vinyl acetate	ND		ug/l	50	10.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
2,2-Dichloropropane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,3-Dichloropropane	ND		ug/l	25	7.0	10
1,1,1,2-Tetrachloroethane	ND		ug/l	25	7.0	10
Bromobenzene	ND		ug/l	25	7.0	10
n-Butylbenzene	ND		ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
o-Chlorotoluene	ND		ug/l	25	7.0	10
p-Chlorotoluene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Hexachlorobutadiene	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
Naphthalene	ND		ug/l	25	7.0	10

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-01 D
Client ID: MW-208D
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/16/20 08:30
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	ND		ug/l	25	7.0	10
1,2,4-Trimethylbenzene	ND		ug/l	25	7.0	10
1,4-Dioxane	ND		ug/l	2500	610	10
p-Diethylbenzene	ND		ug/l	20	7.0	10
p-Ethyltoluene	ND		ug/l	20	7.0	10
1,2,4,5-Tetramethylbenzene	ND		ug/l	20	5.4	10
Ethyl ether	ND		ug/l	25	7.0	10
trans-1,4-Dichloro-2-butene	ND		ug/l	25	7.0	10
Tentatively Identified Compounds						
Total TIC Compounds	12.2	J	ug/l			10
Cyclohexanone	12.2	NJ	ug/l			10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	101		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-02 D
Client ID: MW-208S
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/16/20 10:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/17/20 11:32
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	12		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	44		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	55		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	0.95	J	ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	9.4		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-02 D
Client ID: MW-208S
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/16/20 10:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	13		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	1.8	J	ug/l	5.0	1.4	2
o-Xylene	1.4	J	ug/l	5.0	1.4	2
Xylenes, Total	3.2	J	ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	3.5	J	ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	3.5	J	ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	ND		ug/l	10	3.0	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	220		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	70		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-02 D
Client ID: MW-208S
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/16/20 10:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	ND		ug/l	4.0	1.4	2
p-Ethyltoluene	ND		ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	ND		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			2

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

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-03 D
Client ID: DUP-1
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/16/20 00:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/17/20 11:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	12		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	47		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	57		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	0.97	J	ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	9.0		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2

Project Name: 33 CENTRE AVE **Lab Number:** L2038800

Project Number: 10567 **Report Date:** 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-03 D Date Collected: 09/16/20 00:00
Client ID: DUP-1 Date Received: 09/16/20
Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	14		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	2.0	J	ug/l	5.0	1.4	2
o-Xylene	1.5	J	ug/l	5.0	1.4	2
Xylenes, Total	3.5	J	ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	3.6	J	ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	3.6	J	ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	ND		ug/l	10	3.0	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	230		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	72		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2

Project Name: 33 CENTRE AVE
Lab Number: L2038800
Project Number: 10567
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-03 D
Client ID: DUP-1
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/16/20 00:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	ND		ug/l	4.0	1.4	2
p-Ethyltoluene	ND		ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	ND		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	105		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-04
Client ID: TRIP BLANK
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/16/20 00:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260C
Analytical Date: 09/17/20 10:22
Analyst: PD

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

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-04
Client ID: TRIP BLANK
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/16/20 00:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-04
Client ID: TRIP BLANK
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/16/20 00:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	99		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-05
Client ID: FIELD BLANK
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/16/20 13:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8260C
Analytical Date: 09/17/20 10:45
Analyst: PD

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

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-05
Client ID: FIELD BLANK
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/16/20 13:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-05
Client ID: FIELD BLANK
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/16/20 13:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	100		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/20 09:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1411201-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/20 09:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1411201-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/20 09:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1411201-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/20 09:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1411201-5					

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

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038800
Report Date: 09/24/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1411201-3 WG1411201-4								
Methylene chloride	90		92		70-130	2		20
1,1-Dichloroethane	93		94		70-130	1		20
Chloroform	93		97		70-130	4		20
Carbon tetrachloride	98		100		63-132	2		20
1,2-Dichloropropane	88		91		70-130	3		20
Dibromochloromethane	91		94		63-130	3		20
1,1,2-Trichloroethane	88		91		70-130	3		20
Tetrachloroethene	120		110		70-130	9		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	94		98		70-130	4		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	87		89		67-130	2		20
trans-1,3-Dichloropropene	84		86		70-130	2		20
cis-1,3-Dichloropropene	84		86		70-130	2		20
1,1-Dichloropropene	98		99		70-130	1		20
Bromoform	82		83		54-136	1		20
1,1,2,2-Tetrachloroethane	83		86		67-130	4		20
Benzene	95		96		70-130	1		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	76		79		64-130	4		20
Bromomethane	45		48		39-139	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038800
Report Date: 09/24/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1411201-3 WG1411201-4								
Vinyl chloride	94		98		55-140	4		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	97		99		70-130	2		20
Trichloroethene	94		95		70-130	1		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	83		88		63-130	6		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	98		100		70-130	2		20
Dibromomethane	89		92		70-130	3		20
1,2,3-Trichloropropane	87		92		64-130	6		20
Acrylonitrile	75		85		70-130	13		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	88		94		58-148	7		20
Carbon disulfide	100		99		51-130	1		20
2-Butanone	88		84		63-138	5		20
Vinyl acetate	81		86		70-130	6		20
4-Methyl-2-pentanone	72		78		59-130	8		20
2-Hexanone	70		78		57-130	11		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038800
Report Date: 09/24/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1411201-3 WG1411201-4								
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	99		100		63-133	1		20
1,2-Dibromoethane	92		95		70-130	3		20
1,3-Dichloropropane	98		100		70-130	2		20
1,1,1,2-Tetrachloroethane	98		98		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	110		100		70-130	10		20
tert-Butylbenzene	110		100		70-130	10		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		99		70-130	1		20
1,2-Dibromo-3-chloropropane	72		80		41-144	11		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	110		100		70-130	10		20
Naphthalene	74		82		70-130	10		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	84		91		70-130	8		20
1,2,4-Trichlorobenzene	96		99		70-130	3		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	88		102		56-162	15		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038800

Report Date: 09/24/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1411201-3 WG1411201-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	97		97		70-130	0		20
Ethyl ether	88		96		59-134	9		20
trans-1,4-Dichloro-2-butene	70		76		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		105		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	94		92		70-130
Dibromofluoromethane	101		100		70-130

SEMIVOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-01
Client ID: MW-208D
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/16/20 08:30
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/20 12:03
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/17/20 05:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	8080		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	39		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-01
Client ID: MW-208D
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/16/20 08:30
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/18/20 05:25
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 06:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	33.4		ng/l	1.98	0.403	1
Perfluoropentanoic Acid (PFPeA)	24.7		ng/l	1.98	0.391	1
Perfluorobutanesulfonic Acid (PFBS)	101		ng/l	1.98	0.235	1
Perfluorohexanoic Acid (PFHxA)	24.8		ng/l	1.98	0.324	1
Perfluoroheptanoic Acid (PFHpA)	27.1		ng/l	1.98	0.222	1
Perfluorohexanesulfonic Acid (PFHxS)	12.6		ng/l	1.98	0.372	1
Perfluorooctanoic Acid (PFOA)	139		ng/l	1.98	0.233	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	9.52	F	ng/l	1.98	1.32	1
Perfluoroheptanesulfonic Acid (PFHpS)	20.1		ng/l	1.98	0.680	1
Perfluorononanoic Acid (PFNA)	3.21		ng/l	1.98	0.308	1
Perfluorooctanesulfonic Acid (PFOS)	702	EF	ng/l	1.98	0.498	1
Perfluorodecanoic Acid (PFDA)	1.24	J	ng/l	1.98	0.300	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.98	1.20	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.98	0.640	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.98	0.257	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.98	0.968	1
Perfluorooctanesulfonamide (FOSA)	10.2	F	ng/l	1.98	0.573	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	9.36	F	ng/l	1.98	0.794	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.98	0.368	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.98	0.323	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.98	0.245	1
PFOA/PFOS, Total	718		ng/l	1.98	0.233	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-01
Client ID: MW-208D
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/16/20 08:30
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	83		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**170**	Q	31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**178**	Q	47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**245**	Q	1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	86		34-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**179**	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	59		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	56		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	60		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-01 RE
Client ID: MW-208D
Sample Location: NEW ROCHELLE, NY

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/20/20 02:09
Analyst: SG

Date Collected: 09/16/20 08:30
Date Received: 09/16/20
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 09/18/20 16:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonic Acid (PFOS)	579	F	ng/l	10.0	2.52	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		42-146

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-02
Client ID: MW-208S
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/16/20 10:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/20 12:25
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/17/20 05:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	2220		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	45		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-02
Client ID: MW-208S
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/16/20 10:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/18/20 05:42
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 06:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	14.4		ng/l	1.88	0.384	1
Perfluoropentanoic Acid (PFPeA)	18.1		ng/l	1.88	0.372	1
Perfluorobutanesulfonic Acid (PFBS)	37.5		ng/l	1.88	0.224	1
Perfluorohexanoic Acid (PFHxA)	15.8		ng/l	1.88	0.308	1
Perfluoroheptanoic Acid (PFHpA)	12.6		ng/l	1.88	0.212	1
Perfluorohexanesulfonic Acid (PFHxS)	6.55		ng/l	1.88	0.353	1
Perfluorooctanoic Acid (PFOA)	44.2		ng/l	1.88	0.222	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.88	1.25	1
Perfluoroheptanesulfonic Acid (PFHpS)	3.40		ng/l	1.88	0.647	1
Perfluorononanoic Acid (PFNA)	3.81		ng/l	1.88	0.293	1
Perfluorooctanesulfonic Acid (PFOS)	174	F	ng/l	1.88	0.474	1
Perfluorodecanoic Acid (PFDA)	1.17	J	ng/l	1.88	0.286	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.88	1.14	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.88	0.609	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.88	0.244	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.88	0.921	1
Perfluorooctanesulfonamide (FOSA)	3.21	F	ng/l	1.88	0.545	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	6.58	F	ng/l	1.88	0.756	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.88	0.350	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.88	0.308	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.88	0.233	1
PFOA/PFOS, Total	218		ng/l	1.88	0.222	1

Project Name: 33 CENTRE AVE
Lab Number: L2038800
Project Number: 10567
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-02
Client ID: MW-208S
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/16/20 10:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	93		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	79		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	172		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	112		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	59		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	77		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	64		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	56		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-03
Client ID: DUP-1
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/16/20 00:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/20 12:48
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/17/20 05:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	2280		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	38		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-03
Client ID: DUP-1
Sample Location: NEW ROCHELLE, NY

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/18/20 06:15
Analyst: JW

Date Collected: 09/16/20 00:00
Date Received: 09/16/20
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 06:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	14.7		ng/l	1.81	0.370	1
Perfluoropentanoic Acid (PFPeA)	18.3		ng/l	1.81	0.359	1
Perfluorobutanesulfonic Acid (PFBS)	32.9		ng/l	1.81	0.216	1
Perfluorohexanoic Acid (PFHxA)	16.4		ng/l	1.81	0.298	1
Perfluoroheptanoic Acid (PFHpA)	13.5		ng/l	1.81	0.204	1
Perfluorohexanesulfonic Acid (PFHxS)	6.97	F	ng/l	1.81	0.341	1
Perfluorooctanoic Acid (PFOA)	45.8		ng/l	1.81	0.214	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.81	1.21	1
Perfluoroheptanesulfonic Acid (PFHpS)	2.84		ng/l	1.81	0.624	1
Perfluorononanoic Acid (PFNA)	3.81		ng/l	1.81	0.283	1
Perfluorooctanesulfonic Acid (PFOS)	180	F	ng/l	1.81	0.457	1
Perfluorodecanoic Acid (PFDA)	1.32	J	ng/l	1.81	0.276	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.81	1.10	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.81	0.588	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.81	0.236	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.81	0.889	1
Perfluorooctanesulfonamide (FOSA)	3.78	F	ng/l	1.81	0.526	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	4.99	F	ng/l	1.81	0.729	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.81	0.337	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.81	0.297	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.81	0.225	1
PFOA/PFOS, Total	226		ng/l	1.81	0.214	1

Project Name: 33 CENTRE AVE
Lab Number: L2038800
Project Number: 10567
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-03
Client ID: DUP-1
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/16/20 00:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	90		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	176		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	117		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	63		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	78		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	83		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	62		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	56		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-05
Client ID: FIELD BLANK
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/16/20 13:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/20 13:11
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/17/20 05:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	40		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-05
Client ID: FIELD BLANK
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/16/20 13:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/18/20 06:32
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 06:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.81	0.369	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.81	0.359	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.81	0.216	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.81	0.297	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.81	0.204	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.81	0.340	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.81	0.214	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.81	1.21	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.81	0.623	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.81	0.282	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.81	0.456	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.81	0.275	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.81	1.10	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.81	0.587	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.81	0.235	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.81	0.887	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.81	0.525	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.81	0.728	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.81	0.337	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.81	0.296	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.81	0.224	1
PFOA/PFOS, Total	ND		ng/l	1.81	0.214	1

Project Name: 33 CENTRE AVE
Lab Number: L2038800
Project Number: 10567
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-05
Client ID: FIELD BLANK
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/16/20 13:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	126		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	107		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	106		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	55		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	49		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	68		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	69		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	81		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	76		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/20 08:43
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/17/20 05:30

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-03,05 Batch: WG1410930-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	50		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/18/20 03:46
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 06:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03,05 Batch: WG1410951-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/18/20 03:46
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 06:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03,05 Batch: WG1410951-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	100		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	116		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	104		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	101		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	55		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	54		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	84		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	76		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/20/20 02:43
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/18/20 16:46

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1411825-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	0.328	J	ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/20/20 02:43
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/18/20 16:46

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1411825-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	100		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	127		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	105		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	108		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	41		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	41		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	59		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	71		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	68		33-143

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038800

Report Date: 09/24/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab	Associated sample(s): 01-03,05		Batch: WG1410930-2		WG1410930-3			
1,4-Dioxane	112		114		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	54		53		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038800

Report Date: 09/24/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1410951-2 WG1410951-3								
Perfluorobutanoic Acid (PFBA)	100		103		67-148	3		30
Perfluoropentanoic Acid (PFPeA)	102		104		63-161	2		30
Perfluorobutanesulfonic Acid (PFBS)	97		101		65-157	4		30
Perfluorohexanoic Acid (PFHxA)	101		104		69-168	3		30
Perfluoroheptanoic Acid (PFHpA)	99		104		58-159	5		30
Perfluorohexanesulfonic Acid (PFHxS)	99		103		69-177	4		30
Perfluorooctanoic Acid (PFOA)	102		104		63-159	2		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	106		120		49-187	12		30
Perfluoroheptanesulfonic Acid (PFHpS)	103		103		61-179	0		30
Perfluorononanoic Acid (PFNA)	98		106		68-171	8		30
Perfluorooctanesulfonic Acid (PFOS)	110		112		52-151	2		30
Perfluorodecanoic Acid (PFDA)	102		102		63-171	0		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	115		110		56-173	4		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	114		100		60-166	13		30
Perfluoroundecanoic Acid (PFUnA)	103		104		60-153	1		30
Perfluorodecanesulfonic Acid (PFDS)	117		114		38-156	3		30
Perfluorooctanesulfonamide (FOSA)	102		97		46-170	5		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	104		106		45-170	2		30
Perfluorododecanoic Acid (PFDoA)	110		109		67-153	1		30
Perfluorotridecanoic Acid (PFTrDA)	109		113		48-158	4		30
Perfluorotetradecanoic Acid (PFTA)	97		100		59-182	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038800

Report Date: 09/24/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1410951-2 WG1410951-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		97		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115		114		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	108		101		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	102		100		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		96		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		101		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		96		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	62		56		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		93		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		99		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		94		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	57		57		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70		75		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		94		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	72		74		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	89		82		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	87		83		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	76		74		33-143

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038800
Report Date: 09/24/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1411825-2 WG1411825-3								
Perfluorobutanoic Acid (PFBA)	96		105		67-148	9		30
Perfluoropentanoic Acid (PFPeA)	99		109		63-161	10		30
Perfluorobutanesulfonic Acid (PFBS)	98		106		65-157	8		30
Perfluorohexanoic Acid (PFHxA)	96		107		69-168	11		30
Perfluoroheptanoic Acid (PFHpA)	93		103		58-159	10		30
Perfluorohexanesulfonic Acid (PFHxS)	95		106		69-177	11		30
Perfluorooctanoic Acid (PFOA)	94		103		63-159	9		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	101		110		49-187	9		30
Perfluoroheptanesulfonic Acid (PFHpS)	97		104		61-179	7		30
Perfluorononanoic Acid (PFNA)	100		108		68-171	8		30
Perfluorooctanesulfonic Acid (PFOS)	106		113		52-151	6		30
Perfluorodecanoic Acid (PFDA)	91		102		63-171	11		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	110		119		56-173	8		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	96		114		60-166	17		30
Perfluoroundecanoic Acid (PFUnA)	100		109		60-153	9		30
Perfluorodecanesulfonic Acid (PFDS)	117		123		38-156	5		30
Perfluorooctanesulfonamide (FOSA)	89		99		46-170	11		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	104		102		45-170	2		30
Perfluorododecanoic Acid (PFDoA)	97		108		67-153	11		30
Perfluorotridecanoic Acid (PFTrDA)	93		104		48-158	11		30
Perfluorotetradecanoic Acid (PFTA)	107		121		59-182	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038800

Report Date: 09/24/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1411825-2 WG1411825-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		94		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	128		119		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106		93		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	107		97		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	110		101		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110		99		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	106		97		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	47		44		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		98		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		96		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		92		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	48		44		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	61		56		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102		95		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	74		63		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68		68		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		88		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		68		33-143

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038800
Report Date: 09/24/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1410951-5 QC Sample: L2038800-02 Client ID: MW-208S						
Perfluorobutanoic Acid (PFBA)	14.4	14.4	ng/l	0		30
Perfluoropentanoic Acid (PFPeA)	18.1	18.2	ng/l	1		30
Perfluorobutanesulfonic Acid (PFBS)	37.5	33.4	ng/l	12		30
Perfluorohexanoic Acid (PFHxA)	15.8	15.9	ng/l	1		30
Perfluoroheptanoic Acid (PFHpA)	12.6	13.0	ng/l	3		30
Perfluorohexanesulfonic Acid (PFHxS)	6.55	6.84F	ng/l	4		30
Perfluorooctanoic Acid (PFOA)	44.2	45.8	ng/l	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	3.40	3.57	ng/l	5		30
Perfluorononanoic Acid (PFNA)	3.81	3.70	ng/l	3		30
Perfluorooctanesulfonic Acid (PFOS)	174F	186F	ng/l	7		30
Perfluorodecanoic Acid (PFDA)	1.17J	1.28J	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	3.21F	3.54F	ng/l	10		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	6.58F	5.08F	ng/l	26		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038800
Report Date: 09/24/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1410951-5 QC Sample: L2038800-02 Client ID: MW-208S						
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
PFOA/PFOS, Total	218	232	ng/l	6		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		95		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	93		94		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		102		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	79		81		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		97		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		111		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		93		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	172		167		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		95		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		95		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		88		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	112		118		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	59		59		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	77		77		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30		33		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		86		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	64		59		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	56		53		33-143

METALS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-01
Client ID: MW-208D
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/16/20 08:30
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	107.		mg/l	0.100	0.0327	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Antimony, Total	0.00453	J	mg/l	0.04000	0.00429	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Arsenic, Total	0.01481		mg/l	0.00500	0.00165	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Barium, Total	3.043		mg/l	0.00500	0.00173	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Beryllium, Total	0.07649		mg/l	0.00500	0.00107	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00123	J	mg/l	0.00200	0.00059	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Calcium, Total	1620		mg/l	1.00	0.394	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Chromium, Total	1.945		mg/l	0.01000	0.00178	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Cobalt, Total	0.1718		mg/l	0.00500	0.00163	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Copper, Total	4.035		mg/l	0.01000	0.00384	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Iron, Total	379.		mg/l	0.500	0.191	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Lead, Total	0.1812		mg/l	0.01000	0.00343	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Magnesium, Total	485.		mg/l	0.700	0.242	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Manganese, Total	19.62		mg/l	0.01000	0.00440	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Mercury, Total	0.00014	J	mg/l	0.00020	0.00009	1	09/17/20 08:40	09/17/20 11:41	EPA 7470A	1,7470A	EW
Nickel, Total	4.472		mg/l	0.02000	0.00556	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Potassium, Total	222.		mg/l	1.00	0.309	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.0500	0.0173	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Silver, Total	0.00170	J	mg/l	0.00400	0.00163	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Sodium, Total	310.		mg/l	1.00	0.293	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Thallium, Total	0.00285	J	mg/l	0.00500	0.00143	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Vanadium, Total	0.2197		mg/l	0.05000	0.01570	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM
Zinc, Total	2.173		mg/l	0.1000	0.03410	10	09/17/20 08:05	09/17/20 12:14	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-02
Client ID: MW-208S
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/16/20 10:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0394		mg/l	0.0100	0.00327	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00061		mg/l	0.00050	0.00016	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Barium, Total	0.1041		mg/l	0.00050	0.00017	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Calcium, Total	191.		mg/l	0.100	0.0394	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Cobalt, Total	0.01014		mg/l	0.00050	0.00016	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Copper, Total	0.00049	J	mg/l	0.00100	0.00038	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Iron, Total	36.8		mg/l	0.0500	0.0191	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Magnesium, Total	78.4		mg/l	0.0700	0.0242	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Manganese, Total	3.493		mg/l	0.00100	0.00044	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/17/20 08:40	09/17/20 11:35	EPA 7470A	1,7470A	EW
Nickel, Total	0.7278		mg/l	0.00200	0.00055	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Potassium, Total	17.0		mg/l	0.100	0.0309	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Sodium, Total	340.		mg/l	0.100	0.0293	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM
Zinc, Total	0.00844	J	mg/l	0.01000	0.00341	1	09/17/20 08:05	09/17/20 12:19	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-03
Client ID: DUP-1
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Water

Date Collected: 09/16/20 00:00
Date Received: 09/16/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0204		mg/l	0.0100	0.00327	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Antimony, Total	0.00049	J	mg/l	0.00400	0.00042	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00059		mg/l	0.00050	0.00016	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Barium, Total	0.1002		mg/l	0.00050	0.00017	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Calcium, Total	190.		mg/l	0.100	0.0394	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00984		mg/l	0.00050	0.00016	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Copper, Total	0.00043	J	mg/l	0.00100	0.00038	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Iron, Total	37.9		mg/l	0.0500	0.0191	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Magnesium, Total	78.2		mg/l	0.0700	0.0242	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Manganese, Total	3.468		mg/l	0.00100	0.00044	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/17/20 08:40	09/17/20 11:43	EPA 7470A	1,7470A	EW
Nickel, Total	0.7293		mg/l	0.00200	0.00055	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Potassium, Total	16.5		mg/l	0.100	0.0309	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Sodium, Total	324.		mg/l	0.100	0.0293	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Thallium, Total	0.00019	J	mg/l	0.00050	0.00014	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM
Zinc, Total	0.00862	J	mg/l	0.01000	0.00341	1	09/17/20 08:05	09/17/20 12:09	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Lab Number: L2038800
Project Number: 10567
Report Date: 09/24/20

SAMPLE RESULTS

Lab ID: L2038800-05
Client ID: FIELD BLANK
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/16/20 13:00
Date Received: 09/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Antimony, Total	0.00251	J	mg/l	0.00400	0.00042	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Calcium, Total	0.0496	J	mg/l	0.100	0.0394	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/17/20 08:40	09/17/20 11:45	EPA 7470A	1,7470A	EW
Nickel, Total	ND		mg/l	0.00200	0.00055	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Sodium, Total	0.204		mg/l	0.100	0.0293	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Thallium, Total	0.00018	J	mg/l	0.00050	0.00014	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	09/17/20 08:05	09/17/20 11:49	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03,05 Batch: WG1410976-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/17/20 08:40	09/17/20 11:26	1,7470A	EW

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03,05 Batch: WG1410977-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	09/17/20 08:05	09/17/20 11:39	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038800
Report Date: 09/24/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038800

Report Date: 09/24/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1410976-2								
Mercury, Total	103		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038800

Report Date: 09/24/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1410977-2					
Aluminum, Total	107	-	80-120	-	
Antimony, Total	100	-	80-120	-	
Arsenic, Total	110	-	80-120	-	
Barium, Total	108	-	80-120	-	
Beryllium, Total	106	-	80-120	-	
Cadmium, Total	112	-	80-120	-	
Calcium, Total	104	-	80-120	-	
Chromium, Total	101	-	80-120	-	
Cobalt, Total	102	-	80-120	-	
Copper, Total	104	-	80-120	-	
Iron, Total	103	-	80-120	-	
Lead, Total	110	-	80-120	-	
Magnesium, Total	107	-	80-120	-	
Manganese, Total	103	-	80-120	-	
Nickel, Total	99	-	80-120	-	
Potassium, Total	106	-	80-120	-	
Selenium, Total	112	-	80-120	-	
Silver, Total	109	-	80-120	-	
Sodium, Total	104	-	80-120	-	
Thallium, Total	105	-	80-120	-	
Vanadium, Total	100	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038800

Report Date: 09/24/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 Batch: WG1410977-2					
Zinc, Total	113	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038800
Report Date: 09/24/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1410976-3 QC Sample: L2038800-02 Client ID: MW-208S												
Mercury, Total	ND	0.005	0.00541	108		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038800
Report Date: 09/24/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1410977-3 QC Sample: L2038800-03 Client ID: DUP-1										
Aluminum, Total	0.0204	2	2.17	107		-	-	75-125	-	20
Antimony, Total	0.00049J	0.5	0.5828	116		-	-	75-125	-	20
Arsenic, Total	0.00059	0.12	0.1386	115		-	-	75-125	-	20
Barium, Total	0.1002	2	2.309	110		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05574	111		-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.05725	112		-	-	75-125	-	20
Calcium, Total	190.	10	206	**160**	Q	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.2004	100		-	-	75-125	-	20
Cobalt, Total	0.00984	0.5	0.5183	102		-	-	75-125	-	20
Copper, Total	0.00043J	0.25	0.2618	105		-	-	75-125	-	20
Iron, Total	37.9	1	38.7	80		-	-	75-125	-	20
Lead, Total	ND	0.51	0.5798	114		-	-	75-125	-	20
Magnesium, Total	78.2	10	86.1	79		-	-	75-125	-	20
Manganese, Total	3.468	0.5	4.076	122		-	-	75-125	-	20
Nickel, Total	0.7293	0.5	1.258	106		-	-	75-125	-	20
Potassium, Total	16.5	10	26.8	103		-	-	75-125	-	20
Selenium, Total	ND	0.12	0.141	118		-	-	75-125	-	20
Silver, Total	ND	0.05	0.05427	108		-	-	75-125	-	20
Sodium, Total	324.	10	324	**0**	Q	-	-	75-125	-	20
Thallium, Total	0.00019J	0.12	0.1276	106		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.5114	102		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038800
Report Date: 09/24/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1410977-3 QC Sample: L2038800-03 Client ID: DUP-1									
Zinc, Total	0.00862J	0.5	0.5668	113	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038800
Report Date: 09/24/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1410976-4 QC Sample: L2038800-02 Client ID: MW-208S						
Mercury, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038800
Report Date: 09/24/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1410977-4 QC Sample: L2038800-03 Client ID: DUP-1					
Aluminum, Total	0.0204	0.0206	mg/l	1	20
Antimony, Total	0.00049J	0.00095J	mg/l	NC	20
Arsenic, Total	0.00059	0.00069	mg/l	14	20
Barium, Total	0.1002	0.1046	mg/l	4	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	190.	198	mg/l	4	20
Chromium, Total	ND	ND	mg/l	NC	20
Cobalt, Total	0.00984	0.01021	mg/l	4	20
Copper, Total	0.00043J	0.00038J	mg/l	NC	20
Iron, Total	37.9	39.3	mg/l	4	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	78.2	80.7	mg/l	3	20
Manganese, Total	3.468	3.652	mg/l	5	20
Nickel, Total	0.7293	0.7586	mg/l	4	20
Potassium, Total	16.5	17.2	mg/l	4	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	324.	334	mg/l	3	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038800

Report Date: 09/24/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,05 QC Batch ID: WG1410977-4 QC Sample: L2038800-03 Client ID: DUP-1					
Thallium, Total	0.00019J	0.00054	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.00862J	0.00884J	mg/l	NC	20

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038800
Report Date: 09/24/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2038800-01A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2038800-01B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2038800-01C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2038800-01D	Plastic 250ml unpreserved	A	NA		3.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038800-01E	Plastic 250ml unpreserved	A	NA		3.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038800-01F	Plastic 250ml HNO3 preserved	A	7	<2	3.8	N	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),AL-6020T(180),MG-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L2038800-01G	Amber 250ml unpreserved	A	10	10	3.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038800-01H	Amber 250ml unpreserved	A	10	10	3.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038800-02A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2038800-02B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2038800-02C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2038800-02D	Plastic 250ml unpreserved	A	NA		3.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038800-02E	Plastic 250ml unpreserved	A	NA		3.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038800-02F	Plastic 250ml HNO3 preserved	A	<2	<2	3.8	Y	Absent		BA-6020T(180),FE-6020T(180),TL-6020T(180),SE-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),HG-T(28),AL-6020T(180),AG-6020T(180),CD-6020T(180),MG-6020T(180),CO-6020T(180)
L2038800-02G	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038800
Report Date: 09/24/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2038800-02H	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038800-03A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2038800-03B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2038800-03C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2038800-03D	Plastic 250ml unpreserved	A	NA		3.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038800-03E	Plastic 250ml unpreserved	A	NA		3.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038800-03F	Plastic 250ml HNO3 preserved	A	<2	<2	3.8	Y	Absent		TL-6020T(180),FE-6020T(180),SE-6020T(180),BA-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AG-6020T(180),MG-6020T(180),CD-6020T(180),AL-6020T(180),HG-T(28),CO-6020T(180)
L2038800-03G	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038800-03H	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038800-04A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2038800-04B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2038800-05A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2038800-05B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2038800-05C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2038800-05D	Plastic 250ml unpreserved	A	NA		3.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038800-05E	Plastic 250ml HNO3 preserved	A	<2	<2	3.8	Y	Absent		BA-6020T(180),SE-6020T(180),TL-6020T(180),FE-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),HG-T(28),AG-6020T(180),CD-6020T(180),AL-6020T(180),MG-6020T(180),CO-6020T(180)
L2038800-05F	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038800-05G	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038800
Report Date: 09/24/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038800
Project Number:	10567	**Report Date:**	09/24/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038800
Project Number:	10567	**Report Date:**	09/24/20

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038800
Project Number:	10567	**Report Date:**	09/24/20

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038800
Project Number:	10567	**Report Date:**	09/24/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 09/17/20

ALPHA Job #: L2038800

Client Information
Client: SGSV
Address: 12a Maple Ave, Pine Brook NJ
Phone: 973-808-9090
Fax:
Email: JANE@SGSV.ORG

Project Information
Project Name: 33 Center Ave
Project Location: New Rochelle NY
Project #: 10567:4
(Use Project name as Project #)
Project Manager: Jesse Mansmer
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ 24 Hr # of Days:

Deliverables
☐ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other Cat B

Regulatory Requirement
☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☐ Other NYTOGS & AWQ Standards

Billing Information
☐ Same as Client Info
PO #

Site Information
Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

For EPH, selection is REQUIRED:
☐ Category 1
☐ Category 2

For VOC, selection is REQUIRED:
☐ 1,4-Dioxane
☐ 8011

Other project specific requirements/comments:
24Hr except PFAAS

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL Metals & Hg	TCL VOCs	1,4-Dioxane	PFAAS	Sample Specific Comments
38800-01	MW-208D	9-16-20	8:30	GW	JRN	X	X	X	X	
-02	MW-208S	↓	10:00	GW		X	X	X	X	
-03	Dup-1					X	X	X	X	
-04	Trip Blank						X		X	
-05	Field Blank	↓			↓	X	X	X	X	
		JRN								

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type								
Preservative								

Relinquished By:	Date/Time	Received By:	Date/Time
John Norgard	9/16/20 1810	[illegible] (AAL)	9/16/20 1810
[illegible] (AAL)	9/16/2020 1900	[illegible]	9/16/20 2000
[illegible]	9/17/2020	[illegible]	9/17/20 00:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2038903
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	33 CENTRE AVE
Project Number:	10567
Report Date:	09/18/20

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

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

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

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038903
Report Date: 09/18/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2038903-01	MW 210 D	WATER	NEW ROCHELLE, NY	09/17/20 10:00	09/17/20
L2038903-02	MW 210 I	WATER	NEW ROCHELLE, NY	09/17/20 09:45	09/17/20

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038903
Project Number:	10567	**Report Date:**	09/18/20

Case Narrative

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

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

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

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

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

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

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038903
Project Number:	10567	**Report Date:**	09/18/20

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 09/18/20

ORGANICS

VOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038903
Report Date: 09/18/20

SAMPLE RESULTS

Lab ID: L2038903-01 D
Client ID: MW 210 D
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/17/20 10:00
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/18/20 10:18
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	250	70.	100
1,1-Dichloroethane	330		ug/l	250	70.	100
Chloroform	ND		ug/l	250	70.	100
Carbon tetrachloride	ND		ug/l	50	13.	100
1,2-Dichloropropane	ND		ug/l	100	14.	100
Dibromochloromethane	ND		ug/l	50	15.	100
1,1,2-Trichloroethane	ND		ug/l	150	50.	100
Tetrachloroethene	ND		ug/l	50	18.	100
Chlorobenzene	ND		ug/l	250	70.	100
Trichlorofluoromethane	ND		ug/l	250	70.	100
1,2-Dichloroethane	20	J	ug/l	50	13.	100
1,1,1-Trichloroethane	13000		ug/l	250	70.	100
Bromodichloromethane	ND		ug/l	50	19.	100
trans-1,3-Dichloropropene	ND		ug/l	50	16.	100
cis-1,3-Dichloropropene	ND		ug/l	50	14.	100
1,3-Dichloropropene, Total	ND		ug/l	50	14.	100
1,1-Dichloropropene	ND		ug/l	250	70.	100
Bromoform	ND		ug/l	200	65.	100
1,1,2,2-Tetrachloroethane	ND		ug/l	50	17.	100
Benzene	ND		ug/l	50	16.	100
Toluene	ND		ug/l	250	70.	100
Ethylbenzene	ND		ug/l	250	70.	100
Chloromethane	ND		ug/l	250	70.	100
Bromomethane	ND		ug/l	250	70.	100
Vinyl chloride	ND		ug/l	100	7.1	100
Chloroethane	ND		ug/l	250	70.	100
1,1-Dichloroethene	2100		ug/l	50	17.	100
trans-1,2-Dichloroethene	ND		ug/l	250	70.	100

Project Name: 33 CENTRE AVE **Lab Number:** L2038903

Project Number: 10567 **Report Date:** 09/18/20

SAMPLE RESULTS

Lab ID: L2038903-01 D Date Collected: 09/17/20 10:00
Client ID: MW 210 D Date Received: 09/17/20
Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1100		ug/l	50	18.	100
1,2-Dichlorobenzene	ND		ug/l	250	70.	100
1,3-Dichlorobenzene	ND		ug/l	250	70.	100
1,4-Dichlorobenzene	ND		ug/l	250	70.	100
Methyl tert butyl ether	ND		ug/l	250	70.	100
p/m-Xylene	ND		ug/l	250	70.	100
o-Xylene	ND		ug/l	250	70.	100
Xylenes, Total	ND		ug/l	250	70.	100
cis-1,2-Dichloroethene	ND		ug/l	250	70.	100
1,2-Dichloroethene, Total	ND		ug/l	250	70.	100
Dibromomethane	ND		ug/l	500	100	100
1,2,3-Trichloropropane	ND		ug/l	250	70.	100
Acrylonitrile	ND		ug/l	500	150	100
Styrene	ND		ug/l	250	70.	100
Dichlorodifluoromethane	ND		ug/l	500	100	100
Acetone	ND		ug/l	500	150	100
Carbon disulfide	ND		ug/l	500	100	100
2-Butanone	ND		ug/l	500	190	100
Vinyl acetate	ND		ug/l	500	100	100
4-Methyl-2-pentanone	ND		ug/l	500	100	100
2-Hexanone	ND		ug/l	500	100	100
Bromochloromethane	ND		ug/l	250	70.	100
2,2-Dichloropropane	ND		ug/l	250	70.	100
1,2-Dibromoethane	ND		ug/l	200	65.	100
1,3-Dichloropropane	ND		ug/l	250	70.	100
1,1,1,2-Tetrachloroethane	ND		ug/l	250	70.	100
Bromobenzene	ND		ug/l	250	70.	100
n-Butylbenzene	ND		ug/l	250	70.	100
sec-Butylbenzene	ND		ug/l	250	70.	100
tert-Butylbenzene	ND		ug/l	250	70.	100
o-Chlorotoluene	ND		ug/l	250	70.	100
p-Chlorotoluene	ND		ug/l	250	70.	100
1,2-Dibromo-3-chloropropane	ND		ug/l	250	70.	100
Hexachlorobutadiene	ND		ug/l	250	70.	100
Isopropylbenzene	ND		ug/l	250	70.	100
p-Isopropyltoluene	ND		ug/l	250	70.	100
Naphthalene	ND		ug/l	250	70.	100

Project Name: 33 CENTRE AVE
Lab Number: L2038903
Project Number: 10567
Report Date: 09/18/20

SAMPLE RESULTS

Lab ID: L2038903-01 D
Client ID: MW 210 D
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/17/20 10:00
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	250	70.	100
1,2,3-Trichlorobenzene	ND		ug/l	250	70.	100
1,2,4-Trichlorobenzene	ND		ug/l	250	70.	100
1,3,5-Trimethylbenzene	ND		ug/l	250	70.	100
1,2,4-Trimethylbenzene	ND		ug/l	250	70.	100
1,4-Dioxane	ND		ug/l	25000	6100	100
p-Diethylbenzene	ND		ug/l	200	70.	100
p-Ethyltoluene	ND		ug/l	200	70.	100
1,2,4,5-Tetramethylbenzene	ND		ug/l	200	54.	100
Ethyl ether	ND		ug/l	250	70.	100
trans-1,4-Dichloro-2-butene	ND		ug/l	250	70.	100
Tentatively Identified Compounds						
Total TIC Compounds	259	J	ug/l			100
Unknown	259	J	ug/l			100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	106		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038903
Report Date: 09/18/20

SAMPLE RESULTS

Lab ID: L2038903-02 D
Client ID: MW 210 I
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/17/20 09:45
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/18/20 10:44
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	62	18.	25
1,1-Dichloroethane	160		ug/l	62	18.	25
Chloroform	ND		ug/l	62	18.	25
Carbon tetrachloride	ND		ug/l	12	3.4	25
1,2-Dichloropropane	ND		ug/l	25	3.4	25
Dibromochloromethane	ND		ug/l	12	3.7	25
1,1,2-Trichloroethane	ND		ug/l	38	12.	25
Tetrachloroethene	15		ug/l	12	4.5	25
Chlorobenzene	ND		ug/l	62	18.	25
Trichlorofluoromethane	ND		ug/l	62	18.	25
1,2-Dichloroethane	7.2	J	ug/l	12	3.3	25
1,1,1-Trichloroethane	4200		ug/l	62	18.	25
Bromodichloromethane	ND		ug/l	12	4.8	25
trans-1,3-Dichloropropene	ND		ug/l	12	4.1	25
cis-1,3-Dichloropropene	ND		ug/l	12	3.6	25
1,3-Dichloropropene, Total	ND		ug/l	12	3.6	25
1,1-Dichloropropene	ND		ug/l	62	18.	25
Bromoform	ND		ug/l	50	16.	25
1,1,2,2-Tetrachloroethane	ND		ug/l	12	4.2	25
Benzene	ND		ug/l	12	4.0	25
Toluene	22	J	ug/l	62	18.	25
Ethylbenzene	ND		ug/l	62	18.	25
Chloromethane	ND		ug/l	62	18.	25
Bromomethane	ND		ug/l	62	18.	25
Vinyl chloride	ND		ug/l	25	1.8	25
Chloroethane	ND		ug/l	62	18.	25
1,1-Dichloroethene	1200		ug/l	12	4.2	25
trans-1,2-Dichloroethene	ND		ug/l	62	18.	25

Project Name: 33 CENTRE AVE
Lab Number: L2038903
Project Number: 10567
Report Date: 09/18/20

SAMPLE RESULTS

Lab ID: L2038903-02 D
Client ID: MW 210 I
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/17/20 09:45
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	3200		ug/l	12	4.4	25
1,2-Dichlorobenzene	ND		ug/l	62	18.	25
1,3-Dichlorobenzene	ND		ug/l	62	18.	25
1,4-Dichlorobenzene	ND		ug/l	62	18.	25
Methyl tert butyl ether	ND		ug/l	62	18.	25
p/m-Xylene	ND		ug/l	62	18.	25
o-Xylene	ND		ug/l	62	18.	25
Xylenes, Total	ND		ug/l	62	18.	25
cis-1,2-Dichloroethene	ND		ug/l	62	18.	25
1,2-Dichloroethene, Total	ND		ug/l	62	18.	25
Dibromomethane	ND		ug/l	120	25.	25
1,2,3-Trichloropropane	ND		ug/l	62	18.	25
Acrylonitrile	ND		ug/l	120	38.	25
Styrene	ND		ug/l	62	18.	25
Dichlorodifluoromethane	ND		ug/l	120	25.	25
Acetone	ND		ug/l	120	36.	25
Carbon disulfide	ND		ug/l	120	25.	25
2-Butanone	ND		ug/l	120	48.	25
Vinyl acetate	ND		ug/l	120	25.	25
4-Methyl-2-pentanone	ND		ug/l	120	25.	25
2-Hexanone	ND		ug/l	120	25.	25
Bromochloromethane	ND		ug/l	62	18.	25
2,2-Dichloropropane	ND		ug/l	62	18.	25
1,2-Dibromoethane	ND		ug/l	50	16.	25
1,3-Dichloropropane	ND		ug/l	62	18.	25
1,1,1,2-Tetrachloroethane	ND		ug/l	62	18.	25
Bromobenzene	ND		ug/l	62	18.	25
n-Butylbenzene	ND		ug/l	62	18.	25
sec-Butylbenzene	ND		ug/l	62	18.	25
tert-Butylbenzene	ND		ug/l	62	18.	25
o-Chlorotoluene	ND		ug/l	62	18.	25
p-Chlorotoluene	ND		ug/l	62	18.	25
1,2-Dibromo-3-chloropropane	ND		ug/l	62	18.	25
Hexachlorobutadiene	ND		ug/l	62	18.	25
Isopropylbenzene	ND		ug/l	62	18.	25
p-Isopropyltoluene	ND		ug/l	62	18.	25
Naphthalene	ND		ug/l	62	18.	25

Project Name: 33 CENTRE AVE
Lab Number: L2038903
Project Number: 10567
Report Date: 09/18/20

SAMPLE RESULTS

Lab ID: L2038903-02 D
Client ID: MW 210 I
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/17/20 09:45
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	62	18.	25
1,2,3-Trichlorobenzene	ND		ug/l	62	18.	25
1,2,4-Trichlorobenzene	ND		ug/l	62	18.	25
1,3,5-Trimethylbenzene	ND		ug/l	62	18.	25
1,2,4-Trimethylbenzene	ND		ug/l	62	18.	25
1,4-Dioxane	ND		ug/l	6200	1500	25
p-Diethylbenzene	ND		ug/l	50	18.	25
p-Ethyltoluene	ND		ug/l	50	18.	25
1,2,4,5-Tetramethylbenzene	ND		ug/l	50	14.	25
Ethyl ether	ND		ug/l	62	18.	25
trans-1,4-Dichloro-2-butene	ND		ug/l	62	18.	25

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	106		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038903
Report Date: 09/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/20 08:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1411648-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038903
Report Date: 09/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/20 08:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1411648-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038903
Report Date: 09/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/20 08:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1411648-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	0.71	J	ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds			
Total TIC Compounds	1.97	J	ug/l
Unknown	1.97	J	ug/l

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038903
Report Date: 09/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/20 08:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1411648-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038903

Report Date: 09/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1411648-3 WG1411648-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	120		110		70-130	9		20
1,1,1-Trichloroethane	120		120		67-130	0		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	110		100		70-130	10		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	99		100		54-136	1		20
1,1,2,2-Tetrachloroethane	98		100		67-130	2		20
Benzene	110		110		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	**140**	Q	**140**	Q	39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038903

Report Date: 09/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1411648-3 WG1411648-4								
Vinyl chloride	100		110		55-140	10		20
Chloroethane	97		100		55-138	3		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	97		100		70-130	3		20
1,3-Dichlorobenzene	96		110		70-130	14		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	110		100		63-130	10		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	110		110		70-130	0		20
1,2,3-Trichloropropane	98		97		64-130	1		20
Acrylonitrile	110		110		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	100		92		58-148	8		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	110		110		63-138	0		20
Vinyl acetate	120		120		70-130	0		20
4-Methyl-2-pentanone	100		99		59-130	1		20
2-Hexanone	100		100		57-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038903

Report Date: 09/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1411648-3 WG1411648-4								
Bromochloromethane	120		110		70-130	9		20
2,2-Dichloropropane	**140**	Q	**140**	Q	63-133	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	110		100		64-130	10		20
Bromobenzene	95		99		70-130	4		20
n-Butylbenzene	98		100		53-136	2		20
sec-Butylbenzene	98		98		70-130	0		20
tert-Butylbenzene	100		110		70-130	10		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	92		94		41-144	2		20
Hexachlorobutadiene	93		95		63-130	2		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	79		88		70-130	11		20
Naphthalene	94		97		70-130	3		20
n-Propylbenzene	100		110		69-130	10		20
1,2,3-Trichlorobenzene	90		93		70-130	3		20
1,2,4-Trichlorobenzene	94		97		70-130	3		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	76		64		56-162	17		20
p-Diethylbenzene	93		95		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038903
Report Date: 09/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1411648-3 WG1411648-4								
p-Ethyltoluene	100		110		70-130	10		20
1,2,4,5-Tetramethylbenzene	91		93		70-130	2		20
Ethyl ether	110		110		59-134	0		20
trans-1,4-Dichloro-2-butene	120		120		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		106		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	104		103		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038903
Report Date: 09/18/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2038903-01A	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260(14)
L2038903-01B	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260(14)
L2038903-01C	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260(14)
L2038903-02A	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260(14)
L2038903-02B	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260(14)
L2038903-02C	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038903
Project Number:	10567	**Report Date:**	09/18/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038903
Project Number:	10567	**Report Date:**	09/18/20

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038903
Project Number:	10567	**Report Date:**	09/18/20

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038903
Project Number:	10567	**Report Date:**	09/18/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 9/17/20

ALPHA Job #: L2038903

Client Information
Client: SESI
Address: 12A Maple Ave
Pine Brook NJ
Phone: 973 808 9050
Fax:
Email: Pdl@sesi.org

Project Information
Project Name: 33 Center Ave
Project Location: New Rochelle, NY
Project # 10567 Ph 4
(Use Project name as Project #) ☐
Project Manager: Jesse Mossner
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☑ 24hr # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☑ Other CAT-B

Regulatory Requirement
☑ NY TOGS ☐ NY Part 375
☑ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC / TCL	Sample Specific Comments	Total Bottle
38903-01	MW 210 D	9/17/20	10:00	GW	MZ	✓		
-02	MW 210 E	9/17/20	9:45	GW	MZ	✓		

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	9/17/20 1230	D Santos AP	9/17/20 1230
D Santos AP	9/17/20 1400	Paul Mazzella	9/17/20 1640
Paul Mazzella	9/17/20 2115		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2038904
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	33 CENTRE AVE
Project Number:	10567
Report Date:	09/25/20

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

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

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

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038904
Report Date: 09/25/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2038904-01	MW-205D	WATER	NEW ROCHELLE, NY	09/17/20 08:45	09/17/20
L2038904-02	MW-205S	WATER	NEW ROCHELLE, NY	09/17/20 10:20	09/17/20
L2038904-03	TRIP BLANK	TRIP BLANK (AQUEOUS)	NEW ROCHELLE, NY	09/17/20 00:00	09/17/20
L2038904-04	FIELD BLANK	FIELD BLANK	NEW ROCHELLE, NY	09/17/20 10:30	09/17/20

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038904
Project Number:	10567	**Report Date:**	09/25/20

Case Narrative

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

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

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

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

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

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

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038904
Project Number:	10567	**Report Date:**	09/25/20

Case Narrative (continued)

Report Submission

September 25, 2020: This final report includes the results of all requested analyses.

September 21, 2020: This preliminary report includes the results of the 1,4-Dioxane by 8270-SIM analysis performed on L2038904-01, -02, and -04.

September 18, 2020: This is a preliminary report.

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

Perfluorinated Alkyl Acids by Isotope Dilution

L2038904-02 and WG1411533-5: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2038904-02: The sample was re-extracted on dilution in order to quantify the results within the calibration range. The results should be considered estimated, and are qualified with an E flag, for any compound that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

L2038904-02RE: Please note, the PFAS value is obtained from the original analysis for PFAS/PFOS, Total calculation

WG1411533-5: The results should be considered estimated, and are qualified with an E flag, for any compound that exceeded the calibration range in the initial analysis.

The WG1411533-5 Laboratory Duplicate RPD for perfluoroheptanesulfonic acid (pfhps) (32%), performed on L2038904-02, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

Total Metals

L2038904-04: The Field Blank has a result for sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038904
Project Number:	10567	**Report Date:**	09/25/20

Case Narrative (continued)

for carry over.

The WG1411525-3 MS recoveries for calcium (180%), iron (140%) and sodium (10%), performed on L2038904-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 09/25/20

ORGANICS

VOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-01 D
Client ID: MW-205D
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/17/20 08:45
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/18/20 09:15
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	15		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	280		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	230		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
1,3-Dichloropropene, Total	ND		ug/l	2.5	0.72	5
1,1-Dichloropropene	ND		ug/l	12	3.5	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	1.2	J	ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	15		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-01 D
Client ID: MW-205D
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/17/20 08:45
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	36		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	4.4	J	ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
Xylenes, Total	4.4	J	ug/l	12	3.5	5
cis-1,2-Dichloroethene	7.6	J	ug/l	12	3.5	5
1,2-Dichloroethene, Total	7.6	J	ug/l	12	3.5	5
Dibromomethane	ND		ug/l	25	5.0	5
1,2,3-Trichloropropane	ND		ug/l	12	3.5	5
Acrylonitrile	ND		ug/l	25	7.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	480		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	180		ug/l	25	9.7	5
Vinyl acetate	ND		ug/l	25	5.0	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
2,2-Dichloropropane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,3-Dichloropropane	ND		ug/l	12	3.5	5
1,1,1,2-Tetrachloroethane	ND		ug/l	12	3.5	5
Bromobenzene	ND		ug/l	12	3.5	5
n-Butylbenzene	ND		ug/l	12	3.5	5
sec-Butylbenzene	ND		ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
o-Chlorotoluene	ND		ug/l	12	3.5	5
p-Chlorotoluene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Hexachlorobutadiene	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
p-Isopropyltoluene	ND		ug/l	12	3.5	5
Naphthalene	ND		ug/l	12	3.5	5

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-01 D
Client ID: MW-205D
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/17/20 08:45
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	ND		ug/l	12	3.5	5
1,2,4-Trimethylbenzene	ND		ug/l	12	3.5	5
1,4-Dioxane	ND		ug/l	1200	300	5
p-Diethylbenzene	ND		ug/l	10	3.5	5
p-Ethyltoluene	ND		ug/l	10	3.5	5
1,2,4,5-Tetramethylbenzene	ND		ug/l	10	2.7	5
Ethyl ether	ND		ug/l	12	3.5	5
trans-1,4-Dichloro-2-butene	ND		ug/l	12	3.5	5
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	103		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-02 D
Client ID: MW-205S
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/17/20 10:20
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/18/20 09:39
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	170		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
1,3-Dichloropropene, Total	ND		ug/l	5.0	1.4	10
1,1-Dichloropropene	ND		ug/l	25	7.0	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	19	J	ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	1.4	J	ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-02 D
Client ID: MW-205S
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/17/20 10:20
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	14		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	82		ug/l	25	7.0	10
o-Xylene	34		ug/l	25	7.0	10
Xylenes, Total	120		ug/l	25	7.0	10
cis-1,2-Dichloroethene	9.0	J	ug/l	25	7.0	10
1,2-Dichloroethene, Total	9.0	J	ug/l	25	7.0	10
Dibromomethane	ND		ug/l	50	10.	10
1,2,3-Trichloropropane	ND		ug/l	25	7.0	10
Acrylonitrile	ND		ug/l	50	15.	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	1300		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	310		ug/l	50	19.	10
Vinyl acetate	ND		ug/l	50	10.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
2,2-Dichloropropane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,3-Dichloropropane	ND		ug/l	25	7.0	10
1,1,1,2-Tetrachloroethane	ND		ug/l	25	7.0	10
Bromobenzene	ND		ug/l	25	7.0	10
n-Butylbenzene	ND		ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
o-Chlorotoluene	ND		ug/l	25	7.0	10
p-Chlorotoluene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Hexachlorobutadiene	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
Naphthalene	ND		ug/l	25	7.0	10

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-02 D
Client ID: MW-205S
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/17/20 10:20
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	ND		ug/l	25	7.0	10
1,2,4-Trimethylbenzene	ND		ug/l	25	7.0	10
1,4-Dioxane	ND		ug/l	2500	610	10
p-Diethylbenzene	ND		ug/l	20	7.0	10
p-Ethyltoluene	ND		ug/l	20	7.0	10
1,2,4,5-Tetramethylbenzene	ND		ug/l	20	5.4	10
Ethyl ether	ND		ug/l	25	7.0	10
trans-1,4-Dichloro-2-butene	ND		ug/l	25	7.0	10
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	101		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-03
Client ID: TRIP BLANK
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/17/20 00:00
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260C
Analytical Date: 09/18/20 09:28
Analyst: PD

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

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-03
Client ID: TRIP BLANK
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/17/20 00:00
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-03
Client ID: TRIP BLANK
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/17/20 00:00
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
Total TIC Compounds	2.46	J	ug/l			1
Unknown	2.46	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	104		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-04
Client ID: FIELD BLANK
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/17/20 10:30
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8260C
Analytical Date: 09/18/20 09:53
Analyst: PD

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

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-04
Client ID: FIELD BLANK
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/17/20 10:30
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-04
Client ID: FIELD BLANK
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/17/20 10:30
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
Total TIC Compounds	2.66	J	ug/l			1
Unknown	2.66	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	106		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/20 08:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1411638-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/20 08:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1411638-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/20 08:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1411638-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/20 08:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1411638-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	99		70-130

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/20 08:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG1411648-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/20 08:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG1411648-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/20 08:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG1411648-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	0.71	J	ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds			
Total TIC Compounds	1.97	J	ug/l
Unknown	1.97	J	ug/l

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/20 08:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG1411648-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038904
Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1411638-3 WG1411638-4								
Methylene chloride	91		93		70-130	2		20
1,1-Dichloroethane	94		95		70-130	1		20
Chloroform	96		97		70-130	1		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	89		91		70-130	2		20
Dibromochloromethane	91		92		63-130	1		20
1,1,2-Trichloroethane	91		91		70-130	0		20
Tetrachloroethene	120		110		70-130	9		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	99		98		62-150	1		20
1,2-Dichloroethane	97		98		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	88		88		67-130	0		20
trans-1,3-Dichloropropene	84		84		70-130	0		20
cis-1,3-Dichloropropene	84		86		70-130	2		20
1,1-Dichloropropene	98		99		70-130	1		20
Bromoform	80		82		54-136	2		20
1,1,2,2-Tetrachloroethane	86		87		67-130	1		20
Benzene	96		96		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	79		81		64-130	3		20
Bromomethane	53		52		39-139	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038904

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1411638-3 WG1411638-4								
Vinyl chloride	97		98		55-140	1		20
Chloroethane	100		110		55-138	10		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	94		94		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	86		88		63-130	2		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	99		99		70-130	0		20
Dibromomethane	90		92		70-130	2		20
1,2,3-Trichloropropane	88		91		64-130	3		20
Acrylonitrile	78		82		70-130	5		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	88		93		58-148	6		20
Carbon disulfide	96		95		51-130	1		20
2-Butanone	82		86		63-138	5		20
Vinyl acetate	82		84		70-130	2		20
4-Methyl-2-pentanone	80		80		59-130	0		20
2-Hexanone	76		77		57-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038904
Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1411638-3 WG1411638-4								
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	100		99		63-133	1		20
1,2-Dibromoethane	95		96		70-130	1		20
1,3-Dichloropropane	98		100		70-130	2		20
1,1,1,2-Tetrachloroethane	98		98		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		98		70-130	2		20
1,2-Dibromo-3-chloropropane	79		77		41-144	3		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	81		84		70-130	4		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	92		94		70-130	2		20
1,2,4-Trichlorobenzene	97		100		70-130	3		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	82		88		56-162	7		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038904

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1411638-3 WG1411638-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	96		95		70-130	1		20
Ethyl ether	90		93		59-134	3		20
trans-1,4-Dichloro-2-butene	**64**	Q	**68**	Q	70-130	6		20

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038904

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1411648-3 WG1411648-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	120		110		70-130	9		20
1,1,1-Trichloroethane	120		120		67-130	0		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	110		100		70-130	10		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	99		100		54-136	1		20
1,1,2,2-Tetrachloroethane	98		100		67-130	2		20
Benzene	110		110		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	**140**	Q	**140**	Q	39-139	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038904
Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1411648-3 WG1411648-4								
Vinyl chloride	100		110		55-140	10		20
Chloroethane	97		100		55-138	3		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	97		100		70-130	3		20
1,3-Dichlorobenzene	96		110		70-130	14		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	110		100		63-130	10		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	110		110		70-130	0		20
1,2,3-Trichloropropane	98		97		64-130	1		20
Acrylonitrile	110		110		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	100		92		58-148	8		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	110		110		63-138	0		20
Vinyl acetate	120		120		70-130	0		20
4-Methyl-2-pentanone	100		99		59-130	1		20
2-Hexanone	100		100		57-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038904

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1411648-3 WG1411648-4								
Bromochloromethane	120		110		70-130	9		20
2,2-Dichloropropane	**140**	Q	**140**	Q	63-133	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	110		100		64-130	10		20
Bromobenzene	95		99		70-130	4		20
n-Butylbenzene	98		100		53-136	2		20
sec-Butylbenzene	98		98		70-130	0		20
tert-Butylbenzene	100		110		70-130	10		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	92		94		41-144	2		20
Hexachlorobutadiene	93		95		63-130	2		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	79		88		70-130	11		20
Naphthalene	94		97		70-130	3		20
n-Propylbenzene	100		110		69-130	10		20
1,2,3-Trichlorobenzene	90		93		70-130	3		20
1,2,4-Trichlorobenzene	94		97		70-130	3		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	76		64		56-162	17		20
p-Diethylbenzene	93		95		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1411648-3 WG1411648-4								
p-Ethyltoluene	100		110		70-130	10		20
1,2,4,5-Tetramethylbenzene	91		93		70-130	2		20
Ethyl ether	110		110		59-134	0		20
trans-1,4-Dichloro-2-butene	120		120		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		106		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	104		103		70-130

SEMIVOLATILES

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-01
Client ID: MW-205D
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/17/20 08:45
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/20/20 03:51
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 06:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	5060		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	44		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-01
Client ID: MW-205D
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/17/20 08:45
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/19/20 20:38
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/18/20 08:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	20.1		ng/l	1.83	0.373	1
Perfluoropentanoic Acid (PFPeA)	18.9		ng/l	1.83	0.362	1
Perfluorobutanesulfonic Acid (PFBS)	31.1		ng/l	1.83	0.218	1
Perfluorohexanoic Acid (PFHxA)	17.1		ng/l	1.83	0.300	1
Perfluoroheptanoic Acid (PFHpA)	14.4		ng/l	1.83	0.206	1
Perfluorohexanesulfonic Acid (PFHxS)	7.18		ng/l	1.83	0.344	1
Perfluorooctanoic Acid (PFOA)	55.2		ng/l	1.83	0.216	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.08		ng/l	1.83	1.22	1
Perfluoroheptanesulfonic Acid (PFHpS)	4.74		ng/l	1.83	0.629	1
Perfluorononanoic Acid (PFNA)	3.68		ng/l	1.83	0.285	1
Perfluorooctanesulfonic Acid (PFOS)	250	F	ng/l	1.83	0.461	1
Perfluorodecanoic Acid (PFDA)	1.47	J	ng/l	1.83	0.278	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.83	1.11	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.83	0.593	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.83	0.238	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.83	0.896	1
Perfluorooctanesulfonamide (FOSA)	4.68	F	ng/l	1.83	0.531	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	10.8	F	ng/l	1.83	0.736	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.83	0.340	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.83	0.299	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.83	0.227	1
PFOA/PFOS, Total	305		ng/l	1.83	0.216	1

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-01
Client ID: MW-205D
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/17/20 08:45
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	77		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	78		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	73		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	106		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	86		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	111		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	41		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	70		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	58		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	44		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-02
Client ID: MW-205S
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/17/20 10:20
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/20/20 04:16
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 06:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	7620		ng/l	197	44.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	51		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-02
Client ID: MW-205S
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/17/20 10:20
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/19/20 21:11
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/18/20 08:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	43.7		ng/l	2.17	0.443	1
Perfluoropentanoic Acid (PFPeA)	32.8		ng/l	2.17	0.430	1
Perfluorobutanesulfonic Acid (PFBS)	158		ng/l	2.17	0.258	1
Perfluorohexanoic Acid (PFHxA)	43.2		ng/l	2.17	0.356	1
Perfluoroheptanoic Acid (PFHpA)	49.5		ng/l	2.17	0.244	1
Perfluorohexanesulfonic Acid (PFHxS)	19.4		ng/l	2.17	0.408	1
Perfluorooctanoic Acid (PFOA)	233		ng/l	2.17	0.256	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.55	F	ng/l	2.17	1.45	1
Perfluoroheptanesulfonic Acid (PFHpS)	22.9		ng/l	2.17	0.747	1
Perfluorononanoic Acid (PFNA)	2.02	J	ng/l	2.17	0.339	1
Perfluorooctanesulfonic Acid (PFOS)	758	EF	ng/l	2.17	0.547	1
Perfluorodecanoic Acid (PFDA)	1.52	J	ng/l	2.17	0.330	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.17	1.32	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.17	0.704	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.17	0.282	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.17	1.06	1
Perfluorooctanesulfonamide (FOSA)	9.58	F	ng/l	2.17	0.630	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	12.5	F	ng/l	2.17	0.873	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.17	0.404	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.17	0.355	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.17	0.269	1

Project Name: 33 CENTRE AVE
Lab Number: L2038904
Project Number: 10567
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-02
Client ID: MW-205S
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/17/20 10:20
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	69		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	65		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**163**	Q	31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	65		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	108		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**174**	Q	47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	74		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	130		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	45		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	82		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	70		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	150		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	45		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	66		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	22		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	60		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	46		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	37		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-02 RE
Client ID: MW-205S
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/17/20 10:20
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/24/20 03:16
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/21/20 18:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonic Acid (PFOS)	852	F	ng/l	50.0	12.6	1
PFOA/PFOS, Total	1090		ng/l	50.0	12.6	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	117		42-146

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-04
Client ID: FIELD BLANK
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/17/20 10:30
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8270D-SIM
Analytical Date: 09/20/20 04:41
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 06:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	50		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-04
Client ID: FIELD BLANK
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/17/20 10:30
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/19/20 21:44
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/18/20 08:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.86	0.379	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.86	0.368	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.86	0.221	1
Perfluorohexanoic Acid (PFHxA)	0.368	J	ng/l	1.86	0.304	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.86	0.209	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.86	0.349	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.86	0.219	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.86	1.24	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.86	0.638	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.86	0.290	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.86	0.468	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.86	0.282	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.86	1.12	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.86	0.601	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.86	0.241	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.86	0.909	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.86	0.538	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.86	0.746	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.86	0.345	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.86	0.304	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.86	0.230	1
PFOA/PFOS, Total	ND		ng/l	1.86	0.219	1

Project Name: 33 CENTRE AVE
Lab Number: L2038904
Project Number: 10567
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-04
Client ID: FIELD BLANK
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/17/20 10:30
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	78		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	104		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	79		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	83		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	33		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	82		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	74		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	77		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	27		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	48		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	78		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	62		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	53		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	69		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	57		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/20 16:20
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 06:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-02,04 Batch: WG1411457-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	49		15-110

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/19/20 19:48
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/18/20 08:24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02,04 Batch: WG1411533-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	0.344	JF	ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/19/20 19:48
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/18/20 08:24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02,04 Batch: WG1411533-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	83		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	90		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	41		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	86		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	81		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	37		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	53		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	83		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	59		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	59		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	71		33-143

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/23/20 21:45
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/21/20 18:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02 Batch: WG1412606-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/23/20 21:45
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/21/20 18:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02 Batch: WG1412606-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	115		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	130		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	114		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	115		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	119		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	126		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	117		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	86		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	120		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	116		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	114		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	98		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	118		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	68		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	106		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		33-143

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038904

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab	Associated sample(s): 01-02,04		Batch: WG1411457-2		WG1411457-3			
1,4-Dioxane	111		111		40-140	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	38		50		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038904
Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02,04 Batch: WG1411533-2 WG1411533-3								
Perfluorobutanoic Acid (PFBA)	112		104		67-148	7		30
Perfluoropentanoic Acid (PFPeA)	114		108		63-161	5		30
Perfluorobutanesulfonic Acid (PFBS)	113		104		65-157	8		30
Perfluorohexanoic Acid (PFHxA)	114		108		69-168	5		30
Perfluoroheptanoic Acid (PFHpA)	110		100		58-159	10		30
Perfluorohexanesulfonic Acid (PFHxS)	106		105		69-177	1		30
Perfluorooctanoic Acid (PFOA)	110		101		63-159	9		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	122		123		49-187	1		30
Perfluoroheptanesulfonic Acid (PFHpS)	108		108		61-179	0		30
Perfluorononanoic Acid (PFNA)	114		109		68-171	4		30
Perfluorooctanesulfonic Acid (PFOS)	119		115		52-151	3		30
Perfluorodecanoic Acid (PFDA)	109		105		63-171	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	112		119		56-173	6		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	118		112		60-166	5		30
Perfluoroundecanoic Acid (PFUnA)	121		114		60-153	6		30
Perfluorodecanesulfonic Acid (PFDS)	137		130		38-156	5		30
Perfluorooctanesulfonamide (FOSA)	113		104		46-170	8		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	112		126		45-170	12		30
Perfluorododecanoic Acid (PFDoA)	114		109		67-153	4		30
Perfluorotridecanoic Acid (PFTrDA)	117		108		48-158	8		30
Perfluorotetradecanoic Acid (PFTA)	134		121		59-182	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038904

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02,04 Batch: WG1411533-2 WG1411533-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	80		80		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		101		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	84		82		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88		86		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		89		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88		87		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		85		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	37		34		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	82		84		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	83		79		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	79		79		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	34		33		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	49		49		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	78		79		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	65		66		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	59		51		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	74		74		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	59		59		33-143

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038904

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 Batch: WG1412606-2 WG1412606-3								
Perfluorobutanoic Acid (PFBA)	108		98		67-148	10		30
Perfluoropentanoic Acid (PFPeA)	106		98		63-161	8		30
Perfluorobutanesulfonic Acid (PFBS)	101		98		65-157	3		30
Perfluorohexanoic Acid (PFHxA)	108		99		69-168	9		30
Perfluoroheptanoic Acid (PFHpA)	108		96		58-159	12		30
Perfluorohexanesulfonic Acid (PFHxS)	106		96		69-177	10		30
Perfluorooctanoic Acid (PFOA)	108		97		63-159	11		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	108		107		49-187	1		30
Perfluoroheptanesulfonic Acid (PFHpS)	113		98		61-179	14		30
Perfluorononanoic Acid (PFNA)	109		98		68-171	11		30
Perfluorooctanesulfonic Acid (PFOS)	117		106		52-151	10		30
Perfluorodecanoic Acid (PFDA)	103		96		63-171	7		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	116		106		56-173	9		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	91		95		60-166	4		30
Perfluoroundecanoic Acid (PFUnA)	110		102		60-153	8		30
Perfluorodecanesulfonic Acid (PFDS)	126		121		38-156	4		30
Perfluorooctanesulfonamide (FOSA)	104		93		46-170	11		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	115		100		45-170	14		30
Perfluorododecanoic Acid (PFDoA)	107		102		67-153	5		30
Perfluorotridecanoic Acid (PFTrDA)	104		102		48-158	2		30
Perfluorotetradecanoic Acid (PFTA)	111		105		59-182	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038904
Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 Batch: WG1412606-2 WG1412606-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	106		113		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	120		129		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		113		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	107		112		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	110		116		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	119		125		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		115		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	92		101		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	113		120		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107		115		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103		111		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	97		104		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	78		79		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	103		109		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	59		79		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	69		78		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		97		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73		73		33-143

Matrix Spike Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038904

Report Date: 09/25/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02,04 QC Batch ID: WG1411533-4 QC Sample: L2038904-01 Client ID: MW-205D												
Perfluorobutanoic Acid (PFBA)	20.1	36	59.0	108		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	18.9	36	58.9	111		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	31.1	32	66.5	111		-	-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	17.1	36	55.9	108		-	-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	14.4	36	52.4	106		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	7.18	32.9	41.9	105		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	55.2	36	95.1	111		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.08	34.3	40.4	112		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	4.74	34.3	46.8	123		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	3.68	36	41.5	105		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	250F	33.4	285F	105		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	1.47J	36	38.4	103		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	34.6	40.0	116		-	-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	36	40.0	111		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	36	40.0	111		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	34.7	44.4	128		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	4.68F	36	42.3F	104		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	10.8F	36	53.9F	120		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	36	37.4	104		-	-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	36	37.0	103		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	36	43.6	121		-	-		59-182	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038904

Report Date: 09/25/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02,04 QC Batch ID: WG1411533-4 QC Sample: L2038904-01 Client ID: MW-205D												

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	100				7-170
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	106				1-244
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	53				23-146
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	40				1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	66				40-144
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	74				38-144
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	70				21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86				30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101				47-153
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	56				24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	41				33-143
Perfluoro[13C4]Butanoic Acid (MPFBA)	74				2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	75				16-173
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	32				1-87
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	80				42-146
Perfluoro[13C8]Octanoic Acid (M8PFOA)	76				36-149
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90				34-146
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	89				31-159

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038904
Report Date: 09/25/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02,04 QC Batch ID: WG1411533-5 QC Sample: L2038904-02 Client ID: MW-205S						
Perfluorobutanoic Acid (PFBA)	43.7	46.0	ng/l	5		30
Perfluoropentanoic Acid (PFPeA)	32.8	39.3	ng/l	18		30
Perfluorobutanesulfonic Acid (PFBS)	158	167	ng/l	6		30
Perfluorohexanoic Acid (PFHxA)	43.2	47.4	ng/l	9		30
Perfluoroheptanoic Acid (PFHpA)	49.5	54.0	ng/l	9		30
Perfluorohexanesulfonic Acid (PFHxS)	19.4	20.4	ng/l	5		30
Perfluorooctanoic Acid (PFOA)	233	259	ng/l	11		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.55F	2.30J	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	22.9	31.5	ng/l	**32**	Q	30
Perfluorononanoic Acid (PFNA)	2.02J	2.67	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	758EF	974EF	ng/l	25		30
Perfluorodecanoic Acid (PFDA)	1.52J	1.96J	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	9.58F	11.2F	ng/l	16		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	12.5F	12.1F	ng/l	3		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038904
Report Date: 09/25/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02,04 QC Batch ID: WG1411533-5 QC Sample: L2038904-02 Client ID: MW-205S						
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	69		77		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	65		75		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**163**	Q	**180**	Q	31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	65		66		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	108		99		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**174**	Q	**188**	Q	47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	74		79		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	130		122		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	45		51		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	82		83		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	70		70		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	150		148		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	45		30		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	66		62		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	22		21		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	60		39		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	46		36		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	37		**26**	Q	33-143

METALS

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-01
Client ID: MW-205D
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/17/20 08:45
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.329		mg/l	0.0100	0.00327	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Antimony, Total	0.00042	J	mg/l	0.00400	0.00042	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00036	J	mg/l	0.00050	0.00016	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Barium, Total	0.08417		mg/l	0.00050	0.00017	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Calcium, Total	135.		mg/l	0.100	0.0394	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Chromium, Total	0.00137		mg/l	0.00100	0.00017	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Cobalt, Total	0.01428		mg/l	0.00050	0.00016	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Copper, Total	0.02304		mg/l	0.00100	0.00038	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Iron, Total	20.5		mg/l	0.0500	0.0191	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Magnesium, Total	48.4		mg/l	0.0700	0.0242	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Manganese, Total	3.092		mg/l	0.00100	0.00044	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/18/20 08:11	09/18/20 12:35	EPA 7470A	1,7470A	EW
Nickel, Total	1.057		mg/l	0.00200	0.00055	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Potassium, Total	19.3		mg/l	0.100	0.0309	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Sodium, Total	309.		mg/l	0.100	0.0293	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Thallium, Total	0.00017	J	mg/l	0.00050	0.00014	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM
Zinc, Total	0.01448		mg/l	0.01000	0.00341	1	09/18/20 07:50	09/18/20 12:25	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-02
Client ID: MW-205S
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Water

Date Collected: 09/17/20 10:20
Date Received: 09/17/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	15.0		mg/l	0.0100	0.00327	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Antimony, Total	0.00142	J	mg/l	0.00400	0.00042	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00235		mg/l	0.00050	0.00016	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Barium, Total	0.2351		mg/l	0.00050	0.00017	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00074		mg/l	0.00050	0.00010	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00015	J	mg/l	0.00020	0.00005	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Calcium, Total	90.2		mg/l	0.100	0.0394	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Chromium, Total	0.04251		mg/l	0.00100	0.00017	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Cobalt, Total	0.05590		mg/l	0.00050	0.00016	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Copper, Total	0.08366		mg/l	0.00100	0.00038	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Iron, Total	26.2		mg/l	0.0500	0.0191	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Lead, Total	0.00891		mg/l	0.00100	0.00034	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Magnesium, Total	23.9		mg/l	0.0700	0.0242	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Manganese, Total	2.170		mg/l	0.00100	0.00044	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/18/20 08:11	09/18/20 12:29	EPA 7470A	1,7470A	EW
Nickel, Total	0.4091		mg/l	0.00200	0.00055	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Potassium, Total	39.0		mg/l	0.100	0.0309	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Selenium, Total	0.00447	J	mg/l	0.00500	0.00173	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Sodium, Total	318.		mg/l	0.100	0.0293	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Thallium, Total	0.00037	J	mg/l	0.00050	0.00014	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Vanadium, Total	0.02879		mg/l	0.00500	0.00157	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM
Zinc, Total	0.07479		mg/l	0.01000	0.00341	1	09/18/20 07:50	09/18/20 12:30	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Lab Number: L2038904
Project Number: 10567
Report Date: 09/25/20

SAMPLE RESULTS

Lab ID: L2038904-04
Client ID: FIELD BLANK
Sample Location: NEW ROCHELLE, NY
Date Collected: 09/17/20 10:30
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Calcium, Total	0.0802	J	mg/l	0.100	0.0394	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Manganese, Total	0.00054	J	mg/l	0.00100	0.00044	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/18/20 08:11	09/18/20 12:38	EPA 7470A	1,7470A	EW
Nickel, Total	ND		mg/l	0.00200	0.00055	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Sodium, Total	0.214		mg/l	0.100	0.0293	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	09/18/20 07:50	09/18/20 11:59	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02,04 Batch: WG1411525-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Thallium, Total	0.00014	J	mg/l	0.00050	0.00014	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	09/18/20 07:50	09/18/20 11:54	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02,04 Batch: WG1411526-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/18/20 08:11	09/18/20 12:24	1,7470A	EW

Project Name: 33 CENTRE AVE
Project Number: 10567
Lab Number: L2038904
Report Date: 09/25/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038904

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04 Batch: WG1411525-2								
Aluminum, Total	102		-		80-120	-		
Antimony, Total	98		-		80-120	-		
Arsenic, Total	109		-		80-120	-		
Barium, Total	104		-		80-120	-		
Beryllium, Total	102		-		80-120	-		
Cadmium, Total	108		-		80-120	-		
Calcium, Total	100		-		80-120	-		
Chromium, Total	102		-		80-120	-		
Cobalt, Total	102		-		80-120	-		
Copper, Total	102		-		80-120	-		
Iron, Total	103		-		80-120	-		
Lead, Total	108		-		80-120	-		
Magnesium, Total	104		-		80-120	-		
Manganese, Total	102		-		80-120	-		
Nickel, Total	98		-		80-120	-		
Potassium, Total	104		-		80-120	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	106		-		80-120	-		
Sodium, Total	101		-		80-120	-		
Thallium, Total	105		-		80-120	-		
Vanadium, Total	102		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE

Project Number: 10567

Lab Number: L2038904

Report Date: 09/25/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04 Batch: WG1411525-2					
Zinc, Total	114	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02,04 Batch: WG1411526-2					
Mercury, Total	110	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038904
Report Date: 09/25/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04 QC Batch ID: WG1411525-3 QC Sample: L2038904-01 Client ID: MW-205D												
Aluminum, Total	0.329	2	2.49	108		-	-		75-125	-		20
Antimony, Total	0.00042J	0.5	0.5873	117		-	-		75-125	-		20
Arsenic, Total	0.00036J	0.12	0.1399	116		-	-		75-125	-		20
Barium, Total	0.08417	2	2.246	108		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.05225	104		-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.05672	111		-	-		75-125	-		20
Calcium, Total	135.	10	153	**180**	Q	-	-		75-125	-		20
Chromium, Total	0.00137	0.2	0.2084	104		-	-		75-125	-		20
Cobalt, Total	0.01428	0.5	0.5434	106		-	-		75-125	-		20
Copper, Total	0.02304	0.25	0.2862	105		-	-		75-125	-		20
Iron, Total	20.5	1	21.9	**140**	Q	-	-		75-125	-		20
Lead, Total	ND	0.51	0.5817	114		-	-		75-125	-		20
Magnesium, Total	48.4	10	57.6	92		-	-		75-125	-		20
Manganese, Total	3.092	0.5	3.661	114		-	-		75-125	-		20
Nickel, Total	1.057	0.5	1.613	111		-	-		75-125	-		20
Potassium, Total	19.3	10	29.8	105		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.133	111		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05423	108		-	-		75-125	-		20
Sodium, Total	309.	10	310	**10**	Q	-	-		75-125	-		20
Thallium, Total	0.00017J	0.12	0.1318	110		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.5268	105		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038904
Report Date: 09/25/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04 QC Batch ID: WG1411525-3 QC Sample: L2038904-01 Client ID: MW-205D									
Zinc, Total	0.01448	0.5	0.5679	111	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02,04 QC Batch ID: WG1411526-3 QC Sample: L2038904-02 Client ID: MW-205S									
Mercury, Total	ND	0.005	0.00536	107	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038904
Report Date: 09/25/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04 QC Batch ID: WG1411525-4 QC Sample: L2038904-01 Client ID: MW-205D						
Aluminum, Total	0.329	0.361	mg/l	9		20
Antimony, Total	0.00042J	0.00073J	mg/l	NC		20
Arsenic, Total	0.00036J	0.00044J	mg/l	NC		20
Barium, Total	0.08417	0.08355	mg/l	1		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Calcium, Total	135.	138	mg/l	2		20
Chromium, Total	0.00137	0.00146	mg/l	6		20
Cobalt, Total	0.01428	0.01432	mg/l	0		20
Copper, Total	0.02304	0.02302	mg/l	0		20
Iron, Total	20.5	20.6	mg/l	0		20
Lead, Total	ND	ND	mg/l	NC		20
Magnesium, Total	48.4	48.7	mg/l	1		20
Manganese, Total	3.092	3.131	mg/l	1		20
Nickel, Total	1.057	1.070	mg/l	1		20
Potassium, Total	19.3	19.4	mg/l	1		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	309.	308	mg/l	0		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038904
Report Date: 09/25/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04 QC Batch ID: WG1411525-4 QC Sample: L2038904-01 Client ID: MW-205D					
Thallium, Total	0.00017J	0.00050	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.01448	0.01375	mg/l	5	20
Total Metals - Mansfield Lab Associated sample(s): 01-02,04 QC Batch ID: WG1411526-4 QC Sample: L2038904-02 Client ID: MW-205S					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038904
Report Date: 09/25/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2038904-01A	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260(14)
L2038904-01B	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260(14)
L2038904-01C	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260(14)
L2038904-01D	Plastic 250ml HNO3 preserved	A	<2	<2	5.4	Y	Absent		TL-6020T(180),FE-6020T(180),SE-6020T(180),BA-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),CD-6020T(180),AL-6020T(180),CO-6020T(180)
L2038904-01E	Amber 250ml unpreserved	A	7	7	5.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038904-01F	Amber 250ml unpreserved	A	7	7	5.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038904-01G	Plastic 250ml unpreserved	A	NA		5.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038904-01H	Plastic 250ml unpreserved	A	NA		5.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038904-02A	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260(14)
L2038904-02B	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260(14)
L2038904-02C	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260(14)
L2038904-02D	Plastic 250ml HNO3 preserved	A	<2	<2	5.4	Y	Absent		TL-6020T(180),SE-6020T(180),FE-6020T(180),BA-6020T(180),NI-6020T(180),K-6020T(180),CR-6020T(180),CA-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),MG-6020T(180),AL-6020T(180),HG-T(28),CD-6020T(180),CO-6020T(180)
L2038904-02E	Amber 250ml unpreserved	A	3	3	5.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038904-02F	Amber 250ml unpreserved	A	3	3	5.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038904
Report Date: 09/25/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2038904-02G	Plastic 250ml unpreserved	A	NA		5.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038904-02H	Plastic 250ml unpreserved	A	NA		5.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038904-03A	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260(14)
L2038904-03B	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260(14)
L2038904-04A	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260(14)
L2038904-04B	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260(14)
L2038904-04C	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260(14)
L2038904-04D	Plastic 250ml HNO3 preserved	A	<2	<2	5.4	Y	Absent		FE-6020T(180),TL-6020T(180),SE-6020T(180),BA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),MG-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L2038904-04E	Amber 250ml unpreserved	A	7	7	5.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038904-04F	Amber 250ml unpreserved	A	7	7	5.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038904-04G	Plastic 250ml unpreserved	A	NA		5.4	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE
Project Number: 10567

Lab Number: L2038904
Report Date: 09/25/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038904
Project Number:	10567	**Report Date:**	09/25/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038904
Project Number:	10567	**Report Date:**	09/25/20

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038904
Project Number:	10567	**Report Date:**	09/25/20

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE	**Lab Number:**	L2038904
Project Number:	10567	**Report Date:**	09/25/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 9/17/20

ALPHA Job #: L2038904

Client Information
Client: SESI
Address: 12A Maple Ave
Pine Brook, NJ
Phone: 973 808 9050
Fax:
Email: fd@sesi.org

Project Information
Project Name: 33 Center Ave
Project Location: New Rochelle, NY
Project #: 105674
(Use Project name as Project #) ☐
Project Manager: Jesse Mausher
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ 24 hr # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other Cat B

Regulatory Requirement
☒ NY TOGS ☐ NY Part 375
☒ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

24 Hr except PFAAS

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TAL Metals (Hg)	1,4-Dioxane	PFAAS	Sample Specific Comments	Total Bottle
38904-01	MW-205D	9/17/20	8:45	GW	JN	X	X	X	X		
-02	MW-205S		10:20	GW		X	X	X	X		
-03	Trip blank					X					
-04	Field Blank		10:30			X	X	X	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	9/17/20 12:30	D. Santos	9/17/20 1230
D. Santos	9/17/20 1400		9/17/20 1640
	9/17/20 2118		9/17/20 2118

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ATTACHMENT D

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

SESI Consulting Engineers
12A Maple Avenue
Pine Brook, NJ 07058
ATTN: Mr. Steven Gustems
ssg@sesi.org

October 26, 2020

SUBJECT: Huguenot Street Development, Data Validation

Dear Mr. Gustems,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on October 2, 2020. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #49292:

SDG #	Fraction
L2037216, L2037961, L2038034 L2038499, L2038800, L2038903	Volatiles, 1,4-Dioxane, Metals, Perfluoroalkyl & Polyfluoroalkyl Substances

The data validation was performed under Category B guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA Region 2 Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C, SOP HW-24, Revision 4; October 2014
- USEPA Region 2 Standard Operating Procedure for Semivolatile Data Validation SW-846 Method 8270D, SOP HW-35A, Revision 0; June 2015
- USEPA Region 2 Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program, SOP HW-3b/c, Revision 1; September 2016
- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-2017-002; January 2017
- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review EPA 540-R-2017-001; January 2017
- USEPA Data Review and Validation Guidelines for Perfluoroalkyl substances Analyzed Using EPA Method 537; November 2018
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014

Please feel free to contact us if you have any questions.

Sincerely,

Christina Rink

Christina Rink
crink@lab-data.com
Project Manager/Senior Chemist

840 pages-ADV

Attachment 1

Category B EDD **LDC#49292 (SESI Consulting Engineers, Pine Brook, NJ / Huguenot Street Development)**

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (8260C)		1,4-Diox (8270D -SIM)		Metals (6010B /7470A)		PFAs (537M)																											
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	L2037216	10/02/20	10/23/20	4	0	2	0	2	0	3	0																										
B	L2037961	10/02/20	10/23/20	2	0	1	0	1	0	1	0																										
C	L2038034	10/02/20	10/23/20	2	0	2	0	2	0	3	0																										
D	L2038499	10/02/20	10/23/20	9	0	6	0	6	0	10	0																										
E	L2038800	10/02/20	10/23/20	5	0	4	0	4	0	5	0																										
F	L2038903	10/02/20	10/23/20	2	0	-	-	-	-	-	-																										
Total	T/CR			24	0	15	0	15	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76

Shaded cells indicate Category B validation (all other cells are Category A validation). These sample counts do not include MS/MSD, and DUPs

L:\SESI\Huguenot\49292ST.wpd

Site: 33 Centre Avenue
Laboratory: Alpha Analytical, Inc.
Report No.: L2037216
Reviewer: Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date: October 21, 2020

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-202	L2037216-01	VOC, 1,4-Dioxane, PFAS
MW-203	L2037216-02	VOC, 1,4-Dioxane, PFAS
TRIP BLANK	L2037216-03	VOC
PFAS FIELD BLANK	L2037216-04	PFAS
VOC FIELD BLANK	L2037216-05	VOC

Associated QC Samples(s):
Field/Trip Blanks: TRIP BLANK, PFAS FIELD BLANK, VOC FIELD BLANK
Field Duplicate pair: None Associated

The above-listed water samples were collected on September 9, 2020 and were analyzed for volatile organic compounds (VOC) by SW-846 method 8260C, 1,4-dioxane by SW-846 method 8270D in selected ion monitoring (SIM) mode, and perfluoroalkyl and polyfluoroalkyl substances (PFAS) by method 537 modified. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C,* SOP HW-24, Revision 4 (October 2014), the USEPA Region 2 *Standard Operating Procedure for Semivolatile Data Validation SW-846 Method 8270D,* SOP HW-35A, Revision 0 (June 2015), the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-2017-002 (January 2017), and the USEPA Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFAS) Analyzed Using EPA Method 537 (November 2018), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Liquid Chromatography/Mass Spectrometry (LC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards/Labeled Compounds
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

VOC and 1,4-Dioxane

All criteria were met.

LC/MS Tunes

PFAS

All criteria were met.

Initial and Continuing Calibrations

VOC

Initial calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
08/14/20	ICAL-VOA105	1,4-Dioxane	0.00115 (≥0.005)	MW-202	+	UJ nondetects
09/02/20	ICAL-Gonzo	1,4-Dioxane	0.00129 (≥0.005)	MW-203 TRIP BLANK VOC FIELD BLANK	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane results were estimated due to response factor exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
09/10/20	CCV-Gonzo	Dichlorodifluoromethane	35.7	MW-203	XX	J detects/UJ nondetects
		Bromomethane	27.1	TRIP BLANK	XX	J detects/UJ nondetects
		Trichlorofluoromethane	23.8	VOC FIELD BLANK	XX	J detects/UJ nondetects
		Acetone	34.4		XX	J detects/UJ nondetects
		2-Butanone	24.1		XX	J detects/UJ nondetects
09/10/20	CCV-VOA105	Bromomethane	24.9	MW-202	XX	UJ nondetects
		Chloroethane	26.4		XX	UJ nondetects
		4-Methyl-2-pentanone	25.7		XX	UJ nondetects
		2-Hexanone	29		XX	UJ nondetects
		trans-1,4-Dichloro-2-butene	25.6		XX	UJ nondetects
		1,2-Dibromo-3-chloropropane	26		XX	UJ nondetects
		Naphthalene	22.3		XX	UJ nondetects

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
09/10/20	CCV-Gonzo	1,4-Dioxane	0.0014 (≥0.005)	MW-203 TRIP BLANK VOC FIELD BLANK	+	UJ nondetects
09/10/20	CCV-VOA105	1,4-Dioxane	0.00128 (≥0.005)	MW-202	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The dichlorodifluoromethane, bromomethane, trichlorofluoromethane, acetone, 2-butanone, chloroethane, 4-methyl-2-pentanone, 2-hexanone, trans-1,4-dichloro-2-butene, 1,2-dibromo-3-chloropropane, and naphthalene results for the samples listed above were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The 1,4-dioxane results were estimated due to response factor exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

1,4-Dioxane and PFAS

All criteria were met.

Blanks

VOC

Contamination was detected in the associated VOC method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
WG1408405-5Blank	Acetone	3.2 ug/L	2xRL	MW-203 TRIP BLANK VOC FIELD BLANK
WG1408406-5Blank	Acetone	2.1 ug/L	2xRL	MW-202

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

No samples were qualified since the associated sample results were nondetect or greater than the action level.

No positive results were found in the trip blank sample TRIP BLANK and field blank sample VOC FIELD BLANK for VOC analysis.

1,4-Dioxane

Contamination was not detected in the method blanks.

A field blank was not associated with this sample set. Validation action was not required on this basis.

PFAS

Contamination was detected in the associated PFAS method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at the reporting limit (RL) for contaminants. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
WG1408189-1	Perfluorohexanoic acid	0.856 ng/L	RL	PFAS FIELD BLANK
	1H,1H,2H,2H-Perfluorooctanesulfonic acid	3.86 ng/L	RL	

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

No samples were qualified since the associated sample results were nondetect.

No positive results were found in the field blank sample PFAS FIELD BLANK for PFAS analysis.

Surrogate Recoveries

VOC and 1,4-Dioxane

All criteria were met.

MS/MSD Results

MS/MSD analyses were not associated with this sample set. Validation action was not required on this basis.

LCS Results

VOC

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the VOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
WG1408406-3/4	trans-1,4-Dichloro-2-butene	-	61 (70-130)	MW-202	UJ nondetects

The trans-1,4-dichloro-2-butene result may be biased low due to low LCS/LCSD percent recovery. The result can be used for project objectives as a nondetect with an estimated quantitation limit (UJ) which may have a minor impact on the data usability.

1,4-Dioxane and PFAS

All criteria were met.

Internal Standards/Labeled Compounds

VOC and 1,4-Dioxane

All criteria were met.

PFAS

The following table lists the labeled compound percent recoveries outside of control limits in the PFAS analysis and the resulting validation actions.

Sample	Labeled Compound	%R (Limits)	Affected Compounds	Validation actions
MW-202	M2-6:2 FTS	426 (25-150)	1H,1H,2H,2H-Perfluorooctanesulfonic acid	J detects/UJ nondetects
	M2-8:2 FTS	443 (25-150)	1H,1H,2H,2H-Perfluorodecanesulfonic acid	J detects/UJ nondetects
	M8-FOSA	33 (50-150)	Perfluorooctanesulfonamide	J detects/UJ nondetects
MW-203	M2-6:2 FTS	298 (25-150)	1H,1H,2H,2H-Perfluorooctanesulfonic acid	J detects/UJ nondetects
	M2-8:2 FTS	273 (25-150)	1H,1H,2H,2H-Perfluorodecanesulfonic acid	J detects/UJ nondetects
	M8-FOSA	22 (50-150)	Perfluorooctanesulfonamide	J detects/UJ nondetects
PFAS FIELD BLANK	M8-FOSA	49 (50-150)	Perfluorooctanesulfonamide	UJ nondetects

The 1H,1H,2H,2H-perfluorooctanesulfonic acid, 1H,1H,2H,2H-perfluorodecanesulfonic acid, and perfluorooctanesulfonamide results for the samples listed above were estimated due to labeled compound percent recovery exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC and PFAS analyses. These results were qualified as estimated (J) by the laboratory.

No results were reported below the RL and above the MDL in the 1,4-dioxane analysis.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	VOC Analysis Reported
MW-203	20-fold dilution due to nature of sample matrix

Dilutions were not required for 1,4-dioxane and PFAS analyses.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

The following table lists target compound identifications that did not meet validation criteria and the resulting validating actions.

Sample	Compound	Ion Ratio (Limits)	Validation Actions
MW-202	n-Ethylperfluorooctanesulfonamidoacetic acid	15.85 (1.96-58.87)	J detects
MW-203	Perfluorotridecanoic acid	30.87 (4.39-13.16)	J detects

The n-ethylperfluorooctanesulfonamidoacetic acid and perfluorotridecanoic acid results for the samples listed above were estimated due to ion ratio exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 49292A1a **VALIDATION COMPLETENESS WORKSHEET** Date: 10/20/20
SDG #: L2037216 Category B Page: 1 of 1
Laboratory: Alpha Analytical, Inc. Reviewer: KT
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	SW/A	%RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	SW	
VI.	Field blanks	ND	TB = 3 FB = 4
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	CS
IX.	Laboratory control samples	SW	LCS/D
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Results ≥ RL > MDL = Det
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
SW = See worksheet FB = Field blank EB = Equipment blank

	Client ID	Lab ID	Matrix	Date
1 2	MW-202	L2037216-01	Water	09/09/20
2 1	MW-203 20X	L2037216-02	Water	09/09/20
3 1	TRIP BLANK	L2037216-03	Water	09/09/20
4 1	VOC FIELD BLANK	L2037216-05	Water	09/09/20
5				
6				
7				
8				
9				

Notes:

1	WG1408405-5 Blank						
2	WG1408406-5 Blank						

LDC #: 49292 A1a

VALIDATION FINDINGS CHECKLIST

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30%/15% / 20% and relative response factors (RRF) ≥ 0.05?		✓		
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20% / 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) ≥ 0.05?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?	✓			
Were target compounds detected in the field blanks?		✓		
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	

Validation Area				
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 49292A1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?

Y N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?

Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____

Y N N/A Did the initial calibration meet the acceptance criteria?

Y N N/A Were all %RSDs and RRFs within the validation criteria of ≤30/15% 20% RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: ____%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
2	8/14/20	~~ICAL~~ - 10A105	HHHH		0.00115	1,	J/UJ/A ND
	10/6/20	ICAL				WG1408406-5 Blank	
1	9/2/20	ICAL-G0N30	HHHH		0.00129	2-4	J/UJ/A ND
						WG1408405-5 Blank	

LDC #: 49292A1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y (N) N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	9/10/20	CCV - G10N30	JJ	35.7		2-24,	J/UJ/A ND+Det
	0749		B	27.1		WG1408405-5 Blank	
			KK	23.8			
			F	34.4			
			M	24.1			
			HHHH		0.0014		
	9/10/20	CCV - V0A105	B	24.9		1,	J/UJ/A ND
	0842		D	26.4		WG1408406-5 Blank	
			Y	25.7			
			Z	29			
			YYY	25.6			
			MM	26			
			SMMM	27.3			
			HHHH		0.00128		

LDC #: 49292A/2

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a method blank associated with every sample in this SDG?

Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?

Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 9/10/20

Conc. units: ug/L

Associated Samples: 2 → 4 (ND + > RL)

Compound	Blank ID	Sample Identification							
	WG1408405-5 Blank								
F	3.2								

Blank analysis date: 9/10/20

Conc. units: ug/L

Associated Samples: 1 (> RL)

Compound	Blank ID	Sample Identification							
	WG1408406-5 Blank								
F	2.1								

All results were qualified using the criteria stated below except those circled.

Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 49292 A/a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	WG1408406-	YYYY	( )	61 (70-130)	( )	1, WG1408406-5 Blank	J|UJ|P (ND)
	3|4		( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC #: 49292A1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: ____FT____

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 10ug/L std)	Recalculated (RRF 10ug/L std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/14/2020	C	0.307	0.307	0.274	0.274	17.09	17.09
	VOA105		EE	1.590	1.590	1.456	1.456	11.82	11.82
			BB	0.476	0.476	0.475	0.475	3.68	3.68

LDC #: 49292A1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: ____FT___

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 10ug/L std)	Recalculated (RRF 10ug/L std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	9/2/2020	C	0.271	0.271	0.268	0.268	4.38	4.38
	Gonzo		EE	1.507	1.507	1.489	1.489	4.71	4.71
			BB	0.470	0.470	0.494	0.494	6.63	6.63

LDC #: 49292A1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
2	ccv 0842 VOA155	9/10/20	C (IS1)	0.274	0.277	0.277	1.1	1.1
			EE (IS2)	1.456	1.479	1.479	1.6	1.6
			BB (IS3)	0.475	0.403	0.403	15.2	15.2
			(IS4)					
			(IS5)					
4	ccv 0749	9/10/20	C (IS1)	0.268	0.231	0.231	13.8	13.8
	Gonzo		EE (IS2)	1.489	1.541	1.541	3.5	3.5
			BB (IS3)	0.494	0.443	0.443	10.3	10.3
			(IS4)					
			(IS5)					
3			(IS1)					
			(IS2)					
			(IS3)					
			(IS4)					
			(IS5)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292A1a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	10.0	9.975	100	100	0
1,2-Dichloroethane-d4	↓	9.270	93	93	↓
Toluene-d8		9.768	98	98	
Bromofluorobenzene		9.124	91	91	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 49292A/a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

METHOD: GC/MS VOA (EPA Method 8260 C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: WG1408405-3/4

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	10	10	8.8	7.7	88	88	77	77	13	13
Trichloroethene	↓	↓	10	9.0	100	100	90	90	11	11
Benzene	↓	↓	11	9.8	110	110	98	98	12	12
Toluene	↓	↓	11	9.3	110	110	93	93	17	17
Chlorobenzene	↓	↓	11	9.6	110	110	96	96	14	14

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292A1q

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260 Q

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
RRF	=	Relative response factor of the calibration standard.
V_o	=	Volume or weight of sample pruged in milliliters (ml) or grams (g).
Df	=	Dilution factor.
%S	=	Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #1, EE:

Conc. = $\frac{(136521)(10.0)}{(219102)(1.456)} = 4.28$ ug/L

10 ml

#	Sample ID	Compound	Reported Concentration (ug/L)	Calculated Concentration (ug/L)	Qualification
	#1	EE	4.3	4.28	

LDC #: 49292A2c

SDG #: L2037216

Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET

Category B

Date: 10/19/20

Page: 1 of 1

Reviewer:

2nd Reviewer:

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	%RSD ≤ 20 ICV ≤ 30
IV.	Continuing calibration	A	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	
IX.	Laboratory control samples	A	LCS/D
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	ND Results < RL > MDL
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-202	L2037216-01	Water	09/09/20
2	MW-203	L2037216-02	Water	09/09/20
3				
4				
5				
6				
7				
8				
9				

Notes:

	WG1408239-1 Blank						

LDC #: 49292A2C

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: Semivolatiles (EPA SW 846 Method 8270D)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 15/30% or 20% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?			✓	
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20% or 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?	✓			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any percent recoveries (%R) was less than 10%, was a reanalysis performed to confirm %R ?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	CC. Dimethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	GGGG. C30-Hopane	I1. Methyl methanesulfonate
B. Bis (2-chloroethyl) ether	DD. Acenaphthylene	FFF. Di-n-octylphthalate	HHHH. 1-Methylphenanthrene	J1. Ethyl methanesulfonate
C. 2-Chlorophenol	EE. 2,6-Dinitrotoluene	GGG. Benzo(b)fluoranthene	IIII. 1,4-Dioxane	K1. o,o',o''-Triethylphosphorothioate
D. 1,3-Dichlorobenzene	FF. 3-Nitroaniline	HHH. Benzo(k)fluoranthene	JJJJ. Acetophenone	L1. n-Phenylene diamine
E. 1,4-Dichlorobenzene	GG. Acenaphthene	III. Benzo(a)pyrene	KKKK. Atrazine	M1. 1,4-Naphthoquinone
F. 1,2-Dichlorobenzene	HH. 2,4-Dinitrophenol	JJJ. Indeno(1,2,3-cd)pyrene	LLLL. Benzaldehyde	N1. N-Nitro-o-toluidine
G. 2-Methylphenol	II. 4-Nitrophenol	KKK. Dibenz(a,h)anthracene	MMMM. Caprolactam	O1. 1,3,5-Trinitrobenzene
H. 2,2'-Oxybis(1-chloropropane)	JJ. Dibenzofuran	LLL. Benzo(g,h,i)perylene	NNNN. 2,6-Dichlorophenol	P1. Pentachlorobenzene
I. 4-Methylphenol	KK. 2,4-Dinitrotoluene	MMM. Bis(2-Chloroisopropyl)ether	OOOO. 1,2-Diphenylhydrazine	Q1. 4-Aminobiphenyl
J. N-Nitroso-di-n-propylamine	LL. Diethylphthalate	NNN. Aniline	PPPP. 3-Methylphenol	R1. 2-Naphthylamine
K. Hexachloroethane	MM. 4-Chlorophenyl-phenyl ether	OOO. N-Nitrosodimethylamine	QQQQ. 3&4-Methylphenol	S1. Triphenylene
L. Nitrobenzene	NN. Fluorene	PPP. Benzoic Acid	RRRR. 4-Dimethyldibenzothiophene (4MDT)	T1. Octachlorostyrene
M. Isophorone	OO. 4-Nitroaniline	QQQ. Benzyl alcohol	SSSS. 2/3-Dimethyldibenzothiophene (4MDT)	U1. Famphur
N. 2-Nitrophenol	PP. 4,6-Dinitro-2-methylphenol	RRR. Pyridine	TTTT. 1-Methyldibenzothiophene (1MDT)	V1. 1,4-phenylenediamine
O. 2,4-Dimethylphenol	QQ. N-Nitrosodiphenylamine	SSS. Benzidine	UUUU.. 2,3,4,6-Tetrachlorophenol	W1. Methapyrilene
P. Bis(2-chloroethoxy)methane	RR. 4-Bromophenyl-phenylether	TTT. 1-Methylnaphthalene	VVVV. 1,2,4,5-Tetrachlorobenzene	X1. Pentachloroethane
Q. 2,4-Dichlorophenol	SS. Hexachlorobenzene	UUU.Benzo(b)thiophene	WWWW.. 2-Picoline	Y1. 3,3'-Dimethylbenzidine
R. 1,2,4-Trichlorobenzene	TT. Pentachlorophenol	VVV.Benzonaphthothiophene	XXXX. 3-Methylcholanthrene	Z1. o-Toluidine
S. Naphthalene	UU. Phenanthrene	WWW.Benzo(e)pyrene	YYYY. a,a-Dimethylphenethylamine	A2. 1-Naphthylamine
T. 4-Chloroaniline	VV. Anthracene	XXX. 2,6-Dimethylnaphthalene	ZZZZ. Hexachloropropene	B2. 4-Aminobiphenyl
U. Hexachlorobutadiene	WW. Carbazole	YYY. 2,3,5-Trimethylnaphthalene	A1. N-Nitrosodiethylamine	C2. 4-Nitroquinoline-1-oxide
V. 4-Chloro-3-methylphenol	XX. Di-n-butylphthalate	ZZZ. Perylene	B1. N-Nitrosodi-n-butylamine	D2. Hexachloropene
W. 2-Methylnaphthalene	YY. Fluoranthene	AAAA. Dibenzothiophene	C1. N-Nitrosomethylethylamine	E2. Bis (2-chloro-1-methylethyl) ether
X. Hexachlorocyclopentadiene	ZZ. Pyrene	BBBB. Benzo(a)fluoranthene	D1. N-Nitrosomorpholine	F2. Bifenthrin
Y. 2,4,6-Trichlorophenol	AAA. Butylbenzylphthalate	CCCC. Benzo(b)fluorene	E1. N-Nitrosopyrrolidine	G2. Cyfluthrin
Z. 2,4,5-Trichlorophenol	BBB. 3,3'-Dichlorobenzidine	DDDD. cis/trans-Decalin	F1. Phenacetin	H2. Cypermethrin
AA. 2-Chloronaphthalene	CCC. Benzo(a)anthracene	EEEE. 1,1'-Biphenyl	G1. 2-Acetylaminofluorene	I2. Permethrin (cis/trans)
BB. 2-Nitroaniline	DDD. Chrysene	FFFF. Retene	H1. Pronamide	J2. 5-Nitro-o-toluidine

LDC #: 49292 A2c

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: _____

METHOD: GCMS 1,4-Dsioxane 8270D SIM

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 500ng/ml std)	Recalculated (RRF 500ng/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	7/17/2020	1,4-Dioxane	1.566	1.566	1.584	1.584	3.55	3.55
	GCMS6								

LDC #: 49292A2c

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: _____

METHOD: GCMS 1,4-Dsioxane 8270D SIM

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 500ng/ml std)	Recalculated (RRF 500ng/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/12/2020	1,4-Dioxane	1.269	1.269	1.252	1.252	5.04	5.04
	PAH22								

LDC #: 49292A2c

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	ccv MS6	9/11/20 0723	1,4-Dioxane (1st IS)	1.584	1.67	1.67	5.4	5.4
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
2	ccv PAH22	9/11/20 1224	↓ (1st IS)	1.252	1.387	1.387	10.8	10.8
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
3			(1st IS)					
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292 A2a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270 D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
~~Nitrobenzene-d5~~ 1,4-Dioxane D8	500.0	252.400	50	50	0
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
~~1,2-Dichlorobenzene~~-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 49292A2C

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: WG1404239-2 | 3

Compound	Spike Added (~~ug/L~~) ug/L		Spike Concentration (~~ug/L~~) ug/L		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol										
N-Nitroso-di-n-propylamine										
4-Chloro-3-methylphenol										
Acenaphthene										
Pentachlorophenol										
Pyrene										
1,4-Dioxane	5	5	5.42	5.45	108	108	109	109	1	1

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292A2C **VALIDATION FINDINGS WORKSHEET** Page: 1 of 1
Sample Calculation Verification Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_i = Volume of extract injected in microliters (ul)

V_t = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. # 2, 1,4-Dioxane

Conc. = $\frac{3272\,(500)(2.5)}{21340\,(1.252)(260)}$

= 0.5887 ng/L

#	Sample ID	Compound	Reported Concentration (ug/L)	Calculated Concentration (ug/L)	Qualification
	#2	1,4-Dioxane	0.589	0.5887	

LDC #: 49292A96
SDG #: L2037216
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 10/9/20
Page: 1 of 1
Reviewer: m
2nd Reviewer:

METHOD: LC/MS Perfluoroalkyl & Polyfluoroalkyl Substances (EPA Method 537M)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	LC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	1[2] TV≤50/30 ICV≤30
IV.	Continuing calibration/ISC	A/A	D≤30 ICC≤50
V.	Laboratory Blanks	SW	
VI.	Field blanks	ND	FB=3
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS/D
IX.	Field duplicates	N	
X.	Labeled Compounds	SW	
VI.	Compound quantitation RL/LOQ/LODs	A	<RL
XII.	Target compound identification	SW	
XIII.	System performance	A	
XIV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1 [2]	MW-202	L2037216-01	Water	09/09/20
2 [2]	MW-203	L2037216-02	Water	09/09/20
3 [1]	PFAS FIELD BLANK	L2037216-04	Water	09/09/20
4				
5				
6				
7				
8				
9				
10				

Notes:

1	WG1408189						
2	WG1408878						

LDC #: 49292A96 **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: JC

Method: LC/MS PFAS (EPA Method 537Mod)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	√			
Were cooler temperature criteria met?	√			
II. LC/MS Instrument performance check				
Were the instrument performance reviewed and found to be within the validation criteria?	√			
III. Initial calibration and Initial Calibration Verification				
Did the laboratory perform a 5-point calibration prior to sample analysis?	√			
Were all percent relative standard deviations (%RSD) ≤ 20%?			√	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit criteria of ≥ 0.990?	√			
Were all analytes within 70-130% or percent differences (%D) ≤30% of their true value for each calibration standard except the lowest point (50-150%)?	√			
Was the signal to noise (S/N) ratio for all compounds within the validation criteria?	√			
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	√			
Were all percent differences (%D) ≤ 30%?	√			
IV. Continuing calibration and Instrument Sensitivity Check				
Was a continuing calibration analyzed prior to sample analysis, after every 10 samples and at the end of the analytical sequence?	√			
Were all percent differences (%D) of the continuing calibration ≤ 30%?	√			
Was the signal to noise (S/N) ratio for all compounds within the validation criteria?	√			
Were all percent differences (%D) of the Instrument Sensitivity Check ≤ 50%?	√			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	√			
Was a laboratory blank analyzed for each matrix and concentration?	√			
Was there contamination in the laboratory blanks?	√			
VI. Field blanks				
Were field blanks identified in this SDG?	√			
Were target compounds detected in the field blanks?		√		
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?		√		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			√	

LDC #: 49292A96

VALIDATION FINDINGS CHECKLIST

Reviewer: MC

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch for this SDG?	√			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	√			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		√		
Were target compounds detected in the field duplicates?			√	
XI. Labeled compounds				
Were labeled compound percent recoveries (%R) within the QC limits?		√		
XII. Compound quantitation				
Did the laboratory reporting limits (RL) meet the QAPP RLs?			√	
Did reported results include both branched and linear isomers?	√			
Were the correct ion transition, labeled compound and relative response factor (RRF) used to quantitate the compound?	√			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	√			
XIII. Target compound identification				
Was the signal to noise (S/N) ratio for all compounds within the validation criteria?	√			
Were two transitions and the ion transition ratio per analyte monitored and documented except for PFBA and PFPeA?	√			
Were ion ratios within QC limits?		√		
XIV. System performance				
System performance was found to be acceptable.	√			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	√			

TARGET COMPOUND WORKSHEET

METHOD: PFAS

	Associated Labeled Compound		
A. Perfluorobutanoic acid (PFBA)	MPFBA		
B. Perfluoropentanoic acid (PFPeA)	M5PFPEA		
C. Perfluorohexanoic acid (PFHxA)	M5PFHxA		
D. Perfluoroheptanoic acid (PFHpA)	M4PFHpA		
E. Perfluorooctanoic acid (PFOA)	M8PFOA		
F. Perfluorononanoic acid (PFNA)	M9PFNA		
G. Perfluorodecanoic acid (PFDA)	M8PFDA		
H. Perfluoroundecanoic acid (PFUnA)	M7PFUDA		
I. Perfluorododecanoic acid (PFDoA)	MPFDOA		
J. Perfluorotridecanoic acid (PFTrDA)	MPFDOA		
K. Perfluorotetradecanoic acid (PFTA)	M2PFTEDA		
L. Perfluorobutanesulfonic acid (PFBS)	M3PFBS		
M. Perfluorohexanesulfonic acid (PFHxS)	M3PFHxS		
N. Perfluoroheptanesulfonic acid (PFHpS)	M8PFOS		
O. Perfluorooctanesulfonic acid (PFOS)	M8PFOS		
P. Perfluorodecanesulfonic acid (PFDS)	M8PFOS		
Q. Perfluorooctanesulfonamide (FOSA)	M8FOSA		
R. N-Methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	d3-NMeFOSAA		
S. N-Ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	d5-NEtFOSAA		
T. 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2FTS)	M2-6:2FTS		
U. 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2FTS)	M2-8:2FTS		
V. 9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)			
W. 11-Chloroeicosafluoro-3-Oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			
X. Hexafluoropropylene oxide dimer acid (HFPO-DA)			
Y. 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2FTS)	M2-4:2FTS		
Z. Perfluorononanesulfonic acid (PFNS)	M8PFOS		

LDC #: 49292A96

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: JC

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all samples associated with a given method blank?
Y N N/A Was a method blank performed for each matrix and whenever a sample extraction procedure was performed?
Y N N/A Was a method blank performed with each extraction batch?
Y N N/A Were any contaminants found in the method blanks? If yes, please see findings below.

Blank extraction date: 9/10/20
Conc. units: ng/L **Associated Samples:** 3

Compound	Blank ID	Sample Identification								
	WG140818 9-1									
C	0.856									
T	3.86									

Blank extraction date:
Conc. units: **Associated Samples:**

Compound	Blank ID	Sample Identification								

LDC #: 49292A96

VALIDATION FINDINGS WORKSHEET
Labeled Compounds

Page: 1 of 1
Reviewer: JR

METHOD: LC/MS PFAS (EPA Method 537M)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
Y (N) N/A Were all labeled compound recoveries within the QC criteria?

#	Date	Lab ID/Reference	Labeled Compound	% Recovery (Limit)	Qualifications
		1 (dets/ND)	M2-6:2FTS	426 (25-150)	JMJP (T)
			M2-8:2FTS	443 (↓)	(U)
			M8FOSA	33 (50-150)	(Q)
				( )	
		2 (dets/ND)	M2-6:2FTS	298 25-150	
			M2-8:2FTS	273 (↓)	
			M8FOSA	22 (50-150)	
				( )	
		3 (ND)	M8FOSA	49 ( )	
			↓	( )	
		WG1408878-1	↓	48 ↓	↓
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	

LDC #: 49292A96

VALIDATION FINDINGS WORKSHEET
Target Compound Identification

Reviewer: R

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was the signal to noise (S/N) ratio for all compounds within the validation criteria?
Y N N/A Were two transitions and the ion transition ratio per analyte monitored and documented with the exception of PFBA and PFPeA?
Y (N) N/A Were ion ratios within QC limits?

#	Date	Sample ID	Compound	Ion ratio (Limits)	Qualifications
		1	S	15.85 (1.96-5.87)	Jdet/P
			br-PFOS	4.90 (1.14-3.42)	No qual. L-PFOS in
			Q	Not reported	↓ < RL
		2	br-PFOS	4.81 (1.14-3.42)	No qual. L-PFOS in
			J	30.87 (4.39-13.16)	Jdet/P

LDC #: 49292A96

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Method: LC/MS PFAS (EPA Method 537M)

Calibration Date	Analyte	Standard	(X) Concentration ratio	(Y) Area ratio
8/21/2020	L-PFOA	1	0.050	0.0462177
		2	0.100	0.0925245
		3	0.500	0.4358811
		4	1.000	0.9859266
		5	5.000	4.9638252
		6	15.000	13.6260044
		7	25.000	23.8902505

Linear through the origin

	Calculated	***Reported***
Constant	0.000000	0.0000
X Coefficient(s)	0.944558	0.944065
Correlation Coefficient	0.999724	
Coefficient of Determination (r^2)	0.999448	0.999040

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Method: LC/MS PFAS (EPA Method 537M)

Date	Analyte	Standard	(Y) Concentration ratio	(X) Area Ratio	(X^2) Area Ratio
8/21/2020	L-PFOS	1	0.0365	0.030	0.0009
		2	0.0730	0.077	0.0059
		3	0.3650	0.355	0.1259
		4	0.7300	0.760	0.5778
		5	3.6500	3.679	13.5349
		6	10.9500	10.488	110.0033
		7	18.2500	18.396	338.4001

Regression Output			Reported
Constant	c =	0.0000	0
Std Err of Y Est			
Degrees of Freedom			
	a =	-0.004214	0.000137666
X Coefficient(s)			
Std Err of Coef.	b =	1.072073932	0.973195000
Correlation Coefficient		0.999899	
Coefficient of Determination (r^2)	r^ 2	0.999798	0.999394

LDC # 49297A96

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Method: LC/MS PFAS (EPA Method 537M)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound
Cx = Concentration of compound,
Ais = Area of associated internal standard
Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	True Conc	Reported Conc	Recalculated Conc	Reported %R	Recalculated %R
1	I28614	9/10/2020	L-PFOA (13C8-PFOA)	0.500	0.439	0.439	87.9	87.9
			L-PFOS (13C8-PFOS)	0.365	0.310	0.310	84.8	84.9
2	I28712	9/12/2020	L-PFOA (13C8-PFOA)	10.000	10.134	10.134	101.3	101.3
			L-PFOS (13C8-PFOS)	7.300	7.131	7.130	97.7	97.7
3			L-PFOA (13C8-PFOA)					
			L-PFOS (13C8-PFOS)					
4			L-PFOA (13C8-PFOA)					
			L-PFOS (13C8-PFOS)					
5			L-PFOA (13C8-PFOA)					
			L-PFOS (13C8-PFOS)					

LDC # 49292A96

VALIDATION FINDINGS WORKSHEET
LCS Results Verification

Reviewer: SC

Method: LC/MS PFAS (EPA Method 537M)

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control duplicate were recalculated for the compounds identified below using the following calculation:

SSC = (Area spike) (Conc IS) / (Area IS) (average RRF spike)
%Recovery = 100 * SSC/SA

Where:
SSC = Spiked concentration
SA = Spike added
LCS = Laboratory control spike recovery
LCSD = Laboratory control spike duplicate recovery

RPD = | LCS - LCSD | * 2/(LCS + LCSD)

LCS/LCSD ID: WG1408189-2/3

Compound	SA (ng/L)		SSC (ng/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
PFOA	40.0	40.0	45.4	46.9	114	114	117	117	3	3
PFOS	37.1	37.1	42.0	40.2	113	113	108	108	5	4

LDC # 49292A96

VALIDATION FINDINGS WORKSHEET
Sample Results Verification

Reviewer: SC

Method: LC/MS PFAS (EPA Method 537M)

Compound results for all Level IV samples reported with a positive detect were recalculated and verified using the following equation:

$$\text{Concentration} = \frac{(Ax)\,(Vo)\,(Df)}{(RRF)\,(Wt)\,(\%S)}$$

Where:

Ax = Area or height of the peak for the compound to be measured
Ais = Area or height of the peak for the internal standard
Cis = Concentration of the internal standard
DF = Dilution factor
Vt = Volume of extract in milliters (mL)
RRF = Average relative response factor
Wt = Weight of sample in grams (g)

Sample #	Compound	Ax	Ais	Cis	DF	RRF	Vt (mL)	Wt (g)	%S	Calculated Concentration (ng/L)	Reported Concentration (ng/L)	% Diff
1	L-PFOA	76123	97904	10	1	0.944065	1	278.08		29.62		
	br-PFOA	7795	97904	10	1	0.944065	1	278.08		3.03		
	Total									32.65	32.60	

Site: 33 Centre Avenue
Laboratory: Alpha Analytical, Inc.
Report No.: L2037216
Reviewer: Darionna Malone and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date: October 21, 2020

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-202	L2037216-01	Metals
MW-203	L2037216-02	Metals
MW-202MS	L2037216-01MS	Metals
MW-202DUP	L2037216-01DUP	Metals
MW-203MS	L2037216-02MS	Metals
MW-203DUP	L2037216-02DUP	Metals

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed water samples were collected on September 9, 2020 and were analyzed for metals by SW-846 methods 6020B/7470A. The data validation was performed in accordance with USEPA Region 2 *Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program,* SOP HW-3b/c, Revision 1 (September 2016) and the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review,* EPA 540-R-2017-001 (January 2017), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS) Results
- Serial Dilution Results
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met.

CRQL Standard Recoveries

All criteria were met.

Blank Results

Analytes were detected below the reporting limits in the laboratory blank samples. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
ICB/CCB	Thallium	0.452 ug/L	RL	MW-202
	Iron	27.3 ug/L	RL	MW-203

Blank Actions for analytes detected below the reporting limit(RL).
If the sample result is < RL, report the result as nondetect (U) at the RL.
If the sample result is > RL or nondetect, no action is required.
Blank Actions for analytes detected above the reporting limit or RL.
If the sample result is < RL and <action level; report the result as nondetect (U) at the RL.
If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.
If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
MW-202	Thallium	0.00016 mg/L	0.00050U mg/L
MW-203	Thallium	0.00020 mg/L	0.00050U mg/L

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

A field blank was not associated with this sample set. Validation action was not required on this basis.

ICP ICS Results

Analytes were within control limits in the SIC analysis.

MS Results

MS analyses were performed on samples MW-202 and MW-203 for metals analyses. All criteria were met.

Laboratory Duplicate Results

Laboratory duplicates were performed on samples MW-202 and MW-203 for metals analyses. All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on samples MW-202 and MW-203 for metals analyses. All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the metals analyses. These results were estimated (J) by the laboratory.

Due to high target analyte levels or sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	Metals analyses Reported
MW-203	10-fold dilution due to high analyte level for aluminum

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 49292A4b
SDG #: L2037216
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date:10/20/2020

Reviewer:DTM
2nd Reviewer:

METHOD: Metals (EPA SW 846 Method 6020B/7470A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	N	SIC
IV.	Laboratory Blanks	SW	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	SW	3 Na>4x Spike
VII.	Duplicate sample analysis	A	
VIII.	Serial Dilution	A	
IX.	Laboratory control samples	A	LCS
X.	Field Duplicates	N	
XI.	Sample Result Verification	A	
XII.	Overall Assessment of Data	A	MDL<Samples<RL, Jdet/A

Tune: A
Internal Standard:A

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-202	L2037216-01	Water	09/09/20
2	MW-203 (6020-HighAnalyte-10x) A	L2037216-02	Water	09/09/20
3	MW-202MS	L2037216-01MS	Water	09/09/20
4	MW-202DUP	L2037216-01DUP	Water	09/09/20
5	MW-203MS	L2037216-02MS	Water	09/09/20
6	MW-203DUP	L2037216-02DUP	Water	09/09/20
7				
8				
9				
10				

Notes:

Method: Metals (EPA SW 846 Method 6010/6020/7000)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. ICP/MS Tune				
Were all isotopes in the tuning solution mass resolution within 0.1 amu?	✓			
Were %RSD of isotopes in the tuning solution ≤5%?	✓			
III. Calibration				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial and continuing calibration verification %Rs within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low standard checks within 70-130%			✓	
Were all initial calibration correlation coefficients within limits as specified by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
V. ICP Interference Check Sample				
Were ICP interference check samples performed daily?	✓			
Were the AB solution percent recoveries (%R) with the 80-120% QC limits?			✓	
VI. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water.	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.	✓			
Were the MS/MSD or duplicate relative percent differences (RPD) ≤ 20% for waters and ≤ 35% for soil samples? A control limit of +/- RL(+/-2X RL for soil) was used for samples that were ≤ 5X the RL, including when only one of the duplicate sample values were ≤ 5X the RL.	✓			
VII. Laboratory control samples				
Was an LCS anaylzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?				

Validation Area	Yes	No	NA	Findings/Comments
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% QC limits for water samples and laboratory established QC limits for soils?				

VIII. Internal Standards (EPA SW 846 Method 6020/EPA 200.8)				
Were all the percent recoveries (%R) within the 30-120% (6020)/60-125% (200.8) of the intensity of the internal standard in the associated initial calibration?				
If the %Rs were outside the criteria, was a reanalysis performed?				
IX. ICP Serial Dilution				
Was an ICP serial dilution analyzed if analyte concentrations were > 50X the MDL (ICP)/>100X the MDL(ICP/MS)?				
Were all percent differences (%Ds) ≤ 10%?				
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.				
X. Sample Result Verification				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?				
XI. Overall assessment of data				
Overall assessment of data was found to be acceptable.				
XII. Field duplicates				
Field duplicate pairs were identified in this SDG.				
Target analytes were detected in the field duplicates.				
XIII. Field blanks				
Field blanks were identified in this SDG.				
Target analytes were detected in the field blanks.				

VALIDATION FINDINGS WORKSHEET

Sample Specific Element Reference

Reviewer: DTM

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1	W	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn
2	W	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, Tl, V, Zn
2	W	Hg
QC 3-4	W	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, Tl, V, Zn
QC 5-6	W	Hg
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
Analysis Method		
ICP		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
ICP-MS		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
GFAA		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr

Comments: Mercury by CVAA if performed

#: 49292A4a

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace metals (EPA SW 864 Method 6010/6020/7000)
Sample Concentration units, unless otherwise noted: mg/L

Soil preparation factor applied:
Associated Samples: ALL

					Sample Identification										
Analyte	**Maximum PB[a] (mg/L)**	**Maximum PB[a] (ug/L)**	**Maximum ICB/CCB[a] (ug/L)**	**Action Level**	**1**	**2**									
Tl			0.452		0.00016/0.00050	0.00020/0.00050									
Fe			27.3												

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".

Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 49292A4a

VALIDATION FINDINGS WORKSHEET

Initial and Continuing Calibration Calculation Verification

Reviewer: DTM

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution

True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
N	ICP (Low Level calibration)						
N	ICP/MS (Low Level calibration)						
N	ICP (Initial calibration)						
ICV	ICP/MS (Initial calibration)	Co	49.9	50.0	100	100	Y
ICV	CVAA (Initial calibration)	Hg	0.0031	0.0030	102	102	Y
N	ICP (Continuing calibration)						
CCV8	ICP/MS (Continuing calibration)	As	59.9	60.0	100	100	Y
CCV19	CVAA (Continuing calibration)	Hg	0.0103	0.0100	103	103	Y

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
9/10/2020	Mass Axis	59	58.9	± 0.1 AMU	NA	Y
9/10/2020	%RSD	115	0.9	≤ 5% RSD	0.9	Y

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).

True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration

D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)

SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
N	ICP interference check						
LCS	Laboratory control sample	Be	0.0501mg/L	0.0500mg/L	100	100	Y
3	Matrix spike	Pb	(SSR-SR) 0.5426mg/L	0.5100mg/L	106	106	Y
6	Duplicate	Hg	ND	ND	NC	NC	Y
1	ICP serial dilution	Na	262mg/L	280mg/L	6	6	Y

LDC #: 49292A4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: DTM

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Have results been reported and calculated correctly?
Y N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
Y N N/A Are all detection limits below the CRDL?

Detected analyte results for Ba,Fe were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$ Recalculation:

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

#	Sample ID	Analyte	Reported Concentration (mg/L)	Calculated Concentration (mg/L)	Acceptable (Y/N)
	1	Ba	0.1293	0.1293	Y
	2	Fe	11.0	11.0	Y

Huguenot Street Development - LDC# 49292A

SDG: L2037216

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-202	L2037216-01	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/12/2020	16	Y	Y				1.8	0.214	ng/l
MW-202	L2037216-01	PERFLUORODECANESULFONIC ACID (PFDS)	9/12/2020		Y	N	U		U	1.8	0.881	ng/l
MW-202	L2037216-01	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/12/2020		Y	N	U		U	1.8	0.582	ng/l
MW-202	L2037216-01	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/12/2020		Y	N	U	UJ	UJ	1.8	1.09	ng/l
MW-202	L2037216-01	PERFLUOROUNDECANOIC ACID (PFUNA)	9/12/2020	0.36	Y	Y	J		J	1.8	0.234	ng/l
MW-202	L2037216-01	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/12/2020	1.66	Y	Y	J		J	1.8	0.294	ng/l
MW-202	L2037216-01	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/12/2020	0.68	Y	Y	J	J	J	1.8	0.521	ng/l
MW-202	L2037216-01	PERFLUORODODECANOIC ACID (PFDOA)	9/12/2020	0.741	Y	Y	J		J	1.8	0.334	ng/l
MW-202	L2037216-01	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/12/2020	0.885	Y	Y	J	J	J	1.8	0.723	ng/l
MW-202	L2037216-01	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/12/2020	5.02	Y	Y		J	J	1.8	1.2	ng/l
MW-202	L2037216-01	PFOA/PFOS, TOTAL	9/12/2020	137	Y	Y				1.8	0.212	ng/l
MW-202	L2037216-01	PERFLUOROPENTANOIC ACID (PFPEA)	9/12/2020	15.4	Y	Y				1.8	0.356	ng/l
MW-202	L2037216-01	PERFLUOROBUTANOIC ACID (PFBA)	9/12/2020	29.3	Y	Y				1.8	0.367	ng/l
MW-202	L2037216-01	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/12/2020	104	Y	Y	F			1.8	0.453	ng/l
MW-202	L2037216-01	PERFLUOROOCTANOIC ACID (PFOA)	9/12/2020	32.6	Y	Y				1.8	0.212	ng/l
MW-202	L2037216-01	PERFLUORONONANOIC ACID (PFNA)	9/12/2020	3.16	Y	Y				1.8	0.28	ng/l
MW-202	L2037216-01	PERFLUOROHEXANOIC ACID (PFHXA)	9/12/2020	14	Y	Y				1.8	0.295	ng/l
MW-202	L2037216-01	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/12/2020	5.89	Y	Y				1.8	0.338	ng/l

SDG: L2037216

Analytical Method	E537(M)											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-202	L2037216-01	PERFLUOROHEPTANOIC ACID (PFHPA)	9/12/2020	10.2	Y	Y				1.8	0.202	ng/l
MW-202	L2037216-01	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/12/2020	2.33	Y	Y				1.8	0.618	ng/l
MW-202	L2037216-01	PERFLUORODECANOIC ACID (PFDA)	9/12/2020	3.4	Y	Y				1.8	0.273	ng/l
MW-202	L2037216-01	PERFLUOROTETRADECANOIC ACID (PFTA)	9/12/2020	1.91	Y	Y				1.8	0.223	ng/l
MW-203	L2037216-02	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/12/2020	15.9	Y	Y				1.86	0.221	ng/l
MW-203	L2037216-02	PERFLUOROOCTANOIC ACID (PFOA)	9/12/2020	35	Y	Y				1.86	0.219	ng/l
MW-203	L2037216-02	PERFLUOROPENTANOIC ACID (PFPEA)	9/12/2020	14.9	Y	Y				1.86	0.368	ng/l
MW-203	L2037216-02	PERFLUOROHEXANOIC ACID (PFHXA)	9/12/2020	14.6	Y	Y				1.86	0.304	ng/l
MW-203	L2037216-02	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/12/2020	6.5	Y	Y				1.86	0.349	ng/l
MW-203	L2037216-02	PERFLUOROHEPTANOIC ACID (PFHPA)	9/12/2020	10.2	Y	Y				1.86	0.209	ng/l
MW-203	L2037216-02	PERFLUORONONANOIC ACID (PFNA)	9/12/2020	2.77	Y	Y				1.86	0.29	ng/l
MW-203	L2037216-02	PERFLUOROBUTANOIC ACID (PFBA)	9/12/2020	14.9	Y	Y				1.86	0.379	ng/l
MW-203	L2037216-02	PFOA/PFOS, TOTAL	9/12/2020	114	Y	Y				1.86	0.219	ng/l
MW-203	L2037216-02	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/12/2020	7.54	Y	Y		J	J	1.86	1.24	ng/l
MW-203	L2037216-02	PERFLUOROUNDECANOIC ACID (PFUNA)	9/12/2020		Y	N	U		U	1.86	0.241	ng/l
MW-203	L2037216-02	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/12/2020		Y	N	U	UJ	UJ	1.86	0.538	ng/l
MW-203	L2037216-02	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/12/2020	0.319	Y	Y	J	J	J	1.86	0.304	ng/l
MW-203	L2037216-02	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/12/2020	78.9	Y	Y	F			1.86	0.468	ng/l
MW-203	L2037216-02	PERFLUORODECANOIC ACID (PFDA)	9/12/2020	1.57	Y	Y	J		J	1.86	0.282	ng/l
MW-203	L2037216-02	PERFLUORODODECANOIC ACID (PFDOA)	9/12/2020		Y	N	U		U	1.86	0.345	ng/l
MW-203	L2037216-02	PERFLUOROTETRADECANOIC ACID (PFTA)	9/12/2020	0.408	Y	Y	J		J	1.86	0.23	ng/l

SDG: L2037216

Analytical Method	E537(M)											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
MW-203	L2037216-02	PERFLUORODECANESULFONIC ACID (PFDS)	9/12/2020		Y	N	U		U	1.86	0.91	ng/l
MW-203	L2037216-02	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/12/2020		Y	N	U		U	1.86	0.601	ng/l
MW-203	L2037216-02	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/12/2020		Y	N	U		U	1.86	0.746	ng/l
MW-203	L2037216-02	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/12/2020		Y	N	U	UJ	UJ	1.86	1.12	ng/l
MW-203	L2037216-02	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/12/2020	2.4	Y	Y				1.86	0.639	ng/l
PFAS FIELD BLANK	L2037216-04	PERFLUOROHEPTANOIC ACID (PFHPA)	9/10/2020		Y	N	U		U	2.04	0.23	ng/l
PFAS FIELD BLANK	L2037216-04	PERFLUOROUNDECANOIC ACID (PFUNA)	9/10/2020		Y	N	U		U	2.04	0.265	ng/l
PFAS FIELD BLANK	L2037216-04	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/10/2020		Y	N	U		U	2.04	0.334	ng/l
PFAS FIELD BLANK	L2037216-04	PERFLUOROPENTANOIC ACID (PFPEA)	9/10/2020		Y	N	U		U	2.04	0.404	ng/l
PFAS FIELD BLANK	L2037216-04	PERFLUORONONANOIC ACID (PFNA)	9/10/2020		Y	N	U		U	2.04	0.318	ng/l
PFAS FIELD BLANK	L2037216-04	PERFLUOROOCTANOIC ACID (PFOA)	9/10/2020		Y	N	U		U	2.04	0.241	ng/l
PFAS FIELD BLANK	L2037216-04	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/10/2020		Y	N	U		U	2.04	0.514	ng/l
PFAS FIELD BLANK	L2037216-04	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/10/2020		Y	N	U	UJ	UJ	2.04	0.592	ng/l
PFAS FIELD BLANK	L2037216-04	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/10/2020		Y	N	U		U	2.04	0.702	ng/l
PFAS FIELD BLANK	L2037216-04	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/10/2020		Y	N	U		U	2.04	0.661	ng/l
PFAS FIELD BLANK	L2037216-04	PERFLUOROHEXANOIC ACID (PFHXA)	9/10/2020		Y	N	U		U	2.04	0.335	ng/l
PFAS FIELD BLANK	L2037216-04	PERFLUOROTETRADECANOIC ACID (PFTA)	9/10/2020		Y	N	U		U	2.04	0.253	ng/l
PFAS FIELD BLANK	L2037216-04	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/10/2020		Y	N	U		U	2.04	1.24	ng/l

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
PFAS FIELD BLANK	L2037216-04	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/10/2020		Y	N	U		U	2.04	0.384	ng/l
PFAS FIELD BLANK	L2037216-04	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/10/2020		Y	N	U		U	2.04	0.82	ng/l
PFAS FIELD BLANK	L2037216-04	PFOA/PFOS, TOTAL	9/10/2020		Y	N	U		U	2.04	0.241	ng/l
PFAS FIELD BLANK	L2037216-04	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/10/2020		Y	N	U		U	2.04	0.243	ng/l
PFAS FIELD BLANK	L2037216-04	PERFLUOROBUTANOIC ACID (PFBA)	9/10/2020		Y	N	U		U	2.04	0.416	ng/l
PFAS FIELD BLANK	L2037216-04	PERFLUORODECANESULFONIC ACID (PFDS)	9/10/2020		Y	N	U		U	2.04	1	ng/l
PFAS FIELD BLANK	L2037216-04	PERFLUORODECANOIC ACID (PFDA)	9/10/2020		Y	N	U		U	2.04	0.31	ng/l
PFAS FIELD BLANK	L2037216-04	PERFLUORODODECANOIC ACID (PFDOA)	9/10/2020		Y	N	U		U	2.04	0.38	ng/l
PFAS FIELD BLANK	L2037216-04	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/10/2020		Y	N	U		U	2.04	1.36	ng/l

Analytical Method SW6020B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-202	L2037216-01	COPPER, TOTAL	9/10/2020	0.00051	Y	Y	J		J	0.001	0.00038	mg/l
MW-202	L2037216-01	CHROMIUM, TOTAL	9/10/2020	0.00065	Y	Y	J		J	0.001	0.00017	mg/l
MW-202	L2037216-01	ZINC, TOTAL	9/10/2020	0.2406	Y	Y				0.01	0.00341	mg/l
MW-202	L2037216-01	THALLIUM, TOTAL	9/10/2020		Y	N	J	U	U	0.0005	0.00014	mg/l
MW-202	L2037216-01	BERYLLIUM, TOTAL	9/10/2020		Y	N	U		U	0.0005	0.0001	mg/l
MW-202	L2037216-01	ALUMINUM, TOTAL	9/10/2020	0.236	Y	Y				0.01	0.00327	mg/l
MW-202	L2037216-01	ARSENIC, TOTAL	9/10/2020	0.00079	Y	Y				0.0005	0.00016	mg/l
MW-202	L2037216-01	BARIUM, TOTAL	9/10/2020	0.1293	Y	Y				0.0005	0.00017	mg/l
MW-202	L2037216-01	CALCIUM, TOTAL	9/10/2020	85.9	Y	Y				0.1	0.0394	mg/l
MW-202	L2037216-01	VANADIUM, TOTAL	9/10/2020		Y	N	U		U	0.005	0.00157	mg/l

SDG: L2037216

Analytical Method	SW6020B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-202	L2037216-01	SILVER, TOTAL	9/10/2020		Y	N	U		U	0.0004	0.00016	mg/l
MW-202	L2037216-01	SELENIUM, TOTAL	9/10/2020		Y	N	U		U	0.005	0.00173	mg/l
MW-202	L2037216-01	MANGANESE, TOTAL	9/10/2020	0.6885	Y	Y				0.001	0.00044	mg/l
MW-202	L2037216-01	CADMIUM, TOTAL	9/10/2020		Y	N	U		U	0.0002	0.00005	mg/l
MW-202	L2037216-01	SODIUM, TOTAL	9/10/2020	280	Y	Y				0.1	0.0293	mg/l
MW-202	L2037216-01	ANTIMONY, TOTAL	9/10/2020		Y	N	U		U	0.004	0.00042	mg/l
MW-202	L2037216-01	COBALT, TOTAL	9/10/2020	0.00118	Y	Y				0.0005	0.00016	mg/l
MW-202	L2037216-01	IRON, TOTAL	9/10/2020	4.44	Y	Y				0.05	0.0191	mg/l
MW-202	L2037216-01	MAGNESIUM, TOTAL	9/10/2020	23	Y	Y				0.07	0.0242	mg/l
MW-202	L2037216-01	NICKEL, TOTAL	9/10/2020	0.00272	Y	Y				0.002	0.00055	mg/l
MW-202	L2037216-01	POTASSIUM, TOTAL	9/10/2020	31.4	Y	Y				0.1	0.0309	mg/l
MW-202	L2037216-01	LEAD, TOTAL	9/10/2020		Y	N	U		U	0.001	0.00034	mg/l
MW-203	L2037216-02	BERYLLIUM, TOTAL	9/10/2020	0.00121	Y	Y				0.0005	0.0001	mg/l
MW-203	L2037216-02	ANTIMONY, TOTAL	9/10/2020		Y	N	U		U	0.004	0.00042	mg/l
MW-203	L2037216-02	ARSENIC, TOTAL	9/10/2020	0.00081	Y	Y				0.0005	0.00016	mg/l
MW-203	L2037216-02	THALLIUM, TOTAL	9/10/2020		Y	N	J	U	U	0.0005	0.00014	mg/l
MW-203	L2037216-02	CHROMIUM, TOTAL	9/10/2020	0.00096	Y	Y	J		J	0.001	0.00017	mg/l
MW-203	L2037216-02	CADMIUM, TOTAL	9/10/2020	0.00013	Y	Y	J		J	0.0002	0.00005	mg/l
MW-203	L2037216-02	VANADIUM, TOTAL	9/10/2020		Y	N	U		U	0.005	0.00157	mg/l
MW-203	L2037216-02	SELENIUM, TOTAL	9/10/2020		Y	N	U		U	0.005	0.00173	mg/l
MW-203	L2037216-02	ZINC, TOTAL	9/10/2020	0.02262	Y	Y				0.01	0.00341	mg/l
MW-203	L2037216-02	SODIUM, TOTAL	9/10/2020	189	Y	Y				0.1	0.0293	mg/l
MW-203	L2037216-02	POTASSIUM, TOTAL	9/10/2020	20.4	Y	Y				0.1	0.0309	mg/l
MW-203	L2037216-02	COBALT, TOTAL	9/10/2020	0.00773	Y	Y				0.0005	0.00016	mg/l
MW-203	L2037216-02	BARIUM, TOTAL	9/10/2020	0.251	Y	Y				0.0005	0.00017	mg/l

SDG: L2037216

Analytical Method	SW6020B											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
MW-203	L2037216-02	SILVER, TOTAL	9/10/2020		Y	N	U		U	0.0004	0.00016	mg/l
MW-203	L2037216-02	CALCIUM, TOTAL	9/10/2020	228	Y	Y				0.1	0.0394	mg/l
MW-203	L2037216-02	NICKEL, TOTAL	9/10/2020	0.04938	Y	Y				0.002	0.00055	mg/l
MW-203	L2037216-02	COPPER, TOTAL	9/10/2020	0.03099	Y	Y				0.001	0.00038	mg/l
MW-203	L2037216-02	IRON, TOTAL	9/10/2020	11	Y	Y				0.05	0.0191	mg/l
MW-203	L2037216-02	MANGANESE, TOTAL	9/10/2020	3.863	Y	Y				0.001	0.00044	mg/l
MW-203	L2037216-02	MAGNESIUM, TOTAL	9/10/2020	75.8	Y	Y				0.07	0.0242	mg/l
MW-203	L2037216-02	LEAD, TOTAL	9/10/2020	0.00125	Y	Y				0.001	0.00034	mg/l
MW-203	L2037216-02	ALUMINUM, TOTAL	9/10/2020	0.671	Y	Y				0.1	0.0327	mg/l
Analytical Method	SW7470A											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
MW-202	L2037216-01	MERCURY, TOTAL	9/10/2020		Y	N	U		U	0.0002	0.00009	mg/l
MW-203	L2037216-02	MERCURY, TOTAL	9/10/2020		Y	N	U		U	0.0002	0.00009	mg/l
Analytical Method	SW8260C											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
MW-202	L2037216-01	HEXACHLOROBUTADIENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	VINYL ACETATE	9/10/2020		Y	N	U		U	5	1	ug/l
MW-202	L2037216-01	TRICHLOROFLUOROMETHANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	TOLUENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	STYRENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	NAPHTHALENE	9/10/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
MW-202	L2037216-01	METHYLENE CHLORIDE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	METHYL TERT BUTYL ETHER	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	ACETONE	9/10/2020	15	Y	Y				5	1.5	ug/l

SDG: L2037216

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-202	L2037216-01	CARBON DISULFIDE	9/10/2020		Y	N	U		U	5	1	ug/l
MW-202	L2037216-01	VINYL CHLORIDE	9/10/2020		Y	N	U		U	1	0.07	ug/l
MW-202	L2037216-01	CHLOROMETHANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	BROMOMETHANE	9/10/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
MW-202	L2037216-01	CARBON TETRACHLORIDE	9/10/2020		Y	N	U		U	0.5	0.13	ug/l
MW-202	L2037216-01	BROMOFORM	9/10/2020		Y	N	U		U	2	0.65	ug/l
MW-202	L2037216-01	CHLOROBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	CHLOROFORM	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	CHLOROETHANE	9/10/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
MW-202	L2037216-01	ISOPROPYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	SEC-BUTYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	DIBROMOMETHANE	9/10/2020		Y	N	U		U	5	1	ug/l
MW-202	L2037216-01	BROMODICHLOROMETHANE	9/10/2020		Y	N	U		U	0.5	0.19	ug/l
MW-202	L2037216-01	BROMOCHLOROMETHANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	BROMOBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	TRANS-1,4-DICHLORO-2-BUTENE	9/10/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
MW-202	L2037216-01	TRANS-1,3-DICHLOROPROPENE	9/10/2020		Y	N	U		U	0.5	0.16	ug/l
MW-202	L2037216-01	TRANS-1,2-DICHLOROETHENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	TERT-BUTYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	2-BUTANONE	9/10/2020	47	Y	Y				5	1.9	ug/l
MW-202	L2037216-01	CIS-1,2-DICHLOROETHENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	P-ISOPROPYLTOLUENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	4-ETHYLTOLUENE	9/10/2020		Y	N	U		U	2	0.7	ug/l
MW-202	L2037216-01	1,4-DIETHYLBENZENE	9/10/2020		Y	N	U		U	2	0.7	ug/l
MW-202	L2037216-01	P-CHLOROTOLUENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l

SDG: L2037216

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-202	L2037216-01	O-CHLOROTOLUENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	N-PROPYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	N-BUTYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	CIS-1,3-DICHLOROPROPENE	9/10/2020		Y	N	U		U	0.5	0.14	ug/l
MW-202	L2037216-01	DIBROMOCHLOROMETHANE	9/10/2020		Y	N	U		U	0.5	0.15	ug/l
MW-202	L2037216-01	1,2,3-TRICHLOROBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	XYLENE (TOTAL)	9/10/2020	22	Y	Y				2.5	0.7	ug/l
MW-202	L2037216-01	P/M-XYLENE	9/10/2020	14	Y	Y				2.5	0.7	ug/l
MW-202	L2037216-01	1,1-DICHLOROPROPENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	4-METHYL-2-PENTANONE	9/10/2020		Y	N	U	UJ	UJ	5	1	ug/l
MW-202	L2037216-01	2-HEXANONE	9/10/2020		Y	N	U	UJ	UJ	5	1	ug/l
MW-202	L2037216-01	2,2-DICHLOROPROPANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	1,4-DIOXANE	9/10/2020		Y	N	U	UJ	UJ	250	61	ug/l
MW-202	L2037216-01	ETHYL ETHER	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	DICHLORODIFLUOROMETHANE	9/10/2020		Y	N	U		U	5	1	ug/l
MW-202	L2037216-01	ETHYLBENZENE	9/10/2020	4.3	Y	Y				2.5	0.7	ug/l
MW-202	L2037216-01	1,2,3-TRICHLOROPROPANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	O-XYLENE	9/10/2020	8.1	Y	Y				2.5	0.7	ug/l
MW-202	L2037216-01	1,4-DICHLOROBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	1,3-DICHLOROPROPENE, TOTAL	9/10/2020		Y	N	U		U	0.5	0.14	ug/l
MW-202	L2037216-01	1,3-DICHLOROPROPANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	1,3-DICHLOROBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	1,1,1,2-TETRACHLOROETHANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	1,1,1-TRICHLOROETHANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	1,1,2,2-TETRACHLOROETHANE	9/10/2020		Y	N	U		U	0.5	0.17	ug/l

SDG: L2037216

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-202	L2037216-01	1,1,2-TRICHLOROETHANE	9/10/2020		Y	N	U		U	1.5	0.5	ug/l
MW-202	L2037216-01	1,1-DICHLOROETHANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	1,1-DICHLOROETHENE	9/10/2020		Y	N	U		U	0.5	0.17	ug/l
MW-202	L2037216-01	1,2,4,5-TETRAMETHYLBENZENE	9/10/2020		Y	N	U		U	2	0.54	ug/l
MW-202	L2037216-01	BENZENE	9/10/2020		Y	N	U		U	0.5	0.16	ug/l
MW-202	L2037216-01	TETRACHLOROETHENE	9/10/2020	0.44	Y	Y	J		J	0.5	0.18	ug/l
MW-202	L2037216-01	1,2-DICHLOROETHENE (TOTAL)	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	1,2,4-TRIMETHYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	1,2-DICHLOROPROPANE	9/10/2020		Y	N	U		U	1	0.14	ug/l
MW-202	L2037216-01	1,2-DICHLOROBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	ACRYLONITRILE	9/10/2020		Y	N	U		U	5	1.5	ug/l
MW-202	L2037216-01	1,2-DICHLOROETHANE	9/10/2020		Y	N	U		U	0.5	0.13	ug/l
MW-202	L2037216-01	1,2-DIBROMOETHANE	9/10/2020		Y	N	U		U	2	0.65	ug/l
MW-202	L2037216-01	1,2,4-TRICHLOROBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	UNKNOWN	9/10/2020	1.37	Y	Y	J		J			
MW-202	L2037216-01	1,3,5-TRIMETHYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
MW-202	L2037216-01	TRICHLOROETHENE	9/10/2020	0.24	Y	Y	J		J	0.5	0.18	ug/l
MW-202	L2037216-01	TOTAL TIC COMPOUNDS	9/10/2020	1.37	Y	Y	J		J			
MW-202	L2037216-01	1,2-DIBROMO-3-CHLOROPROPANE	9/10/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
MW-203	L2037216-02	CARBON TETRACHLORIDE	9/10/2020		Y	N	U		U	10	2.7	ug/l
MW-203	L2037216-02	NAPHTHALENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	CHLOROBENZENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	ACETONE	9/10/2020	330	Y	Y		J	J	100	29	ug/l
MW-203	L2037216-02	CARBON DISULFIDE	9/10/2020		Y	N	U		U	100	20	ug/l
MW-203	L2037216-02	CHLOROETHANE	9/10/2020		Y	N	U		U	50	14	ug/l

SDG: L2037216

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-203	L2037216-02	METHYLENE CHLORIDE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	ISOPROPYLBENZENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	HEXACHLOROBUTADIENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	ETHYLBENZENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	CHLOROFORM	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	ETHYL ETHER	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	CHLOROMETHANE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	DIBROMOCHLOROMETHANE	9/10/2020		Y	N	U		U	10	3	ug/l
MW-203	L2037216-02	DIBROMOMETHANE	9/10/2020		Y	N	U		U	100	20	ug/l
MW-203	L2037216-02	2-BUTANONE	9/10/2020	2400	Y	Y		J	J	100	39	ug/l
MW-203	L2037216-02	VINYL CHLORIDE	9/10/2020		Y	N	U		U	20	1.4	ug/l
MW-203	L2037216-02	METHYL TERT BUTYL ETHER	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	N-PROPYLBENZENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	SEC-BUTYLBENZENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	TERT-BUTYLBENZENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	TRANS-1,2-DICHLOROETHENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	TRANS-1,3-DICHLOROPROPENE	9/10/2020		Y	N	U		U	10	3.3	ug/l
MW-203	L2037216-02	TRANS-1,4-DICHLORO-2-BUTENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	P-ISOPROPYLTOLUENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	4-ETHYLTOLUENE	9/10/2020		Y	N	U		U	40	14	ug/l
MW-203	L2037216-02	1,4-DIETHYLBENZENE	9/10/2020		Y	N	U		U	40	14	ug/l
MW-203	L2037216-02	P-CHLOROTOLUENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	BROMOMETHANE	9/10/2020		Y	N	U	UJ	UJ	50	14	ug/l
MW-203	L2037216-02	O-CHLOROTOLUENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	STYRENE	9/10/2020		Y	N	U		U	50	14	ug/l

SDG: L2037216

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-203	L2037216-02	N-BUTYLBENZENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	CIS-1,3-DICHLOROPROPENE	9/10/2020		Y	N	U		U	10	2.9	ug/l
MW-203	L2037216-02	CIS-1,2-DICHLOROETHENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	XYLENE (TOTAL)	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	1,2-DICHLOROPROPANE	9/10/2020		Y	N	U		U	20	2.7	ug/l
MW-203	L2037216-02	VINYL ACETATE	9/10/2020		Y	N	U		U	100	20	ug/l
MW-203	L2037216-02	TRICHLOROETHENE	9/10/2020		Y	N	U		U	10	3.5	ug/l
MW-203	L2037216-02	TOLUENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	TETRACHLOROETHENE	9/10/2020		Y	N	U		U	10	3.6	ug/l
MW-203	L2037216-02	O-XYLENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	1,1,2-TRICHLOROETHANE	9/10/2020		Y	N	U		U	30	10	ug/l
MW-203	L2037216-02	1,2,4-TRIMETHYLBENZENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	1,2,4-TRICHLOROBENZENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	1,2,4,5-TETRAMETHYLBENZENE	9/10/2020		Y	N	U		U	40	11	ug/l
MW-203	L2037216-02	1,2,3-TRICHLOROPROPANE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	1,2,3-TRICHLOROBENZENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	BROMOFORM	9/10/2020		Y	N	U		U	40	13	ug/l
MW-203	L2037216-02	1,2-DIBROMO-3-CHLOROPROPANE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	1,3-DICHLOROBENZENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	1,1-DICHLOROPROPENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	1,1,2,2-TETRACHLOROETHANE	9/10/2020		Y	N	U		U	10	3.3	ug/l
MW-203	L2037216-02	1,1,1-TRICHLOROETHANE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	1,1,1,2-TETRACHLOROETHANE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	DICHLORODIFLUOROMETHANE	9/10/2020		Y	N	U	UJ	UJ	100	20	ug/l
MW-203	L2037216-02	TRICHLOROFLUOROMETHANE	9/10/2020		Y	N	U	UJ	UJ	50	14	ug/l

SDG: L2037216

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-203	L2037216-02	P/M-XYLENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	1,1-DICHLOROETHENE	9/10/2020		Y	N	U		U	10	3.4	ug/l
MW-203	L2037216-02	4-METHYL-2-PENTANONE	9/10/2020		Y	N	U		U	100	20	ug/l
MW-203	L2037216-02	BROMOCHLOROMETHANE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	BROMOBENZENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	1,1-DICHLOROETHANE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	1,2-DIBROMOETHANE	9/10/2020		Y	N	U		U	40	13	ug/l
MW-203	L2037216-02	BROMODICHLOROMETHANE	9/10/2020		Y	N	U		U	10	3.8	ug/l
MW-203	L2037216-02	ACRYLONITRILE	9/10/2020		Y	N	U		U	100	30	ug/l
MW-203	L2037216-02	2-HEXANONE	9/10/2020		Y	N	U		U	100	20	ug/l
MW-203	L2037216-02	2,2-DICHLOROPROPANE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	1,2-DICHLOROETHENE (TOTAL)	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	1,4-DICHLOROBENZENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	1,3-DICHLOROPROPENE, TOTAL	9/10/2020		Y	N	U		U	10	2.9	ug/l
MW-203	L2037216-02	1,2-DICHLOROBENZENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	1,3-DICHLOROPROPANE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	1,3,5-TRIMETHYLBENZENE	9/10/2020		Y	N	U		U	50	14	ug/l
MW-203	L2037216-02	1,4-DIOXANE	9/10/2020		Y	N	U	UJ	UJ	5000	1200	ug/l
MW-203	L2037216-02	BENZENE	9/10/2020		Y	N	U		U	10	3.2	ug/l
MW-203	L2037216-02	1,2-DICHLOROETHANE	9/10/2020		Y	N	U		U	10	2.6	ug/l
TRIP BLANK	L2037216-03	TERT-BUTYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	TRANS-1,2-DICHLOROETHENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	TRANS-1,3-DICHLOROPROPENE	9/10/2020		Y	N	U		U	0.5	0.16	ug/l
TRIP BLANK	L2037216-03	4-ETHYLTOLUENE	9/10/2020		Y	N	U		U	2	0.7	ug/l
TRIP BLANK	L2037216-03	SEC-BUTYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l

SDG: L2037216

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
TRIP BLANK	L2037216-03	1,3-DICHLOROPROPENE, TOTAL	9/10/2020		Y	N	U		U	0.5	0.14	ug/l
TRIP BLANK	L2037216-03	TRANS-1,4-DICHLORO-2-BUTENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	P/M-XYLENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	ACRYLONITRILE	9/10/2020		Y	N	U		U	5	1.5	ug/l
TRIP BLANK	L2037216-03	4-METHYL-2-PENTANONE	9/10/2020		Y	N	U		U	5	1	ug/l
TRIP BLANK	L2037216-03	2-HEXANONE	9/10/2020		Y	N	U		U	5	1	ug/l
TRIP BLANK	L2037216-03	2,2-DICHLOROPROPANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	1,4-DICHLOROBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	1,3-DICHLOROPROPANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	1,4-DIOXANE	9/10/2020		Y	N	U	UJ	UJ	250	61	ug/l
TRIP BLANK	L2037216-03	VINYL CHLORIDE	9/10/2020		Y	N	U		U	1	0.07	ug/l
TRIP BLANK	L2037216-03	DIBROMOMETHANE	9/10/2020		Y	N	U		U	5	1	ug/l
TRIP BLANK	L2037216-03	ETHYL ETHER	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	ETHYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	HEXACHLOROBUTADIENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	ISOPROPYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	METHYL TERT BUTYL ETHER	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	METHYLENE CHLORIDE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	NAPHTHALENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	STYRENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	TETRACHLOROETHENE	9/10/2020		Y	N	U		U	0.5	0.18	ug/l
TRIP BLANK	L2037216-03	TOLUENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	TRICHLOROETHENE	9/10/2020		Y	N	U		U	0.5	0.18	ug/l
TRIP BLANK	L2037216-03	DIBROMOCHLOROMETHANE	9/10/2020		Y	N	U		U	0.5	0.15	ug/l
TRIP BLANK	L2037216-03	VINYL ACETATE	9/10/2020		Y	N	U		U	5	1	ug/l

SDG: L2037216

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
TRIP BLANK	L2037216-03	CIS-1,2-DICHLOROETHENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	XYLENE (TOTAL)	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	BROMOMETHANE	9/10/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	CIS-1,3-DICHLOROPROPENE	9/10/2020		Y	N	U		U	0.5	0.14	ug/l
TRIP BLANK	L2037216-03	N-PROPYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	O-CHLOROTOLUENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	O-XYLENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	1,4-DIETHYLBENZENE	9/10/2020		Y	N	U		U	2	0.7	ug/l
TRIP BLANK	L2037216-03	P-ISOPROPYLTOLUENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	1,1,1,2-TETRACHLOROETHANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	P-CHLOROTOLUENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	ACETONE	9/10/2020		Y	N	U	UJ	UJ	5	1.5	ug/l
TRIP BLANK	L2037216-03	DICHLORODIFLUOROMETHANE	9/10/2020		Y	N	U	UJ	UJ	5	1	ug/l
TRIP BLANK	L2037216-03	TRICHLOROFLUOROMETHANE	9/10/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	2-BUTANONE	9/10/2020		Y	N	U	UJ	UJ	5	1.9	ug/l
TRIP BLANK	L2037216-03	1,2,3-TRICHLOROPROPANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	1,1,2-TRICHLOROETHANE	9/10/2020		Y	N	U		U	1.5	0.5	ug/l
TRIP BLANK	L2037216-03	1,1-DICHLOROETHANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	1,1-DICHLOROETHENE	9/10/2020		Y	N	U		U	0.5	0.17	ug/l
TRIP BLANK	L2037216-03	N-BUTYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	CHLOROMETHANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	1,1,2,2-TETRACHLOROETHANE	9/10/2020		Y	N	U		U	0.5	0.17	ug/l
TRIP BLANK	L2037216-03	1,1,1-TRICHLOROETHANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	1,2,3-TRICHLOROBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	1,2,4,5-TETRAMETHYLBENZENE	9/10/2020		Y	N	U		U	2	0.54	ug/l

SDG: L2037216

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
TRIP BLANK	L2037216-03	1,2,4-TRICHLOROBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	1,2,4-TRIMETHYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	1,2-DIBROMO-3-CHLOROPROPANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	1,2-DIBROMOETHANE	9/10/2020		Y	N	U		U	2	0.65	ug/l
TRIP BLANK	L2037216-03	1,2-DICHLOROBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	CHLOROFORM	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	CARBON TETRACHLORIDE	9/10/2020		Y	N	U		U	0.5	0.13	ug/l
TRIP BLANK	L2037216-03	CARBON DISULFIDE	9/10/2020		Y	N	U		U	5	1	ug/l
TRIP BLANK	L2037216-03	1,1-DICHLOROPROPENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	CHLOROETHANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	1,2-DICHLOROETHANE	9/10/2020		Y	N	U		U	0.5	0.13	ug/l
TRIP BLANK	L2037216-03	CHLOROBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	BROMODICHLOROMETHANE	9/10/2020		Y	N	U		U	0.5	0.19	ug/l
TRIP BLANK	L2037216-03	BROMOFORM	9/10/2020		Y	N	U		U	2	0.65	ug/l
TRIP BLANK	L2037216-03	BROMOCHLOROMETHANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	BROMOBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	BENZENE	9/10/2020		Y	N	U		U	0.5	0.16	ug/l
TRIP BLANK	L2037216-03	1,3-DICHLOROBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	1,3,5-TRIMETHYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2037216-03	1,2-DICHLOROPROPANE	9/10/2020		Y	N	U		U	1	0.14	ug/l
TRIP BLANK	L2037216-03	1,2-DICHLOROETHENE (TOTAL)	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	VINYL ACETATE	9/10/2020		Y	N	U		U	5	1	ug/l
VOC FIELD BLANK	L2037216-05	TRICHLOROETHENE	9/10/2020		Y	N	U		U	0.5	0.18	ug/l
VOC FIELD BLANK	L2037216-05	TOLUENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	VINYL CHLORIDE	9/10/2020		Y	N	U		U	1	0.07	ug/l

SDG: L2037216

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
VOC FIELD BLANK	L2037216-05	TETRACHLOROETHENE	9/10/2020		Y	N	U		U	0.5	0.18	ug/l
VOC FIELD BLANK	L2037216-05	2-BUTANONE	9/10/2020		Y	N	U	UJ	UJ	5	1.9	ug/l
VOC FIELD BLANK	L2037216-05	STYRENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	NAPHTHALENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	METHYLENE CHLORIDE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	ISOPROPYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	HEXACHLOROBUTADIENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	ETHYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	ETHYL ETHER	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	XYLENE (TOTAL)	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	TERT-BUTYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	DIBROMOMETHANE	9/10/2020		Y	N	U		U	5	1	ug/l
VOC FIELD BLANK	L2037216-05	METHYL TERT BUTYL ETHER	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	P-ISOPROPYLTOLUENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	DIBROMOCHLOROMETHANE	9/10/2020		Y	N	U		U	0.5	0.15	ug/l
VOC FIELD BLANK	L2037216-05	TRICHLOROFLUOROMETHANE	9/10/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	DICHLORODIFLUOROMETHANE	9/10/2020		Y	N	U	UJ	UJ	5	1	ug/l
VOC FIELD BLANK	L2037216-05	BROMOMETHANE	9/10/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	ACETONE	9/10/2020		Y	N	U	UJ	UJ	5	1.5	ug/l
VOC FIELD BLANK	L2037216-05	TRANS-1,4-DICHLORO-2-BUTENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	TRANS-1,3-DICHLOROPROPENE	9/10/2020		Y	N	U		U	0.5	0.16	ug/l
VOC FIELD BLANK	L2037216-05	P/M-XYLENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	SEC-BUTYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	CIS-1,2-DICHLOROETHENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	4-ETHYLTOLUENE	9/10/2020		Y	N	U		U	2	0.7	ug/l

SDG: L2037216

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
VOC FIELD BLANK	L2037216-05	1,4-DIETHYLBENZENE	9/10/2020		Y	N	U		U	2	0.7	ug/l
VOC FIELD BLANK	L2037216-05	P-CHLOROTOLUENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	O-XYLENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	O-CHLOROTOLUENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	N-PROPYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	N-BUTYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	CIS-1,3-DICHLOROPROPENE	9/10/2020		Y	N	U		U	0.5	0.14	ug/l
VOC FIELD BLANK	L2037216-05	TRANS-1,2-DICHLOROETHENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	1,2,3-TRICHLOROBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	1,2-DICHLOROBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	1,2-DICHLOROPROPANE	9/10/2020		Y	N	U		U	1	0.14	ug/l
VOC FIELD BLANK	L2037216-05	1,2-DICHLOROETHENE (TOTAL)	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	1,2-DICHLOROETHANE	9/10/2020		Y	N	U		U	0.5	0.13	ug/l
VOC FIELD BLANK	L2037216-05	1,2-DIBROMOETHANE	9/10/2020		Y	N	U		U	2	0.65	ug/l
VOC FIELD BLANK	L2037216-05	1,2,4-TRIMETHYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	1,2,4-TRICHLOROBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	1,3-DICHLOROBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	1,2,3-TRICHLOROPROPANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	1,3-DICHLOROPROPANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	1,1-DICHLOROPROPENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	1,1-DICHLOROETHENE	9/10/2020		Y	N	U		U	0.5	0.17	ug/l
VOC FIELD BLANK	L2037216-05	1,1-DICHLOROETHANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	1,1,2-TRICHLOROETHANE	9/10/2020		Y	N	U		U	1.5	0.5	ug/l
VOC FIELD BLANK	L2037216-05	1,1,2,2-TETRACHLOROETHANE	9/10/2020		Y	N	U		U	0.5	0.17	ug/l
VOC FIELD BLANK	L2037216-05	1,1,1-TRICHLOROETHANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l

SDG: L2037216

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
VOC FIELD BLANK	L2037216-05	1,1,1,2-TETRACHLOROETHANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	1,2,4,5-TETRAMETHYLBENZENE	9/10/2020		Y	N	U		U	2	0.54	ug/l
VOC FIELD BLANK	L2037216-05	BROMOBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	CHLOROFORM	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	CHLOROETHANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	CHLOROBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	CARBON TETRACHLORIDE	9/10/2020		Y	N	U		U	0.5	0.13	ug/l
VOC FIELD BLANK	L2037216-05	CARBON DISULFIDE	9/10/2020		Y	N	U		U	5	1	ug/l
VOC FIELD BLANK	L2037216-05	BROMOFORM	9/10/2020		Y	N	U		U	2	0.65	ug/l
VOC FIELD BLANK	L2037216-05	1,3,5-TRIMETHYLBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	BROMOCHLOROMETHANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	CHLOROMETHANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	BENZENE	9/10/2020		Y	N	U		U	0.5	0.16	ug/l
VOC FIELD BLANK	L2037216-05	ACRYLONITRILE	9/10/2020		Y	N	U		U	5	1.5	ug/l
VOC FIELD BLANK	L2037216-05	4-METHYL-2-PENTANONE	9/10/2020		Y	N	U		U	5	1	ug/l
VOC FIELD BLANK	L2037216-05	2-HEXANONE	9/10/2020		Y	N	U		U	5	1	ug/l
VOC FIELD BLANK	L2037216-05	1,2-DIBROMO-3-CHLOROPROPANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	2,2-DICHLOROPROPANE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	1,4-DIOXANE	9/10/2020		Y	N	U	UJ	UJ	250	61	ug/l
VOC FIELD BLANK	L2037216-05	1,4-DICHLOROBENZENE	9/10/2020		Y	N	U		U	2.5	0.7	ug/l
VOC FIELD BLANK	L2037216-05	1,3-DICHLOROPROPENE, TOTAL	9/10/2020		Y	N	U		U	0.5	0.14	ug/l
VOC FIELD BLANK	L2037216-05	BROMODICHLOROMETHANE	9/10/2020		Y	N	U		U	0.5	0.19	ug/l

Analytical Method	SW8270DSIM											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units

SDG: L2037216

Analytical Method	SW8270DSIM											
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
MW-202	L2037216-01	1,4-DIOXANE	9/11/2020	0.188	Y	Y				0.144	0.0326	ug/l
MW-203	L2037216-02	1,4-DIOXANE	9/11/2020	0.589	Y	Y				0.144	0.0326	ug/l

Site:	33 Centre Avenue
Laboratory:	Alpha Analytical, Inc.
Report No.:	L2037961
Reviewer:	Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date:	October 21, 2020

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-206	L2037961-01	VOC, 1,4-Dioxane, PFAS
MW-206DL	L2037961-01DL	VOC

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed water sample was collected on September 11, 2020 and was analyzed for volatile organic compounds (VOC) by SW-846 method 8260C, 1,4-dioxane by SW-846 method 8270D in selected ion monitoring (SIM) mode, and perfluoroalkyl and polyfluoroalkyl substances (PFAS) by method 537 modified. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C,* SOP HW-24, Revision 4 (October 2014), the USEPA Region 2 *Standard Operating Procedure for Semivolatile Data Validation SW-846 Method 8270D,* SOP HW-35A, Revision 0 (June 2015), the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-2017-002 (January 2017), and the USEPA Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFAS) Analyzed Using EPA Method 537 (November 2018), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Liquid Chromatography/Mass Spectrometry (LC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards/Labeled Compounds
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers with the exception listed below.

Sample MW-206DL was diluted for 1,1,1-trichloroethane due to original analysis exceeding the calibration range. For the 1,1,1-trichloroethane result in sample MW-206DL, the diluted result should be considered the most usable. The MW-206 result should not be considered usable for 1,1,1-trichloroethane.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

VOC and 1,4-Dioxane

All criteria were met.

LC/MS Tunes

PFAS

All criteria were met.

Initial and Continuing Calibrations

VOC

Initial calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
08/21/20	ICAL-Elaine	1,4-Dioxane	0.00118 (≥0.005)	MW-206	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane result was estimated due to response factor exceedance. The bias cannot be determined. The result can be used for project objectives as a nondetect with an estimated quantitation limit (UJ) which may have a minor impact on the data usability.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
09/12/20	ICAL-Elaine	Methylene chloride	20.2	MW-206	XX	UJ nondetects
		Methyl-tert-butyl ether	20.8		XX	UJ nondetects
		cis-1,3-Dichloropropene	20.8		XX	UJ nondetects
		4-Methyl-2-pentanone	24.3		XX	UJ nondetects
		Dibromochloromethane	20.6		XX	UJ nondetects
		2-Hexanone	28		XX	UJ nondetects
		Bromoform	22.2		XX	UJ nondetects
		1,1,2,2-Tetrachloroethane	22.7		XX	UJ nondetects
		trans-1,4-Dichloro-2-butene	29.2		XX	UJ nondetects
		tert-Butylbenzene	24.8		XX	UJ nondetects
		1,2-Dibromo-3-chloropropane	26.3		XX	UJ nondetects
		Naphthalene	25.3		XX	UJ nondetects

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
09/12/20	ICAL-Elaine	1,4-Dioxane	0.00097 (≥0.005)	MW-206	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The methylene chloride, methyl-tert-butyl ether, cis-1,3-dichloropropene, 4-methyl-2-pentanone, dibromochloromethane, 2-hexanone, bromoform, 1,1,2,2-tetrachloroethane, trans-1,4-dichloro-2-butene, tert-butylbenzene, 1,2-dibromo-3-chloropropane, and naphthalene results for the samples listed above were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The 1,4-dioxane result was estimated due to response factor exceedance. The bias cannot be determined. The result can be used for project objectives as a nondetect with an estimated quantitation limit (UJ) which may have a minor impact on the data usability.

1,4-Dioxane and PFAS

All criteria were met.

Blanks

VOC

Contamination was detected in the associated VOC method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
WG1409564-5Blank	Acetone 2-Butanone	3.3 ug/L 2.0 ug/L	2xRL 2xRL	MW-206

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

No samples were qualified since the associated sample results were greater than the action level.

A field blank was not associated with this sample set. Validation action was not required on this basis.

1,4-Dioxane and PFAS

Contamination was not detected in the method blanks.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

VOC and 1,4-Dioxane

All criteria were met.

MS/MSD Results

MS/MSD analyses were not associated with this sample set. Validation action was not required on this basis.

LCS Results

All criteria were met.

Internal Standards/Labeled Compounds

VOC and 1,4-Dioxane

All criteria were met.

PFAS

The following table lists the labeled compound percent recoveries outside of control limits in the PFAS analysis and the resulting validation actions.

Sample	Labeled Compound	%R (Limits)	Affected Compounds	Validation actions
MW-206	M2-6:2FTS	254 (25-150)	1H,1H,2H,2H-Perfluorooctanesulfonic acid	J detects/UJ nondetects
	M2-8:2 FTS	231 (25-150)	1H,1H,2H,2H-Perfluorodecanesulfonic acid	J detects/UJ nondetects
	M8-FOSA	31 (50-150)	Perfluorooctanesulfonamide	J detects/UJ nondetects

The 1H,1H,2H,2H-perfluorooctanesulfonic acid, 1H,1H,2H,2H-perfluorodecanesulfonic acid, and perfluorooctanesulfonamide results were estimated due to labeled compound percent recovery exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC and PFAS analyses. These results were qualified as estimated (J) by the laboratory.

No results were reported below the RL and above the MDL in the 1,4-dioxane analysis.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	VOC Analysis Reported
MW-206DL	10-fold dilution due to high compound levels

Dilutions were not required for 1,4-dioxane and PFAS analyses.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 49292B1a
SDG #: L2037961
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 10/20/20
Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	SW / SW	A %RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	SW	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	cs
IX.	Laboratory control samples	A	LCS ID
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Results < RL > MDL = Jdet
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	SW	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-206	L2037961-01	Water	09/11/20
2	MW-206DL 10X	L2037961-01DL	Water	09/11/20
3				
4				
5				
6				
7				
8				
9				

Notes:

1	WG1409564-5 Blank						
2	WG1409592-5 Blank						

LDC #: 49292 B1a

VALIDATION FINDINGS CHECKLIST

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30%/15% (20%) and relative response factors (RRF) ≥ 0.05?		✓		
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20% / 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) ≥ 0.05?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?	✓			
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	

Validation Area				
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 49292B1a

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

All available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.
(Y) N N/A Was the overall quality and usability of the data acceptable?

#	Date	Sample ID	Compound	Finding	Qualifications
		1	N	x'd cal Range	NR / Δ

Comments: _____

LDC #: 49292B/a

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?
Y N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?
Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____
Y N N/A Did the initial calibration meet the acceptance criteria?
Y N N/A Were all %RSDs and RRFs within the validation criteria of ≤30/15% 20% RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: ____%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
1	8/21/20	ICAL-Elaine	HHH		0.00118	1, WG1409564-5 Blank	J/UJ/A ND

LDC #: 49292B1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: <20.0%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
	9/12/20 1205	ccv-Elaine	E	20.2		1, WG1409564-5 Blank	J/UJ/A all ND
			LL	20.8			
			R	20.8			
			Y	24.3			
			T	20.6			
			Z	28			
			X	22.2			
			BB	22.7			
			YYYY	29.2			
			CCC	24.8			
			MM	26.3			
			MMM	25.3			
			HHHH		0.00097 ≥ (0.005)		

CONCAL.wpd

LDC #: 49292B1a

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a method blank associated with every sample in this SDG?

Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?

Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 9/12/20

Conc. units: ug/L Associated Samples: 1 > RL

Compound	Blank ID	Sample Identification							
	WG1409564-5 Blank								
F	3.3								
M	2.0								

Blank analysis date:

Conc. units: Associated Samples:

Compound	Blank ID	Sample Identification							

All results were qualified using the criteria stated below except those circled.

Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 49292B1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: ____FT____

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:
Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 10ug/L std)	Recalculated (RRF 10ug/L std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL Elaine	8/21/2020	C (IS 1)	0.208	0.208	0.202	0.202	13.19	13.19
			CC (IS 2)	0.622	0.622	0.633	0.633	7.50	7.50
			BB (IS 3)	0.412	0.412	0.410	0.410	1.73	1.73

LDC #: 49292B1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV E/a1RE 205	9/12/20	C (IS1)	0.202	0.201	0.201	0.5	0.5
			CC (IS2)	0.633	0.539	0.539	14.8	14.8
			BB (IS3)	0.410	0.317	0.317	22.7	22.7
			(IS4)					
			(IS5)					
2	CCV 108 0800	9/14/20	N (IS1)	0.39	0.404	0.404	3.6	3.6
			(IS2)					
			(IS3)					
			(IS4)					
			(IS5)					
3			(IS1)					
			(IS2)					
			(IS3)					
			(IS4)					
			(IS5)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292 B1a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	10.0	10.891	109	109	0
1,2-Dichloroethane-d4		10.015	100	100	
Toluene-d8		9.664	97	97	
Bromofluorobenzene		9.331	93	93	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 49292B1a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

METHOD: GC/MS VOA (EPA Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: WG1409564-3/4

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	10.0	10.0	8.6	9.5	86	86	95	95	10	10
Trichloroethene	↓	↓	8.6	9.3	86	86	93	93	6	6
Benzene			8.9	9.5	89	89	95	95	7	7
Toluene			8.5	9.0	85	85	90	90	6	6
Chlorobenzene			8.6	9.5	86	86	95	95	10	10

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292B1a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #2, NNN

Conc. = $\frac{(418435)(10.0)(10)}{(199126)(0.390)}$

= 538.81 ug/L

10x

#	Sample ID	Compound	Reported Concentration (ug/L)	Calculated Concentration (ug/L)	Qualification
	#2	NNN	540	538.81	

LDC #: 49292B2c
SDG #: L2037961
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 10/19/20
Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	%RSD ≤ 20 ICV ≤ 30
IV.	Continuing calibration	A	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	MS
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	No Results < RL > MDL
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-206	L2037961-01	Water	09/11/20
2				
3				
4				
5				
6				
7				
8				
9				

Notes:

	WG1409311 - 1Blank						

LDC #: 49292B2C

VALIDATION FINDINGS CHECKLIST

Method: Semivolatiles (EPA SW 846 Method 8270 D)SIM

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 15/30% or 20% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?			✓	
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20% or 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?	✓			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any percent recoveries (%R) was less than 10%, was a reanalysis performed to confirm %R ?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	CC. Dimethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	GGGG. C30-Hopane	I1. Methyl methanesulfonate
B. Bis (2-chloroethyl) ether	DD. Acenaphthylene	FFF. Di-n-octylphthalate	HHHH. 1-Methylphenanthrene	J1. Ethyl methanesulfonate
C. 2-Chlorophenol	EE. 2,6-Dinitrotoluene	GGG. Benzo(b)fluoranthene	IIII. 1,4-Dioxane	K1. o,o',o"-Triethylphosphorothioate
D. 1,3-Dichlorobenzene	FF. 3-Nitroaniline	HHH. Benzo(k)fluoranthene	JJJJ. Acetophenone	L1. n-Phenylene diamine
E. 1,4-Dichlorobenzene	GG. Acenaphthene	III. Benzo(a)pyrene	KKKK. Atrazine	M1. 1,4-Naphthoquinone
F. 1,2-Dichlorobenzene	HH. 2,4-Dinitrophenol	JJJ. Indeno(1,2,3-cd)pyrene	LLLL. Benzaldehyde	N1. N-Nitro-o-toluidine
G. 2-Methylphenol	II. 4-Nitrophenol	KKK. Dibenz(a,h)anthracene	MMMM. Caprolactam	O1. 1,3,5-Trinitrobenzene
H. 2,2'-Oxybis(1-chloropropane)	JJ. Dibenzofuran	LLL. Benzo(g,h,i)perylene	NNNN. 2,6-Dichlorophenol	P1. Pentachlorobenzene
I. 4-Methylphenol	KK. 2,4-Dinitrotoluene	MMM. Bis(2-Chloroisopropyl)ether	OOOO. 1,2-Diphenylhydrazine	Q1. 4-Aminobiphenyl
J. N-Nitroso-di-n-propylamine	LL. Diethylphthalate	NNN. Aniline	PPPP. 3-Methylphenol	R1. 2-Naphthylamine
K. Hexachloroethane	MM. 4-Chlorophenyl-phenyl ether	OOO. N-Nitrosodimethylamine	QQQQ. 3&4-Methylphenol	S1. Triphenylene
L. Nitrobenzene	NN. Fluorene	PPP. Benzoic Acid	RRRR. 4-Dimethyldibenzothiophene (4MDT)	T1. Octachlorostyrene
M. Isophorone	OO. 4-Nitroaniline	QQQ. Benzyl alcohol	SSSS. 2/3-Dimethyldibenzothiophene (4MDT)	U1. Famphur
N. 2-Nitrophenol	PP. 4,6-Dinitro-2-methylphenol	RRR. Pyridine	TTTT. 1-Methyldibenzothiophene (1MDT)	V1. 1,4-phenylenediamine
O. 2,4-Dimethylphenol	QQ. N-Nitrosodiphenylamine	SSS. Benzidine	UUUU.. 2,3,4,6-Tetrachlorophenol	W1. Methapyrilene
P. Bis(2-chloroethoxy)methane	RR. 4-Bromophenyl-phenylether	TTT. 1-Methylnaphthalene	VVVV. 1,2,4,5-Tetrachlorobenzene	X1. Pentachloroethane
Q. 2,4-Dichlorophenol	SS. Hexachlorobenzene	UUU.Benzo(b)thiophene	WWWW.. 2-Picoline	Y1. 3,3'-Dimethylbenzidine
R. 1,2,4-Trichlorobenzene	TT. Pentachlorophenol	VVV.Benzonaphthothiophene	XXXX. 3-Methylcholanthrene	Z1. o-Toluidine
S. Naphthalene	UU. Phenanthrene	WWW.Benzo(e)pyrene	YYYY. a,a-Dimethylphenethylamine	A2. 1-Naphthylamine
T. 4-Chloroaniline	VV. Anthracene	XXX. 2,6-Dimethylnaphthalene	ZZZZ. Hexachloropropene	B2. 4-Aminobiphenyl
U. Hexachlorobutadiene	WW. Carbazole	YYY. 2,3,5-Trimethylnaphthalene	A1. N-Nitrosodiethylamine	C2. 4-Nitroquinoline-1-oxide
V. 4-Chloro-3-methylphenol	XX. Di-n-butylphthalate	ZZZ. Perylene	B1. N-Nitrosodi-n-butylamine	D2. Hexachloropene
W. 2-Methylnaphthalene	YY. Fluoranthene	AAAA. Dibenzothiophene	C1. N-Nitrosomethylethylamine	E2. Bis (2-chloro-1-methylethyl) ether
X. Hexachlorocyclopentadiene	ZZ. Pyrene	BBBB. Benzo(a)fluoranthene	D1. N-Nitrosomorpholine	F2. Bifenthrin
Y. 2,4,6-Trichlorophenol	AAA. Butylbenzylphthalate	CCCC. Benzo(b)fluorene	E1. N-Nitrosopyrrolidine	G2. Cyfluthrin
Z. 2,4,5-Trichlorophenol	BBB. 3,3'-Dichlorobenzidine	DDDD. cis/trans-Decalin	F1. Phenacetin	H2. Cypermethrin
AA. 2-Chloronaphthalene	CCC. Benzo(a)anthracene	EEEE. 1,1'-Biphenyl	G1. 2-Acetylaminofluorene	I2. Permethrin (cis/trans)
BB. 2-Nitroaniline	DDD. Chrysene	FFFF. Retene	H1. Pronamide	J2. 5-Nitro-o-toluidine

LDC #: 49292B2c

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: _____

METHOD: GCMS 1,4-Dsioxane 8270D SIM

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 500ng/ml std)	Recalculated (RRF 500ng/ml std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/12/2020	1,4-Dioxane	1.269	1.269	1.252	1.252	5.04	5.04
	PAH22								

LDC #: 49292B2c

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 P)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	ccV 1509	9/15/20	1,4-Dioxane (1st IS)	1.252	1.355	1.355	8.2	8.2
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
2			(1st IS)					
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
3			(1st IS)					
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292B2C

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270 D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
~~Nitrobenzene-d5~~ 1,4-Dioxane-d8	500.U	202.493	4U	4U	U
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 49292 B2C

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: WG140931-2/3

Compound	Spike Added (ng/L)		Spike Concentration (ng/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol										
N-Nitroso-di-n-propylamine										
4-Chloro-3-methylphenol										
Acenaphthene										
Pentachlorophenol										
Pyrene										
1,4- Dioxane	5000	5000	6210	6140	124	124	123	123	1	1

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292B2C

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #1, 1,4-Dioxane

Conc. = $\frac{(3934)(500)(2.5)(1000)}{(12056)(1.252)(2.60)}$

=

= 1253 ng/L

2.5/260

#	Sample ID	Compound	Reported Concentration (ng/L)	Calculated Concentration (ng/L)	Qualification
	#1	1,4-Dioxane	1250	1253	

LDC #: 49292B96
SDG #: L2037961
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 10/19/20
Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: LC/MS Perfluoroalkyl & Polyfluoroalkyl Substances (EPA Method 537M)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	LC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	r² ≥ 50/30 IQ ≤ 30
IV.	Continuing calibration/ISC	A/A	%D ≤ 30 ISC ≤ 50
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS/D
IX.	Field duplicates	N	
X.	Labeled Compounds	SW	
VI.	Compound quantitation RL/LOQ/LODs	A	< RL
XII.	Target compound identification	SW	
XIII.	System performance	A	
XIV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-206	L2037961-01	Water	09/11/20
2				
3				
4				
5				
6				
7				
8				
9				
10				

Notes:

	WG1409604						

LDC #: 49292B96 **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: JL

Method: LC/MS PFAS (EPA Method 537Mod)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	√			
Were cooler temperature criteria met?	√			
II. LC/MS Instrument performance check				
Were the instrument performance reviewed and found to be within the validation criteria?	√			
III. Initial calibration and Initial Calibration Verification				
Did the laboratory perform a 5-point calibration prior to sample analysis?	√			
Were all percent relative standard deviations (%RSD) ≤ 20%?			√	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit criteria of ≥ 0.990?	√			
Were all analytes within 70-130% or percent differences (%D) ≤30% of their true value for each calibration standard except the lowest point (50-150%)?	√			
Was the signal to noise (S/N) ratio for all compounds within the validation criteria?	√			
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	√			
Were all percent differences (%D) ≤ 30%?	√			
IV. Continuing calibration and Instrument Sensitivity Check				
Was a continuing calibration analyzed prior to sample analysis, after every 10 samples and at the end of the analytical sequence?	√			
Were all percent differences (%D) of the continuing calibration ≤ 30%?	√			
Was the signal to noise (S/N) ratio for all compounds within the validation criteria?	√			
Were all percent differences (%D) of the Instrument Sensitivity Check ≤ 50%?	√			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	√			
Was a laboratory blank analyzed for each matrix and concentration?	√			
Was there contamination in the laboratory blanks?		√		
VI. Field blanks				
Were field blanks identified in this SDG?		√		
Were target compounds detected in the field blanks?			√	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?		√		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			√	

LDC #: 49292B96

VALIDATION FINDINGS CHECKLIST

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch for this SDG?	√			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	√			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		√		
Were target compounds detected in the field duplicates?			√	
XI. Labeled compounds				
Were labeled compound percent recoveries (%R) within the QC limits?		√		
XII. Compound quantitation				
Did the laboratory reporting limits (RL) meet the QAPP RLs?			√	
Did reported results include both branched and linear isomers?	√			
Were the correct ion transition, labeled compound and relative response factor (RRF) used to quantitate the compound?	√			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	√			
XIII. Target compound identification				
Was the signal to noise (S/N) ratio for all compounds within the validation criteria?	√			
Were two transitions and the ion transition ratio per analyte monitored and documented except for PFBA and PFPeA?	√			
Were ion ratios within QC limits?		√		
XIV. System performance				
System performance was found to be acceptable.	√			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	√			

TARGET COMPOUND WORKSHEET

METHOD: PFAS

	Associated Labeled Compound		
A. Perfluorobutanoic acid (PFBA)	MPFBA		
B. Perfluoropentanoic acid (PFPeA)	M5PFPEA		
C. Perfluorohexanoic acid (PFHxA)	M5PFHxA		
D. Perfluoroheptanoic acid (PFHpA)	M4PFHpA		
E. Perfluorooctanoic acid (PFOA)	M8PFOA		
F. Perfluorononanoic acid (PFNA)	M9PFNA		
G. Perfluorodecanoic acid (PFDA)	M8PFDA		
H. Perfluoroundecanoic acid (PFUnA)	M7PFUDA		
I. Perfluorododecanoic acid (PFDoA)	MPFDOA		
J. Perfluorotridecanoic acid (PFTrDA)	MPFDOA		
K. Perfluorotetradecanoic acid (PFTA)	M2PFTEDA		
L. Perfluorobutanesulfonic acid (PFBS)	M3PFBS		
M. Perfluorohexanesulfonic acid (PFHxS)	M3PFHxS		
N. Perfluoroheptanesulfonic acid (PFHpS)	M8PFOS		
O. Perfluorooctanesulfonic acid (PFOS)	M8PFOS		
P. Perfluorodecanesulfonic acid (PFDS)	M8PFOS		
Q. Perfluorooctanesulfonamide (FOSA)	M8FOSA		
R. N-Methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	d3-NMeFOSAA		
S. N-Ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	d5-NEtFOSAA		
T. 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2FTS)	M2-6:2FTS		
U. 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2FTS)	M2-8:2FTS		
V. 9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)			
W. 11-Chloroeicosafluoro-3-Oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			
X. Hexafluoropropylene oxide dimer acid (HFPO-DA)			
Y. 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2FTS)	M2-4:2FTS		
Z. Perfluorononanesulfonic acid (PFNS)	M8PFOS		

LDC #: 49292B96

VALIDATION FINDINGS WORKSHEET
Labeled Compounds

Reviewer: JC

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y (N) N/A Were all labeled compound recoveries within the QC criteria?

#	Date	Lab ID/Reference	Labeled Compound	% Recovery (Limit)	Qualifications
		1 (det/ND)	M2-6:2FTS	254 (25-150)	J/UJ/A (T) (U) (K)
			M2-8:2FTS	231 (↓)	
			M8FOSA	31 (50-150)	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	

LDC #: 49292B96

VALIDATION FINDINGS WORKSHEET
Target Compound Identification

Reviewer: [illegible]

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was the signal to noise (S/N) ratio for all compounds within the validation criteria?
Y (N) N/A Were two transitions and the ion transition ratio per analyte monitored and documented with the exception of PFBA and PFPeA?
Y (N) N/A Were ion ratios within QC limits?

#	Date	Sample ID	Compound	Ion ratio (Limits)	Qualifications
		1	br-PFOS	4.91 (1.24-3.73)	No qual. L-PFOS in

LDC #: 49292B9C

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Method: LC/MS PFAS (EPA Method 537M)

Calibration Date	Analyte	Standard	(X) Concentration ratio	(Y) Area ratio
9/15/2020	L-PFOA	1	0.050	0.0489007
		2	0.100	0.0970421
		3	0.500	0.4657460
		4	1.000	0.9021630
		5	5.000	4.4974269
		6	15.000	13.7950265
		7	25.000	23.9068001

Linear through the origin

	Calculated	***Reported***
Constant	0.000000	0.0000
X Coefficient(s)	0.945184	0.937044
Correlation Coefficient	0.999823	
Coefficient of Determination (r^2)	0.999646	0.999439

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Method: LC/MS PFAS (EPA Method 537M)

Date	Analyte	Standard	(Y) Concentration ratio	(X) Area Ratio	(X^2) Area Ratio
9/15/2020	L-PFOS	1	0.0365	0.037	0.0014
		2	0.0730	0.074	0.0055
		3	0.3650	0.367	0.1347
		4	0.7300	0.693	0.4805
		5	3.6500	3.695	13.6534
		6	10.9500	10.642	113.2506
		7	18.2500	19.072	363.7318

Regression Output			Reported
Constant	c =	0.0000	0
Std Err of Y Est			
Degrees of Freedom			
	a =	-0.006405	0.000439453
X Coefficient(s)			
Std Err of Coef.	b =	1.081295059	0.955168000
Correlation Coefficient		0.999895	
Coefficient of Determination (r^2)	r^ 2	0.999790	0.999394

LDC #: 49292B96

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Reviewer: SC

Method: LC/MS PFAS (EPA Method 537M)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound
Cx = Concentration of compound,
Ais = Area of associated internal standard
Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	True Conc	Reported Conc	Recalculated Conc	Reported %R	Recalculated %R
1	I28843	9/16/2020	L-PFOA (13C8-PFOA)	0.500	0.502	0.502	100.4	100.4
			L-PFOS (13C8-PFOS)	0.365	0.360	0.360	98.6	98.7
2			L-PFOA (13C8-PFOA)					
			L-PFOS (13C8-PFOS)					
3			L-PFOA (13C8-PFOA)					
			L-PFOS (13C8-PFOS)					
4			L-PFOA (13C8-PFOA)					
			L-PFOS (13C8-PFOS)					
5			L-PFOA (13C8-PFOA)					
			L-PFOS (13C8-PFOS)					

LDC #: 49292B96

VALIDATION FINDINGS WORKSHEET
LCS Results Verification

Reviewer: SC

Method: LC/MS PFAS (EPA Method 537M)

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control duplicate were recalculated for the compounds identified below using the following calculation:

SSC = (Area spike) (Conc IS) / (Area IS) (average RRF spike)
%Recovery = 100 * SSC/SA

Where:
SSC = Spiked concentration
SA = Spike added
LCS = Laboratory control spike recovery
LCSD = Laboratory control spike duplicate recovery

RPD = | LCS - LCSD | * 2/(LCS + LCSD)

LCS/LCSD ID: WG1409604-2/3

Compound	SA (ng/L)		SSC (ng/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
PFOA	40.0	40.0	42.7	37.9	107	107	95	95	12	12
PFOS	37.1	37.1	39.0	39.7	105	105	107	107	2	2

LDC #: 49292B96

VALIDATION FINDINGS WORKSHEET
Sample Results Verification

Reviewer: SC

Method: LC/MS PFAS (EPA Method 537M)

Compound results for all Level IV samples reported with a positive detect were recalculated and verified using the following equation:

$$\text{Concentration} = \frac{(Ax)\ (Vo)\ (Df)}{(RRF)\ (Wt)\ (\%S)}$$

Where:

Ax = Area or height of the peak for the compound to be measured
Ais = Area or height of the peak for the internal standard
Cis = Concentration of the internal standard
DF = Dilution factor
Vt = Volume of extract in milliters (mL)
RRF = Average relative response factor
Wt = Weight of sample in grams (g)

Sample #	Compound	Ax	Ais	Cis	DF	RRF	Vt (mL)	Wt (g)	%S	Calculated Concentration (ng/L)	Reported Concentration (ng/L)	% Diff
1	L-PFOS	15493	11772	10	1	curve	1	275.31		49.73		
	br-PFOS	15474	11772	10	1	curve	1	275.31		38.34		
	Total									88.1	88.1	

Site:	33 Centre Avenue
Laboratory:	Alpha Analytical, Inc.
Report No.:	L2037961
Reviewer:	Darionna Malone and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date:	October 21, 2020

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-206	L2037961-01	Metals
MW-206MS	L2037961-01MS	Metals
MW-206DUP	L2037961-01DUP	Metals

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed water samples were collected on September 11, 2020 and were analyzed for metals by SW-846 methods 6020B/7470A. The data validation was performed in accordance with USEPA Region 2 *Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program,* SOP HW-3b/c, Revision 1 (September 2016) and the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review,* EPA 540-R-2017-001 (January 2017), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS) Results
- Serial Dilution Results
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met.

CRQL Standard Recoveries

All criteria were met.

Blank Results

Analytes were detected below the reporting limits in the laboratory blank samples. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
ICB/CCB	Thallium Iron	0.262 ug/L 43.9 ug/L	2.62 ug/L 439 ug/L	MW-206

Blank Actions for analytes detected below the reporting limit(RL).
If the sample result is < RL, report the result as nondetect (U) at the RL.
If the sample result is > RL or nondetect, no action is required.
Blank Actions for analytes detected above the reporting limit or RL.
If the sample result is < RL and <action level; report the result as nondetect (U) at the RL.
If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.
If the sample result is > action level or nondetect, no action is required.

No samples were qualified since the associated sample results were nondetect or greater than the action level.

A field blank was not associated with this sample set. Validation action was not required on this basis.

ICP ICS Results

Analytes were within control limits in the SIC analysis.

MS Results

MS analyses were performed on sample MW-206 for metals analyses. The following table lists the MS percent recoveries (%R) outside of control limits in the metals analyses and the resulting validation actions.

MS ID	Analyte	MS %R (Limits)	Affected Sample	Validation Action
MW-206MS	Calcium	144 (75-125)	MW-206	J detects
MW-206MS	Iron	69 (75-125)	MW-206	J detects

The calcium result may be biased high due to high MS percent recovery. The result can be used for project objectives as an estimated value (J) which may have a minor impact on the data usability.

The iron result may be biased low due to low MS percent recovery. The result can be used for project objectives as an estimated value (J) which may have a minor impact on the data usability.

Laboratory Duplicate Results

Laboratory duplicates were performed on sample MW-206 for metals analyses. All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on sample MW-206 for metals analyses. The following table lists the serial dilution percent differences (%D) outside of control limits in the metals analyses and the resulting validation actions.

Diluted Sample	Analyte	%D (Limits)	Associated Samples	Validation Actions
MW-206	Aluminum	30 (≤10)	MW-206	J detects

The aluminum result was estimated due to serial dilution percent difference exceedance. The bias cannot be determined. The result can be used for project objectives as an estimated value (J) which may have a minor impact on the data usability.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the metals analyses. These results were estimated (J) by the laboratory.

Dilutions were not required for metals analyses.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 49292B4a

SDG #: L2037961

Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET

Category B

Date:10/20/2020

Reviewer:DTM

2nd Reviewer:

METHOD: Metals (EPA SW 846 Method 6020B/7470A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	N	SIC
IV.	Laboratory Blanks	SW	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	SW	
VII.	Duplicate sample analysis	A	
VIII.	Serial Dilution	SW	
IX.	Laboratory control samples	A	LCS
X.	Field Duplicates	N	
XI.	Sample Result Verification	A	
XII.	Overall Assessment of Data	A	MDL<Samples<RL, Jdet/A

Tune:A

Note: A = Acceptable; ND = No compounds detected; D = Duplicate; SB=Source blank
N = Not provided/applicable; R = Rinsate; TB = Trip blank; OTHER:
SW = See worksheet; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	Matrix	Date
1	MW-206	L2037961-01	Water	09/11/20
2	MW-206MS	L2037961-01MS	Water	09/11/20
3	MW-206DUP	L2037961-01DUP	Water	09/11/20
4				
5				
6				
7				
8				
9				
10				
11				

Notes:

Method: Metals (EPA SW 846 Method 6010/6020/7000)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. ICP/MS Tune				
Were all isotopes in the tuning solution mass resolution within 0.1 amu?	✓			
Were %RSD of isotopes in the tuning solution ≤5%?	✓			
III. Calibration				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial and continuing calibration verification %Rs within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low standard checks within 70-130%			✓	
Were all initial calibration correlation coefficients within limits as specified by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
V. ICP Interference Check Sample				
Were ICP interference check samples performed daily?	✓			
Were the AB solution percent recoveries (%R) with the 80-120% QC limits?			✓	
VI. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water.	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.		✓		
Were the MS/MSD or duplicate relative percent differences (RPD) ≤ 20% for waters and ≤ 35% for soil samples? A control limit of +/- RL(+/-2X RL for soil) was used for samples that were ≤ 5X the RL, including when only one of the duplicate sample values were ≤ 5X the RL.	✓			
VII. Laboratory control samples				
Was an LCS anaylzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			

Validation Area	Yes	No	NA	Findings/Comments
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% QC limits for water samples and laboratory established QC limits for soils?	✓			

VIII. Internal Standards (EPA SW 846 Method 6020/EPA 200.8)				
Were all the percent recoveries (%R) within the 30-120% (6020)/60-125% (200.8) of the intensity of the internal standard in the associated initial calibration?	✓			
If the %Rs were outside the criteria, was a reanalysis performed?	✓			
IX. ICP Serial Dilution				
Was an ICP serial dilution analyzed if analyte concentrations were > 50X the MDL (ICP)/>100X the MDL(ICP/MS)?	✓			
Were all percent differences (%Ds) ≤ 10%?		✓		
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.		✓		
X. Sample Result Verification				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XII. Field duplicates				
Field duplicate pairs were identified in this SDG.		✓		
Target analytes were detected in the field duplicates.			✓	
XIII. Field blanks				
Field blanks were identified in this SDG.		✓		
Target analytes were detected in the field blanks.			✓	

LDC #: 49292B4a

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: DTM

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1	W	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn
QC 2-3	W	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
Analysis Method		
ICP		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
ICP-MS		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
GFAA		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr

Comments: Mercury by CVAA if performed

LDC #: 49292B4a

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

Reviewer: DTM

METHOD: Trace metals (EPA SW 864 Method 6010/6020/7000) Soil preparation factor applied: ____
Sample Concentration units, unless otherwise noted: ug/L Associated Samples: ALL

					Sample Identification										
Analyte	Maximum PB[a] (mg/L)	Maximum PB[a] (ug/L)	Maximum ICB/CCB[a] (ug/L)	Action Level	NO QUAL										
Tl			0.262	2.62											
Fe			43.9	439											

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".
Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 49292B4a

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: DTM

METHOD: Trace metals (EPA SW 846 Method 6020/6010/7470)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a matrix spike analyzed for each matrix in this SDG?

Y N N/A Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.

Y N N/A Were all duplicate sample relative percent differences (RPD) ≤ 20% for samples?

LEVEL IV ONLY:

Y N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	MS/MSD ID	Matrix	Analyte	MS %Recovery	MSD %Recovery	RPD (Limits)	Associated Samples	Qual	DET	ND	PS Recovery %
	2	W	Ca	144			ALL	J/A	ALL		
			Fe	69			ALL	J/UJ/A	ALL		

Comments: 2 Na >4xSpike

LDC #: 49292B4a

VALIDATION FINDINGS WORKSHEET
ICP Serial Dilution

Reviewer: DTM

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A If analyte concentrations were > 50X the MDL (ICP) ,or >100X the MDL (ICP/MS), was a serial dilution analyzed?

Y N N/A Were ICP serial dilution percent differences (%D) ≤10%?

Y N N/A Is there evidence of negative interference? If yes, professional judgement will be used to qualify the data.

LEVEL IV ONLY:

Y N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Diluted Sample ID	Matrix	Analyte	%D (Limits)	Associated Samples	Qualifications	Det	ND
	1	W	Al	30(~~20~~) (10)	ALL	J/UJ/A	ALL	

Comments:

LDC #: 49292B4a

VALIDATION FINDINGS WORKSHEET

Initial and Continuing Calibration Calculation Verification

Reviewer: DTM

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found / True x 100 Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution

True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
N	ICP (Low Level calibration)						
N	ICP/MS (Low Level calibration)						
N	ICP (Initial calibration)						
ICV	ICP/MS (Initial calibration)	Cr	49.9	50.0	100	100	Y
ICV	CVAA (Initial calibration)	Hg	0.0029	0.0030	100	100	Y
N	ICP (Continuing calibration)						
CCV8	ICP/MS (Continuing calibration)	Cu	60.0	60.0	100	100	Y
CCV	CVAA (Continuing calibration)	Hg	0.0104	0.0100	104	104	Y

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
9/14/2020	Mass Axis	59	58.9	± 0.1 AMU	NA	Y
9/14/2020	%RSD	115	0.5%	≤ 5% RSD	0.5%	Y

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)
Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$$\%R = \frac{Found}{True} \times 100$$

Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$$RPD = \frac{|S-D|}{(S+D)/2} \times 100$$

Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$$\%D = \frac{|I-SDR|}{I} \times 100$$

Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
N	ICP interference check						
LCS	Laboratory control sample	Se	120ug/L	120ug/L	100	100	Y
2	Matrix spike	Cd	(SSR-SR) 55.83ug/L	51ug/L	109	109	Y
3	Duplicate	Al	510ug/L	604ug/L	17	17	Y
1	ICP serial dilution	K	9140ug/L	9050ug/L	1	1	Y

Comments:

LDC #: 49292B4a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: DTM

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Have results been reported and calculated correctly?
Y N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
Y N N/A Are all detection limits below the CRDL?

Detected analyte results for Mg were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$ Recalculation:

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

#	Sample ID	Analyte	Reported Concentration (ug/L)	Calculated Concentration (ug/L)	Acceptable (Y/N)
	1	Mg	14400	14400	Y

Huguenot Street Development - LDC# 49292B

SDG: L2037961

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-206	L2037961-01	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/16/2020		Y	N	U		U	1.82	0.588	ng/l
MW-206	L2037961-01	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/16/2020		Y	N	U	UJ	UJ	1.82	1.1	ng/l
MW-206	L2037961-01	PFOA/PFOS, TOTAL	9/16/2020	109	Y	Y				1.82	0.214	ng/l
MW-206	L2037961-01	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/16/2020	4.45	Y	Y		J	J	1.82	1.21	ng/l
MW-206	L2037961-01	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/16/2020	18.1	Y	Y				1.82	0.216	ng/l
MW-206	L2037961-01	PERFLUOROBUTANOIC ACID (PFBA)	9/16/2020	20.8	Y	Y				1.82	0.37	ng/l
MW-206	L2037961-01	PERFLUORODECANESULFONIC ACID (PFDS)	9/16/2020		Y	N	U		U	1.82	0.89	ng/l
MW-206	L2037961-01	PERFLUORODECANOIC ACID (PFDA)	9/16/2020	1.69	Y	Y	J		J	1.82	0.276	ng/l
MW-206	L2037961-01	PERFLUORODODECANOIC ACID (PFDOA)	9/16/2020		Y	N	U		U	1.82	0.338	ng/l
MW-206	L2037961-01	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/16/2020	1.53	Y	Y	J		J	1.82	0.625	ng/l
MW-206	L2037961-01	PERFLUOROHEPTANOIC ACID (PFHPA)	9/16/2020	10.1	Y	Y				1.82	0.204	ng/l
MW-206	L2037961-01	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/16/2020	2.56	Y	Y				1.82	0.341	ng/l
MW-206	L2037961-01	PERFLUOROTETRADECANOIC ACID (PFTA)	9/16/2020		Y	N	U		U	1.82	0.225	ng/l
MW-206	L2037961-01	PERFLUOROUNDECANOIC ACID (PFUNA)	9/16/2020		Y	N	U		U	1.82	0.236	ng/l
MW-206	L2037961-01	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/16/2020		Y	N	U		U	1.82	0.297	ng/l
MW-206	L2037961-01	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/16/2020		Y	N	U		U	1.82	0.73	ng/l
MW-206	L2037961-01	PERFLUOROHEXANOIC ACID (PFHXA)	9/16/2020	15.2	Y	Y				1.82	0.298	ng/l
MW-206	L2037961-01	PERFLUORONONANOIC ACID (PFNA)	9/16/2020	2.6	Y	Y				1.82	0.283	ng/l
MW-206	L2037961-01	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/16/2020		Y	N	U	UJ	UJ	1.82	0.527	ng/l
MW-206	L2037961-01	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/16/2020	88.1	Y	Y	F			1.82	0.458	ng/l
MW-206	L2037961-01	PERFLUOROOCTANOIC ACID (PFOA)	9/16/2020	20.4	Y	Y				1.82	0.214	ng/l

SDG: L2037961

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-206	L2037961-01	PERFLUOROPENTANOIC ACID (PFPEA)	9/16/2020	16.8	Y	Y				1.82	0.36	ng/l

Analytical Method SW6020B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-206	L2037961-01	ALUMINUM, TOTAL	9/14/2020	604	Y	Y		J	J	10	3.27	ug/l
MW-206	L2037961-01	CADMIUM, TOTAL	9/14/2020		Y	N	U		U	0.2	0.0599	ug/l
MW-206	L2037961-01	CHROMIUM, TOTAL	9/14/2020	6.083	Y	Y				1	0.178	ug/l
MW-206	L2037961-01	CALCIUM, TOTAL	9/14/2020	38900	Y	Y		J	J	100	39.4	ug/l
MW-206	L2037961-01	ARSENIC, TOTAL	9/14/2020	0.579	Y	Y				0.5	0.165	ug/l
MW-206	L2037961-01	COBALT, TOTAL	9/14/2020	1.75	Y	Y				0.5	0.163	ug/l
MW-206	L2037961-01	BERYLLIUM, TOTAL	9/14/2020		Y	N	U		U	0.5	0.107	ug/l
MW-206	L2037961-01	VANADIUM, TOTAL	9/14/2020	2.063	Y	Y	J		J	5	1.57	ug/l
MW-206	L2037961-01	BARIUM, TOTAL	9/14/2020	49.6	Y	Y				0.5	0.173	ug/l
MW-206	L2037961-01	COPPER, TOTAL	9/14/2020	5.084	Y	Y				1	0.384	ug/l
MW-206	L2037961-01	ANTIMONY, TOTAL	9/14/2020	1.034	Y	Y	J		J	4	0.429	ug/l
MW-206	L2037961-01	ZINC, TOTAL	9/14/2020	6.014	Y	Y	J		J	10	3.41	ug/l
MW-206	L2037961-01	THALLIUM, TOTAL	9/14/2020		Y	N	U		U	0.5	0.143	ug/l
MW-206	L2037961-01	SODIUM, TOTAL	9/14/2020	388000	Y	Y				100	29.3	ug/l
MW-206	L2037961-01	SILVER, TOTAL	9/14/2020		Y	N	U		U	0.4	0.163	ug/l
MW-206	L2037961-01	SELENIUM, TOTAL	9/14/2020		Y	N	U		U	5	1.73	ug/l
MW-206	L2037961-01	IRON, TOTAL	9/14/2020	1960	Y	Y		J	J	50	19.1	ug/l
MW-206	L2037961-01	POTASSIUM, TOTAL	9/14/2020	9050	Y	Y				100	30.9	ug/l
MW-206	L2037961-01	NICKEL, TOTAL	9/14/2020	62.72	Y	Y				2	0.556	ug/l
MW-206	L2037961-01	MANGANESE, TOTAL	9/14/2020	244	Y	Y				1	0.44	ug/l
MW-206	L2037961-01	LEAD, TOTAL	9/14/2020	0.7085	Y	Y	J		J	1	0.343	ug/l

SDG: L2037961

Analytical Method SW6020B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-206	L2037961-01	MAGNESIUM, TOTAL	9/14/2020	14400	Y	Y				70	24.2	ug/l

Analytical Method SW7470A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-206	L2037961-01	MERCURY, TOTAL	9/14/2020		Y	N	U		U	0.2	0.0915	ug/l

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-206	L2037961-01	2-HEXANONE	9/12/2020		Y	N	U	UJ	UJ	5	1	ug/l
MW-206	L2037961-01	1,3,5-TRIMETHYLBENZENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	1,3-DICHLOROBENZENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	1,3-DICHLOROPROPANE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	1,3-DICHLOROPROPENE, TOTAL	9/12/2020		Y	N	U		U	0.5	0.14	ug/l
MW-206	L2037961-01	1,4-DICHLOROBENZENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	BENZENE	9/12/2020		Y	N	U		U	0.5	0.16	ug/l
MW-206	L2037961-01	2,2-DICHLOROPROPANE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	BROMOCHLOROMETHANE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	4-METHYL-2-PENTANONE	9/12/2020		Y	N	U	UJ	UJ	5	1	ug/l
MW-206	L2037961-01	ACRYLONITRILE	9/12/2020		Y	N	U		U	5	1.5	ug/l
MW-206	L2037961-01	1,2-DICHLOROPROPANE	9/12/2020		Y	N	U		U	1	0.14	ug/l
MW-206	L2037961-01	1,2,4,5-TETRAMETHYLBENZENE	9/12/2020		Y	N	U		U	2	0.54	ug/l
MW-206	L2037961-01	BROMOBENZENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	1,4-DIOXANE	9/12/2020		Y	N	U	UJ	UJ	250	61	ug/l
MW-206	L2037961-01	1,2,3-TRICHLOROPROPANE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	NAPHTHALENE	9/12/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
MW-206	L2037961-01	BROMODICHLOROMETHANE	9/12/2020		Y	N	U		U	0.5	0.19	ug/l

SDG: L2037961

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-206	L2037961-01	TETRACHLOROETHENE	9/12/2020	0.39	Y	Y	J		J	0.5	0.18	ug/l
MW-206	L2037961-01	1,1,1,2-TETRACHLOROETHANE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	1,1,2,2-TETRACHLOROETHANE	9/12/2020		Y	N	U	UJ	UJ	0.5	0.17	ug/l
MW-206	L2037961-01	1,1,2-TRICHLOROETHANE	9/12/2020		Y	N	U		U	1.5	0.5	ug/l
MW-206	L2037961-01	1,2,4-TRIMETHYLBENZENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	1,2,3-TRICHLOROBENZENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	1,1-DICHLOROETHANE	9/12/2020	2.3	Y	Y	J		J	2.5	0.7	ug/l
MW-206	L2037961-01	1,2,4-TRICHLOROBENZENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	1,2-DIBROMO-3-CHLOROPROPANE	9/12/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
MW-206	L2037961-01	1,2-DIBROMOETHANE	9/12/2020		Y	N	U		U	2	0.65	ug/l
MW-206	L2037961-01	1,2-DICHLOROBENZENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	1,2-DICHLOROETHANE	9/12/2020		Y	N	U		U	0.5	0.13	ug/l
MW-206	L2037961-01	1,2-DICHLOROETHENE (TOTAL)	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	1,1-DICHLOROPROPENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	SEC-BUTYLBENZENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	METHYL TERT BUTYL ETHER	9/12/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
MW-206	L2037961-01	N-BUTYLBENZENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	N-PROPYLBENZENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	O-CHLOROTOLUENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	O-XYLENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	P-CHLOROTOLUENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	1,4-DIETHYLBENZENE	9/12/2020		Y	N	U		U	2	0.7	ug/l
MW-206	L2037961-01	4-ETHYLTOLUENE	9/12/2020		Y	N	U		U	2	0.7	ug/l
MW-206	L2037961-01	CIS-1,2-DICHLOROETHENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	P/M-XYLENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l

SDG: L2037961

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-206	L2037961-01	XYLENE (TOTAL)	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	TERT-BUTYLBENZENE	9/12/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
MW-206	L2037961-01	TRANS-1,2-DICHLOROETHENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	TRANS-1,3-DICHLOROPROPENE	9/12/2020		Y	N	U		U	0.5	0.16	ug/l
MW-206	L2037961-01	TRANS-1,4-DICHLORO-2-BUTENE	9/12/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
MW-206	L2037961-01	1,1-DICHLOROETHENE	9/12/2020	8.4	Y	Y				0.5	0.17	ug/l
MW-206	L2037961-01	2-BUTANONE	9/12/2020	46	Y	Y				5	1.9	ug/l
MW-206	L2037961-01	ACETONE	9/12/2020	70	Y	Y				5	1.5	ug/l
MW-206	L2037961-01	TRICHLOROETHENE	9/12/2020	9.2	Y	Y				0.5	0.18	ug/l
MW-206	L2037961-01	P-ISOPROPYLTOLUENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	DICHLORODIFLUOROMETHANE	9/12/2020		Y	N	U		U	5	1	ug/l
MW-206	L2037961-01	BROMOMETHANE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	CARBON DISULFIDE	9/12/2020		Y	N	U		U	5	1	ug/l
MW-206	L2037961-01	CARBON TETRACHLORIDE	9/12/2020		Y	N	U		U	0.5	0.13	ug/l
MW-206	L2037961-01	CHLOROBENZENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	CHLOROETHANE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	CHLOROFORM	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	CHLOROMETHANE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	CIS-1,3-DICHLOROPROPENE	9/12/2020		Y	N	U	UJ	UJ	0.5	0.14	ug/l
MW-206	L2037961-01	DIBROMOMETHANE	9/12/2020		Y	N	U		U	5	1	ug/l
MW-206	L2037961-01	BROMOFORM	9/12/2020		Y	N	U	UJ	UJ	2	0.65	ug/l
MW-206	L2037961-01	ETHYL ETHER	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	ETHYLBENZENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	HEXACHLOROBUTADIENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	ISOPROPYLBENZENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l

SDG: L2037961

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-206	L2037961-01	METHYLENE CHLORIDE	9/12/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
MW-206	L2037961-01	STYRENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	TOLUENE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	TRICHLOROFLUOROMETHANE	9/12/2020		Y	N	U		U	2.5	0.7	ug/l
MW-206	L2037961-01	VINYL ACETATE	9/12/2020		Y	N	U		U	5	1	ug/l
MW-206	L2037961-01	VINYL CHLORIDE	9/12/2020		Y	N	U		U	1	0.07	ug/l
MW-206	L2037961-01	DIBROMOCHLOROMETHANE	9/12/2020		Y	N	U	UJ	UJ	0.5	0.15	ug/l
MW-206	L2037961-01	1,1,1-TRICHLOROETHANE	9/14/2020	540	Y	Y				25	7	ug/l

Analytical Method SW8270DSIM

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-206	L2037961-01	1,4-DIOXANE	9/15/2020	1250	Y	Y				144	32.6	ng/l

Site: 33 Centre Avenue
Laboratory: Alpha Analytical, Inc.
Report No.: L2038034
Reviewer: Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date: October 21, 2020

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-209D (48-58)	L2038034-01	VOC, 1,4-Dioxane, PFAS
MW-209S (62.5-67.5)	L2038034-02	VOC, 1,4-Dioxane, PFAS
MW-209S (62.5-67.5)DL	L2038034-02DL	PFAS
MW-209D (48-58)MS	L2038034-01MS	PFAS
MW-209S (62.5-67.5)DUP	L2038034-02DUP	PFAS
MW-209S (62.5-67.5)DLDUP	L2038034-02DLDUP	PFAS

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed water samples were collected on September 12, 2020 and were analyzed for volatile organic compounds (VOC) by SW-846 method 8260C, 1,4-dioxane by SW-846 method 8270D in selected ion monitoring (SIM) mode, and perfluoroalkyl and polyfluoroalkyl substances (PFAS) by method 537 modified. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C,* SOP HW-24, Revision 4 (October 2014), the USEPA Region 2 *Standard Operating Procedure for Semivolatile Data Validation SW-846 Method 8270D,* SOP HW-35A, Revision 0 (June 2015), the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-2017-002 (January 2017), and the USEPA Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFAS) Analyzed Using EPA Method 537 (November 2018), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Liquid Chromatography/Mass Spectrometry (LC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Duplicate Results
- Laboratory Control Sample (LCS) Results
- Internal Standards/Labeled Compounds
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers with the exception listed below.

Sample MW-209S (62.5-67.5)DL was diluted for perfluorooctanesulfonic acid due to original analysis exceeding the calibration range. For the perfluorooctanesulfonic acid result in sample MW-209S (62.5-67.5)DL, the diluted results should be considered the most usable. The MW-209S (62.5-67.5) result should not be considered usable for perfluorooctanesulfonic acid.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

VOC and 1,4-Dioxane

All criteria were met.

LC/MS Tunes

PFAS

All criteria were met.

Initial and Continuing Calibrations

VOC

Initial calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
08/07/22	ICAL-VOA108	1,4-Dioxane	0.00219 (≥0.005)	MW-209D (48-58) MW-209S (62.5-67.5)	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane results were estimated due to response factor exceedance. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
08/08/20	ICV-VOA108	Dichlorodifluoromethane	55.7	MW-209D (48-58) MW-209S (62.5-67.5)	XX	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The dichlorodifluoromethane results were estimated due to continuing calibration exceedance. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
09/15/20	CCV-VOA108	Bromomethane	34.8	MW-209D (48-58)	XX	J detects/UJ nondetects
		Chloroethane	27.9	MW-209S (62.5-67.5)	XX	J detects/UJ nondetects
		Acetone	29.8		XX	J detects/UJ nondetects
		Methyl-tert-butyl ether	23.7		XX	J detects/UJ nondetects
		Acrylonitrile	25.8		XX	J detects/UJ nondetects
		Vinyl acetate	36.5		XX	J detects/UJ nondetects
		4-Methyl-2-pentanone	29.3		XX	J detects/UJ nondetects
		1,2-Dibromoethane	20.2		XX	J detects/UJ nondetects
		2-Hexanone	38.9		XX	J detects/UJ nondetects
		1,2,3-Trichloropropane	23.4		XX	J detects/UJ nondetects
		trans-1,4-Dichloro-2-butene	31.1		XX	J detects/UJ nondetects
		Naphthalene	28.1		XX	J detects/UJ nondetects
		1,2-Dibromo-3-chloropropane	26		XX	J detects/UJ nondetects

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
09/15/20	CCV-VOA108	1,4-Dioxane	0.00182 (≥0.005)	MW-209D (48-58) MW-209S (62.5-67.5)	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The bromomethane, chloroethane, acetone, methyl-tert-butyl ether, acrylonitrile, vinyl acetate, 4-methyl-2-pentanone, 1,2-dibromoethane, 2-hexanone, 1,2,3-trichloropropane, trans-1,4-dichloro-2-butene, naphthalene, and 1,2-dibromo-3-chloropropane results were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The 1,4-dioxane results were estimated due to response factor exceedance. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

1,4-Dioxane and PFAS

All criteria were met.

Blanks

Contamination was not detected in the method blanks.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

VOC and 1,4-Dioxane

All criteria were met.

MS/MSD Results

VOC and 1,4-Dioxane

MS/MSD analyses were not associated with this sample set. Validation action was not required on this basis.

PFAS

MS analyses were performed on sample MW-209D (48-58) for PFAS analysis. All criteria were met.

Laboratory Duplicate Results

PFAS

Laboratory duplicates were performed on samples MW-209S (62.5-67.5) and MW-209S (62.5-67.5)DL for PFAS analysis. All criteria were met.

LCS Results

VOC

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the VOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
WG1410014-3/4	Vinyl acetate	69 (70-130)	68 (70-130)	MW-209D (48-58)	UJ nondetects
	trans-1,4-Dichloro-2-butene	69 (70-130)	-	MW-209S (62.5-67.5)	UJ nondetects

- Within control limits

The vinyl acetate and trans-1,4-dichloro-2-butene results may be biased low due to low LCS/LCSD percent recoveries. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

1,4-Dioxane and PFAS

All criteria were met.

Internal Standards/Labeled Compounds

VOC and 1,4-Dioxane

All criteria were met.

PFAS

The following table lists the labeled compound percent recoveries outside of control limits in the PFAS analysis and the resulting validation actions.

Sample	Labeled Compound	%R (Limits)	Affected Compounds	Validation actions
MW-209D (48-58)	M8-FOSA	28 (50-150)	Perfluorooctanesulfonamide	UJ nondetects
MW-209S (62.5-67.5)	M8-FOSA	23 (50-150)	Perfluorooctanesulfonamide	J detects/UJ nondetects
	M2-6:2FTS	186 (25-150)	1H,1H,2H,2H-Perfluorooctanesulfonic acid	J detects/UJ nondetects

The perfluorooctanesulfonamide and 1H,1H,2H,2H-perfluorooctanesulfonic acid results for the samples listed above were estimated due to labeled compound percent recovery exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC and PFAS analyses. These results were qualified as estimated (J) by the laboratory.

No results were reported below the RL and above the MDL in the 1,4-dioxane analysis.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	VOC Analysis Reported
MW-209D (48-58)	5-fold dilution due to sample matrix
MW-209S (62.5-67.5)	20-fold dilution due to sample matrix

Sample	1,4-Dioxane Analysis Reported
MW-209S (62.5-67.5)	4-fold dilution due to sample matrix

Sample	PFAS Analysis Reported
MW-209S (62.5-67.5)DL	5-fold dilution due to high compound levels

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

The following table lists target compound identifications that did not meet validation criteria and the resulting validating actions.

Sample	Compound	Ion Ratio (Limits)	Validation Actions
MW-209D (48-58)	1H,1H,2H,2H-Perfluorooctanesulfonic acid	34.17 (10.73-32.19)	J detects
MW-209S (62.5-67.5)	1H,1H,2H,2H-Perfluorooctanesulfonic acid	51.97 (10.73-32.19)	J detects

The 1H,1H,2H,2H-perfluorooctanesulfonic acid results were estimated due to ion ratio exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 49292C1a

SDG #: L2038034

Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET

Category B

Date: 10/20/20

Page: 1 of 1

Reviewer: EJ

2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	SW / SW	%RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	
IX.	Laboratory control samples	SW	LCS ID
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Results < RL > MDL = Jdt
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-209D (48-58) 5X	L2038034-01	Water	09/12/20
2	MW-209S (62.5-67.5) 20X	L2038034-02	Water	09/12/20
3				
4				
5				
6				
7				
8				
9				

Notes:

	WG1410014-5 Blank						

LDC #: 49292 c1a

VALIDATION FINDINGS CHECKLIST

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30%/15% (20%) and relative response factors (RRF) ≥ 0.05?	NA	✓		
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20% / 30%?		✓		
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) ≥ 0.05?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	

Validation Area				
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 49292c/a

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?

Y N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?

Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____

Y N N/A Did the initial calibration meet the acceptance criteria?

Y N N/A Were all %RSDs and RRFs within the validation criteria of ≤30/15% 20% RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: ____%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
	8/7/20	ICAL-VOA108	HHHH		0.00219 (I 0.005)	all	J/UJ/A NP

LDC #: 49292 c1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was an initial calibration verification standard analyzed after each ICAL for each instrument?

Y N N/A Were all %D within the validation criteria of ≤20 % (30%D)?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤ 30%)	Associated Samples	Qualifications
	9/6/20 1255	ICV-VOA 108	JJ	55.7	all	J/UJ/A pD

LDC #: 49292 c/a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: <20.0%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
	9/15/20 0810	CCV - VOA108	B	34.8		all	J/UJ/A ND + Det
			D	27.9			
			F	29.8			
			LL	23.7			
			GGGG	25.8			
			HH	36.5			
			Y	29.3			
			TT	20.2			
			Z	38.9			
			XX	23.4			
			YYYY	31.1			
			MMM	28.1			
			MM	26			
			HHHH		0.00182		

CONCAL.wpd

LDC #: 49292ch

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	WG1410014-	HH	69 (70-130)	68 (70-130)	( )	All	J/UJ/P (ND)
	3/4	YYYY	69 (↓)	( )	( )	↓	↓
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC #: 49292C1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 10ug/L std)	Recalculated (RRF 10ug/L std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/7/2020	C (IS 1)	0.345	0.345	0.325	0.325	7.910	7.910
	VOA108		CC (IS 2)	0.919	0.919	0.909	0.909	6.060	6.060
	ICAL17009		BB (IS 3)	0.819	0.819	0.814	0.814	3.760	3.760

LDC #: 49292C1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 0810 VOA108	8/15/20	C (IS1)	0.325	0.31	0.31	4.6	4.6
			CC (IS2)	0.909	0.802	0.802	11.8	11.8
			BB (IS3)	0.814	0.654	0.654	19.7	19.7
			(IS4)					
			(IS5)					
2			(IS1)					
			(IS2)					
			(IS3)					
			(IS4)					
			(IS5)					
3			(IS1)					
			(IS2)					
			(IS3)					
			(IS4)					
			(IS5)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292 c1a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	10.0	11.433	114	114	0
1,2-Dichloroethane-d4	↓	10.987	110	110	↓
Toluene-d8		9.864	99	99	
Bromofluorobenzene		10.033	100	101	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 49292c1a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: WG1410014-3/4

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	10	10	9.0	9.3	90	90	93	93	3	3
Trichloroethene	↓	↓	9.1	9.2	91	91	92	92	1	1
Benzene			8.8	8.9	88	88	89	89	1	1
Toluene			8.8	8.6	88	88	86	86	2	2
Chlorobenzene			8.8	8.8	88	88	88	88	0	0

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292c1a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #2 , NNN

Conc. = $\frac{(165230)(10.0)(20)}{(193455)(0.390)}$

= 438 ug/L

#	Sample ID	Compound	Reported Concentration (ug/L)	Calculated Concentration (ug/L)	Qualification
	#2	NNN	440	438	

LDC #: 49292C2c

SDG #: L2038034

Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET

Category B

Date: 10/19/20

Page: 1 of 1

Reviewer: [illegible]

2nd Reviewer: [illegible]

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/Δ	
II.	GC/MS Instrument performance check	Δ	
III.	Initial calibration/ICV	A/Δ	%D RSD ≤ 20 ICV ≤ 30
IV.	Continuing calibration pending	Δ	CCV ≤ 20
V.	Laboratory Blanks	Δ	
VI.	Field blanks	N	
VII.	Surrogate spikes	Δ	
VIII.	Matrix spike/Matrix spike duplicates	N	cs
IX.	Laboratory control samples	A	LCS ID
X.	Field duplicates	N	
XI.	Internal standards	Δ	
XII.	Compound quantitation RL/LOQ/LODs	Δ	ND Results < RL > MDL
XIII.	Target compound identification	Δ	
XIV.	System performance	Δ	
XV.	Overall assessment of data	Δ	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-209D (48-58)	L2038034-01	Water	09/12/20
2	MW-209S (62.5-67.5) 4X	L2038034-02	Water	09/12/20
3				
4				
5				
6				
7				
8				
9				

Notes:

	WG1409921-1 Blank						

LDC #: 49292 C2c **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: FT

Method: Semivolatiles (EPA SW 846 Method 8270 D)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 15/30% or 20% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?			✓	
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20% or 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?	✓			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any percent recoveries (%R) was less than 10%, was a reanalysis performed to confirm %R ?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	CC. Dimethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	GGGG. C30-Hopane	I1. Methyl methanesulfonate
B. Bis (2-chloroethyl) ether	DD. Acenaphthylene	FFF. Di-n-octylphthalate	HHHH. 1-Methylphenanthrene	J1. Ethyl methanesulfonate
C. 2-Chlorophenol	EE. 2,6-Dinitrotoluene	GGG. Benzo(b)fluoranthene	IIII. 1,4-Dioxane	K1. o,o',o''-Triethylphosphorothioate
D. 1,3-Dichlorobenzene	FF. 3-Nitroaniline	HHH. Benzo(k)fluoranthene	JJJJ. Acetophenone	L1. n-Phenylene diamine
E. 1,4-Dichlorobenzene	GG. Acenaphthene	III. Benzo(a)pyrene	KKKK. Atrazine	M1. 1,4-Naphthoquinone
F. 1,2-Dichlorobenzene	HH. 2,4-Dinitrophenol	JJJ. Indeno(1,2,3-cd)pyrene	LLLL. Benzaldehyde	N1. N-Nitro-o-toluidine
G. 2-Methylphenol	II. 4-Nitrophenol	KKK. Dibenz(a,h)anthracene	MMMM. Caprolactam	O1. 1,3,5-Trinitrobenzene
H. 2,2'-Oxybis(1-chloropropane)	JJ. Dibenzofuran	LLL. Benzo(g,h,i)perylene	NNNN. 2,6-Dichlorophenol	P1. Pentachlorobenzene
I. 4-Methylphenol	KK. 2,4-Dinitrotoluene	MMM. Bis(2-Chloroisopropyl)ether	OOOO. 1,2-Diphenylhydrazine	Q1. 4-Aminobiphenyl
J. N-Nitroso-di-n-propylamine	LL. Diethylphthalate	NNN. Aniline	PPPP. 3-Methylphenol	R1. 2-Naphthylamine
K. Hexachloroethane	MM. 4-Chlorophenyl-phenyl ether	OOO. N-Nitrosodimethylamine	QQQQ. 3&4-Methylphenol	S1. Triphenylene
L. Nitrobenzene	NN. Fluorene	PPP. Benzoic Acid	RRRR. 4-Dimethyldibenzothiophene (4MDT)	T1. Octachlorostyrene
M. Isophorone	OO. 4-Nitroaniline	QQQ. Benzyl alcohol	SSSS. 2/3-Dimethyldibenzothiophene (4MDT)	U1. Famphur
N. 2-Nitrophenol	PP. 4,6-Dinitro-2-methylphenol	RRR. Pyridine	TTTT. 1-Methyldibenzothiophene (1MDT)	V1. 1,4-phenylenediamine
O. 2,4-Dimethylphenol	QQ. N-Nitrosodiphenylamine	SSS. Benzidine	UUUU.. 2,3,4,6-Tetrachlorophenol	W1. Methapyrilene
P. Bis(2-chloroethoxy)methane	RR. 4-Bromophenyl-phenylether	TTT. 1-Methylnaphthalene	VVVV. 1,2,4,5-Tetrachlorobenzene	X1. Pentachloroethane
Q. 2,4-Dichlorophenol	SS. Hexachlorobenzene	UUU.Benzo(b)thiophene	WWWW.. 2-Picoline	Y1. 3,3'-Dimethylbenzidine
R. 1,2,4-Trichlorobenzene	TT. Pentachlorophenol	VVV.Benzonaphthothiophene	XXXX. 3-Methylcholanthrene	Z1. o-Toluidine
S. Naphthalene	UU. Phenanthrene	WWW.Benzo(e)pyrene	YYYY. a,a-Dimethylphenethylamine	A2. 1-Naphthylamine
T. 4-Chloroaniline	VV. Anthracene	XXX. 2,6-Dimethylnaphthalene	ZZZZ. Hexachloropropene	B2. 4-Aminobiphenyl
U. Hexachlorobutadiene	WW. Carbazole	YYY. 2,3,5-Trimethylnaphthalene	A1. N-Nitrosodiethylamine	C2. 4-Nitroquinoline-1-oxide
V. 4-Chloro-3-methylphenol	XX. Di-n-butylphthalate	ZZZ. Perylene	B1. N-Nitrosodi-n-butylamine	D2. Hexachloropene
W. 2-Methylnaphthalene	YY. Fluoranthene	AAAA. Dibenzothiophene	C1. N-Nitrosomethylethylamine	E2. Bis (2-chloro-1-methylethyl) ether
X. Hexachlorocyclopentadiene	ZZ. Pyrene	BBBB. Benzo(a)fluoranthene	D1. N-Nitrosomorpholine	F2. Bifenthrin
Y. 2,4,6-Trichlorophenol	AAA. Butylbenzylphthalate	CCCC. Benzo(b)fluorene	E1. N-Nitrosopyrrolidine	G2. Cyfluthrin
Z. 2,4,5-Trichlorophenol	BBB. 3,3'-Dichlorobenzidine	DDDD. cis/trans-Decalin	F1. Phenacetin	H2. Cypermethrin
AA. 2-Chloronaphthalene	CCC. Benzo(a)anthracene	EEEE. 1,1'-Biphenyl	G1. 2-Acetylaminofluorene	I2. Permethrin (cis/trans)
BB. 2-Nitroaniline	DDD. Chrysene	FFFF. Retene	H1. Pronamide	J2. 5-Nitro-o-toluidine

LDC #: 49292 c2e

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

METHOD: GC/MS BNA (EPA SW 846 Method 8270 (7))
The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

RRF = $(A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs,

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard
X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (Internal Standard)	Reported RRF (500 std)	Recalculated RRF (500 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL PAH16	8/15/20	1,4-Dioxane (1st IS)	1.516	1.516	1.481	1.481	5.63	5.63
			(2nd IS)						
			(3rd IS)						
			(4th IS)						
			(5th IS)						
			(6th IS)						
2			(1st IS)						
			(2nd IS)						
			(3rd IS)						
			(4th IS)						
			(5th IS)						
			(6th IS)						
3			(1st IS)						
			(2nd IS)						
			(3rd IS)						
			(4th IS)						
			(5th IS)						
			(6th IS)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292C2c

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 1837 PAH16	9/15/20	1,4-Dioxane (1st IS)	1.481	1.581	1.581	6.8	6.8
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
2	CCV 0313 PAH16	9/16/20	↓ (1st IS)	↓	1.544	1.544	4.3	4.3
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
3			(1st IS)					
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292C2C

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: WG1409921-2/3

Compound	Spike Added (ng/L)		Spike Concentration (ng/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol										
N-Nitroso-di-n-propylamine										
4-Chloro-3-methylphenol										
Acenaphthene										
Pentachlorophenol										
Pyrene										
1,4-Dioxane	5000	5000	5450	5560	5560	109	111	111	2	2
					109					

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292C2C

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
~~Nitrobenzene-d5~~ 1,4-Dioxane d8	500.0	250.961	50	50	0
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 49292C2C

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #2, _____: 1,4-Dioxane

Conc. = $\frac{(532825)\ (125.0)\ (2.5)\ (4)\ (1000)}{(5623)\ (1.481)\ (\cancel{260}\ 270)}$

= 296215 ng/L

4X

#	Sample ID	Compound	Reported Concentration (ng/L)	Calculated Concentration (ng/L)	Qualification
	#2	1,4-Dioxane	296000	296215	

LDC #: 49292C96 **VALIDATION COMPLETENESS WORKSHEET** Date: 10/9/20
SDG #: L2038034 Category B Page: 1 of 1
Laboratory: Alpha Analytical, Inc. Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: LC/MS Perfluoroalkyl & Polyfluoroalkyl Substances (EPA Method 537M)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	LC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	r TV ≤ 50/30 ICV ≤ 30
IV.	Continuing calibration/ISC	A / A	D ≤ 30 ISC ≤ 50
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Matrix spike/Matrix spike duplicates /DUP	A / A	
VIII.	Laboratory control samples	A	LCS/D
IX.	Field duplicates	N	
X.	Labeled Compounds	SW	
VI.	Compound quantitation RL/LOQ/LODs	A	<RL
XII.	Target compound identification	SW	
XIII.	System performance	A	
XIV.	Overall assessment of data	SW	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-209D (48-58)	L2038034-01	Water	09/12/20
2	MW-209S (62.5-67.5)	L2038034-02	Water	09/12/20
3	MW-209D (48-58)MS	L2038034-01MS	Water	09/12/20
4	MW-209S (62.5-67.5)DUP	L2038034-02DUP	Water	09/12/20
5	#2DL (SX) (PFOS only)	↓ D2DL	↓	↓
6	#4DL ↓	↓ 02DUPDL	↓	↓
7				
8				
9				
10				

Notes:

	WG1409874						

LDC #: 49292C90 **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: MK

Method: LC/MS PFAS (EPA Method 537Mod)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	√			
Were cooler temperature criteria met?	√			
II. LC/MS Instrument performance check				
Were the instrument performance reviewed and found to be within the validation criteria?	√			
III. Initial calibration and Initial Calibration Verification				
Did the laboratory perform a 5-point calibration prior to sample analysis?	√			
Were all percent relative standard deviations (%RSD) ≤ 20%?			√	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit criteria of ≥ 0.990?	√			
Were all analytes within 70-130% or percent differences (%D) ≤30% of their true value for each calibration standard except the lowest point (50-150%)?	√			
Was the signal to noise (S/N) ratio for all compounds within the validation criteria?	√			
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	√			
Were all percent differences (%D) ≤ 30%?	√			
IV. Continuing calibration and Instrument Sensitivity Check				
Was a continuing calibration analyzed prior to sample analysis, after every 10 samples and at the end of the analytical sequence?	√			
Were all percent differences (%D) of the continuing calibration ≤ 30%?	√			
Was the signal to noise (S/N) ratio for all compounds within the validation criteria?	√			
Were all percent differences (%D) of the Instrument Sensitivity Check ≤ 50%?	√			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	√			
Was a laboratory blank analyzed for each matrix and concentration?	√			
Was there contamination in the laboratory blanks?		√		
VI. Field blanks				
Were field blanks identified in this SDG?		√		
Were target compounds detected in the field blanks?			√	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	√			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	√			

LDC #: 49292C96

VALIDATION FINDINGS CHECKLIST

Reviewer: M

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch for this SDG?	√			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	√			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		√		
Were target compounds detected in the field duplicates?			√	
XI. Labeled compounds				
Were labeled compound percent recoveries (%R) within the QC limits?		√		
XII. Compound quantitation				
Did the laboratory reporting limits (RL) meet the QAPP RLs?			√	
Did reported results include both branched and linear isomers?	√			
Were the correct ion transition, labeled compound and relative response factor (RRF) used to quantitate the compound?	√			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	√			
XIII. Target compound identification				
Was the signal to noise (S/N) ratio for all compounds within the validation criteria?	√			
Were two transitions and the ion transition ratio per analyte monitored and documented except for PFBA and PFPeA?	√			
Were ion ratios within QC limits?		√		
XIV. System performance				
System performance was found to be acceptable.	√			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	√			

TARGET COMPOUND WORKSHEET

METHOD: PFAS

	Associated Labeled Compound		
A. Perfluorobutanoic acid (PFBA)	MPFBA		
B. Perfluoropentanoic acid (PFPeA)	M5PFPEA		
C. Perfluorohexanoic acid (PFHxA)	M5PFHxA		
D. Perfluoroheptanoic acid (PFHpA)	M4PFHpA		
E. Perfluorooctanoic acid (PFOA)	M8PFOA		
F. Perfluorononanoic acid (PFNA)	M9PFNA		
G. Perfluorodecanoic acid (PFDA)	M8PFDA		
H. Perfluoroundecanoic acid (PFUnA)	M7PFUDA		
I. Perfluorododecanoic acid (PFDoA)	MPFDOA		
J. Perfluorotridecanoic acid (PFTrDA)	MPFDOA		
K. Perfluorotetradecanoic acid (PFTA)	M2PFTEDA		
L. Perfluorobutanesulfonic acid (PFBS)	M3PFBS		
M. Perfluorohexanesulfonic acid (PFHxS)	M3PFHxS		
N. Perfluoroheptanesulfonic acid (PFHpS)	M8PFOS		
O. Perfluorooctanesulfonic acid (PFOS)	M8PFOS		
P. Perfluorodecanesulfonic acid (PFDS)	M8PFOS		
Q. Perfluorooctanesulfonamide (FOSA)	M8FOSA		
R. N-Methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	d3-NMeFOSAA		
S. N-Ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	d5-NEtFOSAA		
T. 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2FTS)	M2-6:2FTS		
U. 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2FTS)	M2-8:2FTS		
V. 9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)			
W. 11-Chloroeicosafluoro-3-Oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			
X. Hexafluoropropylene oxide dimer acid (HFPO-DA)			
Y. 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2FTS)	M2-4:2FTS		
Z. Perfluorononanesulfonic acid (PFNS)	M8PFOS		

LDC #: 49292C96

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

Reviewer: N

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

All available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.

(Y) N N/A Was the overall quality and usability of the data acceptable?

#	Date	Sample ID	Compound	Finding	Qualifications
		2	0	> calib range	NR

Comments: _____

LDC #: 49272C96

VALIDATION FINDINGS WORKSHEET
Labeled Compounds

Reviewer: JC

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y (N) N/A Were all labeled compound recoveries within the QC criteria?

#	Date	Lab ID/Reference	Labeled Compound	% Recovery (Limit)	Qualifications
		1 (Nb)	MeFOSA	28 (50-150)	J/UJ/P (Q)
			↓	(↓)	↓
		2 (dets/Nb)		23 ( )	
			M2-6:2FTS	186 (25-150)	(T)
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	

LDC #: 49286C96

VALIDATION FINDINGS WORKSHEET
Target Compound Identification

Reviewer: [illegible]

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was the signal to noise (S/N) ratio for all compounds within the validation criteria?
Y N N/A Were two transitions and the ion transition ratio per analyte monitored and documented with the exception of PFBA and PFPeA?
Y N N/A Were ion ratios within QC limits?

#	Date	Sample ID	Compound	Ion ratio (Limits)	Qualifications
		1	T	34.17 (10.73-32.19)	Jdet/P
			br-PFOS	5.05 (1.24-3.73)	No qual. L-PFOS in
		2	br-PFHxS	2.10 (0.68-2.05)	No qual. L-PFHxS in
			T	51.97 (10.73-32.19)	Jdet/P
			br-PFOS	4.99 (1.24-3.73)	No qual. L-PFOS in
		5	br-PFOS	4.94	

LDC #: 49292C96

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Method: LC/MS PFAS (EPA Method 537M)

Calibration Date	Analyte	Standard	(X) Concentration ratio	(Y) Area ratio
9/15/2020	L-PFOA	1	0.050	0.0489007
		2	0.100	0.0970421
		3	0.500	0.4657460
		4	1.000	0.9021630
		5	5.000	4.4974269
		6	15.000	13.7950265
		7	25.000	23.9068001

Linear through the origin

	Calculated	***Reported***
Constant	0.000000	0.0000
X Coefficient(s)	0.945184	0.937044
Correlation Coefficient	0.999823	
Coefficient of Determination (r^2)	0.999646	0.999439

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Method: LC/MS PFAS (EPA Method 537M)

Date	Analyte	Standard	(Y) Concentration ratio	(X) Area Ratio	(X^2) Area Ratio
9/15/2020	L-PFOS	1	0.0365	0.037	0.0014
		2	0.0730	0.074	0.0055
		3	0.3650	0.367	0.1347
		4	0.7300	0.693	0.4805
		5	3.6500	3.695	13.6534
		6	10.9500	10.642	113.2506
		7	18.2500	19.072	363.7318

Regression Output			Reported
Constant	c =	0.0000	0
Std Err of Y Est			
Degrees of Freedom			
	a =	-0.006405	0.000439453
X Coefficient(s)			
Std Err of Coef.	b =	1.081295059	0.955168000
Correlation Coefficient		0.999895	
Coefficient of Determination (r^2)	r^ 2	0.999790	0.999394

LDC #: 49292C96

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Method: LC/MS PFAS (EPA Method 537M)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound
Cx = Concentration of compound,
Ais = Area of associated internal standard
Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	True Conc	Reported Conc	Recalculated Conc	Reported %R	Recalculated %R
1	I28830	9/15/2020	L-PFOA (13C8-PFOA)	1.000	1.003	1.003	100.3	100.3
			L-PFOS (13C8-PFOS)	0.730	0.753	0.753	103.1	103.1
2	I28900	9/16/2020	L-PFOA (13C8-PFOA)					
			L-PFOS (13C8-PFOS)	7.300	7.357	7.356	100.8	100.8
3			L-PFOA (13C8-PFOA)					
			L-PFOS (13C8-PFOS)					
4			L-PFOA (13C8-PFOA)					
			L-PFOS (13C8-PFOS)					
5			L-PFOA (13C8-PFOA)					
			L-PFOS (13C8-PFOS)					

LDC # 49292C96

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Method: LC/MS PFAS (EPA Method 537M)

The percent recoveries (%R) and relative percent differences (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

SSC = (Area spike) (Conc IS) / (Area IS) (average RRF spike)
%Recovery = 100 * (SSC - SC)/SA

Where: SSC = Spiked concentration, SA = Spike added, SC = Sample concentration

RPD = | MS - MSD | * 2/(MS + MSD)

MS = Matrix spike recovery, MSD = Matrix spike duplicate recovery

MS/MSD ID: 3

Compound	SA (ng/L)		SC (ng/L)	SSC (ng/L)		MS Percent Recovery		MSD Percent Recovery		MS/MSD RPD	
	MS	MSD		MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
PFOA	36.5		29.4	67.2		103	104				
PFOS	33.9		193.0	216		68	68				

LDC #: 49292C96

VALIDATION FINDINGS WORKSHEET
LCS Results Verification

Reviewer: SC

Method: LC/MS PFAS (EPA Method 537M)

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control duplicate were recalculated for the compounds identified below using the following calculation:

SSC = (Area spike) (Conc IS) / (Area IS) (average RRF spike)
%Recovery = 100 * SSC/SA

Where:
SSC = Spiked concentration
SA = Spike added
LCS = Laboratory control spike recovery
LCSD = Laboratory control spike duplicate recovery

RPD = | LCS - LCSD | * 2/(LCS + LCSD)

LCS/LCSD ID: WG1409874-2/3

Compound	SA (ng/L)		SSC (ng/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
PFOA	40.0	40.0	39.6	39.5	99	99	99	99	0	0
PFOS	37.1	37.1	37.3	37.0	100	101	100	100	0	1

LDC #: 49292C96

VALIDATION FINDINGS WORKSHEET
Sample Results Verification

Reviewer: SC

Method: LC/MS PFAS (EPA Method 537M)

Compound results for all Level IV samples reported with a positive detect were recalculated and verified using the following equation:

$$\text{Concentration} = \frac{(Ax)\,(Vo)\,(Df)}{(RRF)\,(Wt)\,(\%S)}$$

Where:

Ax = Area or height of the peak for the compound to be measured
Ais = Area or height of the peak for the internal standard
Cis = Concentration of the internal standard
DF = Dilution factor
Vt = Volume of extract in milliters (mL)
RRF = Average relative response factor
Wt = Weight of sample in grams (g)

Sample #	Compound	Ax	Ais	Cis	DF	RRF	Vt (mL)	Wt (g)	%S	Calculated Concentration (ng/L)	Reported Concentration (ng/L)	% Diff
1	L-PFOA	54216	86088	10	1	0.937044	1	253.98		26.46		
	br-PFOA	5992	86088	10	1	0.937044	1	253.98		2.92		
	Total									29.4	29.4	

Site: 33 Centre Avenue
Laboratory: Alpha Analytical, Inc.
Report No.: L2038034
Reviewer: Darionna Malone and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date: October 21, 2020

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-209D (48-58)	L2038034-01	Metals
MW-209S (62.5-67.5)	L2038034-02	Metals
MW-209D (48-58)MS	L2038034-01MS	Metals
MW-209D (48-58)DUP	L2038034-01DUP	Metals
MW-209S (62.5-67.5)MS	L2038034-02MS	Metals
MW-209S (62.5-67.5)DUP	L2038034-02DUP	Metals

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed water samples were collected on September 12, 2020 and were analyzed for metals by SW-846 methods 6020B/7470A. The data validation was performed in accordance with USEPA Region 2 *Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program,* SOP HW-3b/c, Revision 1 (September 2016) and the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review,* EPA 540-R-2017-001 (January 2017), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS) Results
- Serial Dilution Results
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met.

CRQL Standard Recoveries

All criteria were met.

Blank Results

Analytes were detected below the reporting limits in the laboratory blank samples. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
ICB/CCB	Thallium	0.654 ug/L	RL	MW-209D (48-58)
	Iron	49.0 ug/L	RL	MW-209S (62.5-67.5)
	Mercury	0.2051 ug/L	0.2051 ug/L	

Blank Actions for analytes detected below the reporting limit(RL).
If the sample result is < RL, report the result as nondetect (U) at the RL.
If the sample result is > RL or nondetect, no action is required.
Blank Actions for analytes detected above the reporting limit or RL.
If the sample result is < RL and <action level; report the result as nondetect (U) at the RL.
If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.
If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
MW-209D (48-58)	Thallium	0.2689 ug/L	1.00U ug/L
	Mercury	0.1084 ug/L	0.2000U ug/L

Sample	Analyte	Reported Level	Validation Action
MW-209S (62.5-67.5)	Thallium	0.2079 ug/L	1.00U ug/L
	Mercury	0.1671 ug/L	0.2000U ug/L

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

A field blank was not associated with this sample set. Validation action was not required on this basis.

ICP ICS Results

Analytes were within control limits in the SIC analysis.

MS Results

MS analyses were performed on samples MW-209D (48-58) and MW-209S (62.5-67.5) for metals analyses. All criteria were met.

Laboratory Duplicate Results

Laboratory duplicates were performed on samples MW-209D (48-58) and MW-209S (62.5-67.5) for metals analyses. All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on samples MW-209D (48-58) and MW-209S (62.5-67.5) for metals analyses. All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the metals analyses. These results were estimated (J) by the laboratory.

Dilutions were not required for metals analyses.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 49292C4a
SDG #: L2038034
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date:10/20/2020
Page: 1 of 1
Reviewer: DTM
2nd Reviewer:

METHOD: Metals (EPA SW 846 Method 6020B/7470A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	N	SIC
IV.	Laboratory Blanks	SW	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	SW	3 Ca, Mg >4xSpike
VII.	Duplicate sample analysis	A	
VIII.	Serial Dilution	A	
IX.	Laboratory control samples	A	LCS
X.	Field Duplicates	N	
XI.	Sample Result Verification	A	
XII.	Overall Assessment of Data	A	MDL<Samples<RL, Jdet/A

Tune:A
Internal Standard:A

Note: A = Acceptable; ND = No compounds detected; D = Duplicate; SB=Source blank
N = Not provided/applicable; R = Rinsate; TB = Trip blank; OTHER:
SW = See worksheet; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	Matrix	Date
1	MW-209D (48-58)	L2038034-01	Water	09/12/20
2	MW-209S (62.5-67.5)	L2038034-02	Water	09/12/20
3	MW-209D (48-58)MS	L2038034-01MS	Water	09/12/20
4	MW-209D (48-58)DUP	L2038034-01DUP	Water	09/12/20
5	MW-209S (62.5-67.5)MS	L2038034-02MS	Water	09/12/20
6	MW-209S (62.5-67.5)DUP	L2038034-02DUP	Water	09/12/20
7				
8				
9				
10				
11				

Notes:

Method: Metals (EPA SW 846 Method 6010/6020/7000)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. ICP/MS Tune				
Were all isotopes in the tuning solution mass resolution within 0.1 amu?	✓			
Were %RSD of isotopes in the tuning solution ≤5%?	✓			
III. Calibration				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial and continuing calibration verification %Rs within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low standard checks within 70-130%			✓	
Were all initial calibration correlation coefficients within limits as specified by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
V. ICP Interference Check Sample				
Were ICP interference check samples performed daily?	✓			
Were the AB solution percent recoveries (%R) with the 80-120% QC limits?			✓	
VI. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water.	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.	✓			
Were the MS/MSD or duplicate relative percent differences (RPD) ≤ 20% for waters and ≤ 35% for soil samples? A control limit of +/- RL(+/-2X RL for soil) was used for samples that were ≤ 5X the RL, including when only one of the duplicate sample values were ≤ 5X the RL.	✓			
VII. Laboratory control samples				
Was an LCS anaylzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			

Validation Area	Yes	No	NA	Findings/Comments
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% QC limits for water samples and laboratory established QC limits for soils?	✓			

VIII. Internal Standards (EPA SW 846 Method 6020/EPA 200.8)				
Were all the percent recoveries (%R) within the 30-120% (6020)/60-125% (200.8) of the intensity of the internal standard in the associated initial calibration?	✓			
If the %Rs were outside the criteria, was a reanalysis performed?	✓			
IX. ICP Serial Dilution				
Was an ICP serial dilution analyzed if analyte concentrations were > 50X the MDL (ICP)/>100X the MDL(ICP/MS)?	✓			
Were all percent differences (%Ds) ≤ 10%?	✓			
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Sample Result Verification				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XII. Field duplicates				
Field duplicate pairs were identified in this SDG.		✓		
Target analytes were detected in the field duplicates.			✓	
XIII. Field blanks				
Field blanks were identified in this SDG.		✓		
Target analytes were detected in the field blanks.			✓	

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1-2	W	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn
QC 3-4	W	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, Tl, V, Zn
QC 5-6	W	Hg
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
Analysis Method		
ICP		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
ICP-MS		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
GFAA		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr

Comments: Mercury by CVAA if performed

LDC #: 49292C4a

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

Reviewer: DTM

METHOD: Trace metals (EPA SW 864 Method 6010/6020/7000)
Soil preparation factor applied: ____
Sample Concentration units, unless otherwise noted: ug/L
Associated Samples: ALL

					Sample Identification										
Analyte	**Maximum PB[a] (mg/L)**	**Maximum PB[a] (ug/L)**	**Maximum ICB/CCB[a] (ug/L)**	**Action Level**	**1**	2									
Tl			0.654		0.2689/1.00	0.2079/1.00									
Fe			49.0												
Hg			0.2051	0.2051 ~~2.051~~	0.1084/0.2000	0.1671/0.2000									

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".

Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 49292C4a

VALIDATION FINDINGS WORKSHEET

Initial and Continuing Calibration Calculation Verification

Reviewer: DTM

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found x 100 Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
N	ICP (Low Level calibration)						
N	ICP/MS (Low Level calibration)						
N	ICP (Initial calibration)						
ICV	ICP/MS (Initial calibration)	Mg	4980	5000	100	100	Y
ICV	CVAA (Initial calibration)	Hg	0.0030	0.0030	100	100	Y
N	ICP (Continuing calibration)						
CCV11	ICP/MS (Continuing calibration)	Tl	59.8	60.0	100	100	Y
CCV17	CVAA (Continuing calibration)	Hg	0.0098	0.0100	98	98	Y

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
9/15/2020	Mass Axis	115	114.9	± 0.1 AMU	NA	Y
9/15/2020	%RSD	59	1%	≤ 5% RSD	1%	Y

LDC #: 49292C4a

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: DTM

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)
Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
N	ICP interference check						
LCS	Laboratory control sample	K	10000ug/L	10000ug/L	100	100	Y
2	Matrix spike	Ag	(SSR-SR) 53.63ug/L	50ug/L	107	107	Y
3	Duplicate	Fe	27500ug/L	28400ug/L	3	3	Y
1	ICP serial dilution	Ba	120.2ug/L	130.4ug/L	8	8	Y

Comments:

LDC #: 49292C4a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: DTM

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Have results been reported and calculated correctly?
Y N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
Y N N/A Are all detection limits below the CRDL?

Detected analyte results for Ca,Al were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$ Recalculation:

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

#	Sample ID	Analyte	Reported Concentration (ug/L)	Calculated Concentration (ug/L)	Acceptable (Y/N)
	1	Ca	110000	110000	Y
	2	Al	212	212	Y

Huguenot Street Development - LDC# 49292C

SDG: L2038034

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-209D (48-58)	L2038034-01	PERFLUOROTETRADECANOIC ACID (PFTA)	9/15/2020		Y	N	U		U	1.97	0.244	ng/l
MW-209D (48-58)	L2038034-01	PERFLUORONONANOIC ACID (PFNA)	9/15/2020	3.17	Y	Y				1.97	0.307	ng/l
MW-209D (48-58)	L2038034-01	PERFLUOROHEXANOIC ACID (PFHXA)	9/15/2020	14.4	Y	Y				1.97	0.323	ng/l
MW-209D (48-58)	L2038034-01	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/15/2020	4.98	Y	Y				1.97	0.37	ng/l
MW-209D (48-58)	L2038034-01	PERFLUOROHEPTANOIC ACID (PFHPA)	9/15/2020	8.45	Y	Y				1.97	0.222	ng/l
MW-209D (48-58)	L2038034-01	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/15/2020	3.4	Y	Y				1.97	0.677	ng/l
MW-209D (48-58)	L2038034-01	PERFLUOROBUTANOIC ACID (PFBA)	9/15/2020	8.78	Y	Y				1.97	0.402	ng/l
MW-209D (48-58)	L2038034-01	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/15/2020	21.2	Y	Y				1.97	0.234	ng/l
MW-209D (48-58)	L2038034-01	PERFLUOROOCTANOIC ACID (PFOA)	9/15/2020	29.4	Y	Y				1.97	0.232	ng/l
MW-209D (48-58)	L2038034-01	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/15/2020		Y	N	U		U	1.97	0.322	ng/l
MW-209D (48-58)	L2038034-01	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/15/2020		Y	N	U		U	1.97	0.638	ng/l
MW-209D (48-58)	L2038034-01	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/15/2020		Y	N	U	UJ	UJ	1.97	0.571	ng/l
MW-209D (48-58)	L2038034-01	PERFLUORODODECANOIC ACID (PFDOA)	9/15/2020		Y	N	U		U	1.97	0.366	ng/l
MW-209D (48-58)	L2038034-01	PERFLUORODECANESULFONIC ACID (PFDS)	9/15/2020		Y	N	U		U	1.97	0.965	ng/l
MW-209D (48-58)	L2038034-01	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/15/2020		Y	N	U		U	1.97	0.791	ng/l
MW-209D (48-58)	L2038034-01	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/15/2020	13.8	Y	Y	F			1.97	1.31	ng/l
MW-209D (48-58)	L2038034-01	PERFLUORODECANOIC ACID (PFDA)	9/15/2020	1	Y	Y	J		J	1.97	0.299	ng/l
MW-209D (48-58)	L2038034-01	PERFLUOROPENTANOIC ACID (PFPEA)	9/15/2020	16	Y	Y				1.97	0.39	ng/l

SDG: L2038034

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-209D (48-58)	L2038034-01	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/15/2020	193	Y	Y	F			1.97	0.496	ng/l
MW-209D (48-58)	L2038034-01	PERFLUOROUNDECANOIC ACID (PFUNA)	9/15/2020		Y	N	U		U	1.97	0.256	ng/l
MW-209D (48-58)	L2038034-01	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/15/2020		Y	N	U		U	1.97	1.19	ng/l
MW-209S (62.5-67.5)	L2038034-02	PERFLUOROBUTANOIC ACID (PFBA)	9/16/2020	10.6	Y	Y				1.81	0.369	ng/l
MW-209S (62.5-67.5)	L2038034-02	PERFLUOROTETRADECANOIC ACID (PFTA)	9/16/2020		Y	N	U		U	1.81	0.224	ng/l
MW-209S (62.5-67.5)	L2038034-02	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/16/2020		Y	N	U	UJ	UJ	1.81	0.524	ng/l
MW-209S (62.5-67.5)	L2038034-02	PERFLUORODODECANOIC ACID (PFDOA)	9/16/2020		Y	N	U		U	1.81	0.336	ng/l
MW-209S (62.5-67.5)	L2038034-02	PERFLUORODECANESULFONIC ACID (PFDS)	9/16/2020		Y	N	U		U	1.81	0.886	ng/l
MW-209S (62.5-67.5)	L2038034-02	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/16/2020		Y	N	U		U	1.81	0.586	ng/l
MW-209S (62.5-67.5)	L2038034-02	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/16/2020		Y	N	U		U	1.81	0.727	ng/l
MW-209S (62.5-67.5)	L2038034-02	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/16/2020		Y	N	U		U	1.81	0.296	ng/l
MW-209S (62.5-67.5)	L2038034-02	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/16/2020	49.8	Y	Y				1.81	0.215	ng/l
MW-209S (62.5-67.5)	L2038034-02	PERFLUORONONANOIC ACID (PFNA)	9/16/2020	2.82	Y	Y				1.81	0.282	ng/l
MW-209S (62.5-67.5)	L2038034-02	PERFLUOROHEXANOIC ACID (PFHXA)	9/16/2020	13	Y	Y				1.81	0.296	ng/l
MW-209S (62.5-67.5)	L2038034-02	PERFLUORODECANOIC ACID (PFDA)	9/16/2020	1.11	Y	Y	J		J	1.81	0.275	ng/l
MW-209S (62.5-67.5)	L2038034-02	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/16/2020	1.36	Y	Y	JF		J	1.81	1.2	ng/l
MW-209S (62.5-67.5)	L2038034-02	PERFLUOROHEPTANOIC ACID (PFHPA)	9/16/2020	10.7	Y	Y				1.81	0.204	ng/l
MW-209S (62.5-67.5)	L2038034-02	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/16/2020	11	Y	Y				1.81	0.622	ng/l
MW-209S (62.5-67.5)	L2038034-02	PERFLUOROPENTANOIC ACID (PFPEA)	9/16/2020	14.8	Y	Y				1.81	0.358	ng/l

SDG: L2038034

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-209S (62.5-67.5)	L2038034-02	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/16/2020		Y	N	U		U	1.81	1.1	ng/l
MW-209S (62.5-67.5)	L2038034-02	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/16/2020	9.41	Y	Y	F			1.81	0.34	ng/l
MW-209S (62.5-67.5)	L2038034-02	PERFLUOROUNDECANOIC ACID (PFUNA)	9/16/2020		Y	N	U		U	1.81	0.235	ng/l
MW-209S (62.5-67.5)	L2038034-02	PERFLUOROOCTANOIC ACID (PFOA)	9/16/2020	47.4	Y	Y				1.81	0.213	ng/l
MW-209S (62.5-67.5)	L2038034-02	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/17/2020	383	Y	Y	F			9.04	2.28	ng/l

Analytical Method SW6020B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-209D (48-58)	L2038034-01	THALLIUM, TOTAL	9/15/2020		Y	N	J	U	U	1	0.143	ug/l
MW-209D (48-58)	L2038034-01	ZINC, TOTAL	9/15/2020	4.976	Y	Y	J		J	10	3.41	ug/l
MW-209D (48-58)	L2038034-01	VANADIUM, TOTAL	9/15/2020		Y	N	U		U	5	1.57	ug/l
MW-209D (48-58)	L2038034-01	NICKEL, TOTAL	9/15/2020	8.435	Y	Y				2	0.556	ug/l
MW-209D (48-58)	L2038034-01	SELENIUM, TOTAL	9/15/2020		Y	N	U		U	5	1.73	ug/l
MW-209D (48-58)	L2038034-01	SILVER, TOTAL	9/15/2020		Y	N	U		U	0.4	0.163	ug/l
MW-209D (48-58)	L2038034-01	BERYLLIUM, TOTAL	9/15/2020		Y	N	U		U	0.5	0.107	ug/l
MW-209D (48-58)	L2038034-01	CADMIUM, TOTAL	9/15/2020		Y	N	U		U	0.2	0.0599	ug/l
MW-209D (48-58)	L2038034-01	ARSENIC, TOTAL	9/15/2020	0.242	Y	Y	J		J	0.5	0.165	ug/l
MW-209D (48-58)	L2038034-01	BARIUM, TOTAL	9/15/2020	130.4	Y	Y				0.5	0.173	ug/l
MW-209D (48-58)	L2038034-01	MANGANESE, TOTAL	9/15/2020	2634	Y	Y				1	0.44	ug/l
MW-209D (48-58)	L2038034-01	MAGNESIUM, TOTAL	9/15/2020	75100	Y	Y				70	24.2	ug/l
MW-209D (48-58)	L2038034-01	IRON, TOTAL	9/15/2020	28400	Y	Y				50	19.1	ug/l
MW-209D (48-58)	L2038034-01	COBALT, TOTAL	9/15/2020	3.75	Y	Y				0.5	0.163	ug/l
MW-209D (48-58)	L2038034-01	ANTIMONY, TOTAL	9/15/2020	0.4662	Y	Y	J		J	4	0.429	ug/l
MW-209D (48-58)	L2038034-01	CALCIUM, TOTAL	9/15/2020	110000	Y	Y				100	39.4	ug/l

SDG: L2038034

Analytical Method SW6020B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-209D (48-58)	L2038034-01	ALUMINUM, TOTAL	9/15/2020	106	Y	Y				10	3.27	ug/l
MW-209D (48-58)	L2038034-01	POTASSIUM, TOTAL	9/15/2020	24800	Y	Y				100	30.9	ug/l
MW-209D (48-58)	L2038034-01	SODIUM, TOTAL	9/15/2020	135000	Y	Y				100	29.3	ug/l
MW-209D (48-58)	L2038034-01	COPPER, TOTAL	9/15/2020	0.8996	Y	Y	J		J	1	0.384	ug/l
MW-209D (48-58)	L2038034-01	LEAD, TOTAL	9/15/2020		Y	N	U		U	1	0.343	ug/l
MW-209D (48-58)	L2038034-01	CHROMIUM, TOTAL	9/15/2020	3.219	Y	Y				1	0.178	ug/l
MW-209S (62.5-67.5)	L2038034-02	LEAD, TOTAL	9/15/2020		Y	N	U		U	1	0.343	ug/l
MW-209S (62.5-67.5)	L2038034-02	IRON, TOTAL	9/15/2020	10300	Y	Y				50	19.1	ug/l
MW-209S (62.5-67.5)	L2038034-02	ALUMINUM, TOTAL	9/15/2020	212	Y	Y				10	3.27	ug/l
MW-209S (62.5-67.5)	L2038034-02	COBALT, TOTAL	9/15/2020	3.119	Y	Y				0.5	0.163	ug/l
MW-209S (62.5-67.5)	L2038034-02	CHROMIUM, TOTAL	9/15/2020	5.183	Y	Y				1	0.178	ug/l
MW-209S (62.5-67.5)	L2038034-02	CALCIUM, TOTAL	9/15/2020	78500	Y	Y				100	39.4	ug/l
MW-209S (62.5-67.5)	L2038034-02	BARIUM, TOTAL	9/15/2020	105.5	Y	Y				0.5	0.173	ug/l
MW-209S (62.5-67.5)	L2038034-02	SODIUM, TOTAL	9/15/2020	210000	Y	Y				100	29.3	ug/l
MW-209S (62.5-67.5)	L2038034-02	ANTIMONY, TOTAL	9/15/2020		Y	N	U		U	4	0.429	ug/l
MW-209S (62.5-67.5)	L2038034-02	CADMIUM, TOTAL	9/15/2020		Y	N	U		U	0.2	0.0599	ug/l
MW-209S (62.5-67.5)	L2038034-02	SELENIUM, TOTAL	9/15/2020		Y	N	U		U	5	1.73	ug/l
MW-209S (62.5-67.5)	L2038034-02	SILVER, TOTAL	9/15/2020		Y	N	U		U	0.4	0.163	ug/l
MW-209S (62.5-67.5)	L2038034-02	VANADIUM, TOTAL	9/15/2020		Y	N	U		U	5	1.57	ug/l
MW-209S (62.5-67.5)	L2038034-02	BERYLLIUM, TOTAL	9/15/2020		Y	N	U		U	0.5	0.107	ug/l
MW-209S (62.5-67.5)	L2038034-02	MANGANESE, TOTAL	9/15/2020	1979	Y	Y				1	0.44	ug/l
MW-209S (62.5-67.5)	L2038034-02	ARSENIC, TOTAL	9/15/2020	0.4474	Y	Y	J		J	0.5	0.165	ug/l
MW-209S (62.5-67.5)	L2038034-02	POTASSIUM, TOTAL	9/15/2020	32100	Y	Y				100	30.9	ug/l
MW-209S (62.5-67.5)	L2038034-02	THALLIUM, TOTAL	9/15/2020		Y	N	J	U	U	1	0.143	ug/l
MW-209S (62.5-67.5)	L2038034-02	COPPER, TOTAL	9/15/2020	0.8087	Y	Y	J		J	1	0.384	ug/l

SDG: L2038034

Analytical Method	SW6020B										
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
MW-209S (62.5-67.5)	L2038034-02	ZINC, TOTAL	9/15/2020		Y	N	U		U	10	3.41	ug/l
MW-209S (62.5-67.5)	L2038034-02	MAGNESIUM, TOTAL	9/15/2020	38000	Y	Y				70	24.2	ug/l
MW-209S (62.5-67.5)	L2038034-02	NICKEL, TOTAL	9/15/2020	5.748	Y	Y				2	0.556	ug/l
Analytical Method	SW7470A										
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
MW-209D (48-58)	L2038034-01	MERCURY, TOTAL	9/15/2020		Y	N	J	U	U	0.2	0.0915	ug/l
MW-209S (62.5-67.5)	L2038034-02	MERCURY, TOTAL	9/15/2020		Y	N	J	U	U	0.2	0.0915	ug/l
Analytical Method	SW8260C										
Sample ID	**Lab Sample ID**	**Chemical Name**	**Anal Date**	**Result**	**Validated**	**Detect**	**Lab Qual**	**Val Qual**	**Final qual**	**RL**	**MDL**	**Units**
MW-209D (48-58)	L2038034-01	BROMOFORM	9/15/2020		Y	N	U		U	10	3.2	ug/l
MW-209D (48-58)	L2038034-01	BROMODICHLOROMETHANE	9/15/2020		Y	N	U		U	2.5	0.96	ug/l
MW-209D (48-58)	L2038034-01	ISOPROPYLBENZENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	METHYL TERT BUTYL ETHER	9/15/2020		Y	N	U	UJ	UJ	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	BROMOMETHANE	9/15/2020		Y	N	U	UJ	UJ	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	NAPHTHALENE	9/15/2020		Y	N	U	UJ	UJ	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	METHYLENE CHLORIDE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	CARBON DISULFIDE	9/15/2020		Y	N	U		U	25	5	ug/l
MW-209D (48-58)	L2038034-01	ETHYLBENZENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	1,1,1,2-TETRACHLOROETHANE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	CARBON TETRACHLORIDE	9/15/2020		Y	N	U		U	2.5	0.67	ug/l
MW-209D (48-58)	L2038034-01	CHLOROBENZENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	CHLOROETHANE	9/15/2020		Y	N	U	UJ	UJ	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	CHLOROFORM	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	CHLOROMETHANE	9/15/2020		Y	N	U		U	12	3.5	ug/l

SDG: L2038034

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-209D (48-58)	L2038034-01	DIBROMOCHLOROMETHANE	9/15/2020		Y	N	U		U	2.5	0.74	ug/l
MW-209D (48-58)	L2038034-01	DIBROMOMETHANE	9/15/2020		Y	N	U		U	25	5	ug/l
MW-209D (48-58)	L2038034-01	DICHLORODIFLUOROMETHANE	9/15/2020		Y	N	U	UJ	UJ	25	5	ug/l
MW-209D (48-58)	L2038034-01	ETHYL ETHER	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	HEXACHLOROBUTADIENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	4-ETHYLTOLUENE	9/15/2020		Y	N	U		U	10	3.5	ug/l
MW-209D (48-58)	L2038034-01	1,2,4-TRIMETHYLBENZENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	1,2,4-TRICHLOROBENZENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	1,2,4,5-TETRAMETHYLBENZENE	9/15/2020		Y	N	U		U	10	2.7	ug/l
MW-209D (48-58)	L2038034-01	1,2,3-TRICHLOROPROPANE	9/15/2020		Y	N	U	UJ	UJ	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	1,2,3-TRICHLOROBENZENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	1,1-DICHLOROPROPENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	1,1,2-TRICHLOROETHANE	9/15/2020		Y	N	U		U	7.5	2.5	ug/l
MW-209D (48-58)	L2038034-01	1,1,2,2-TETRACHLOROETHANE	9/15/2020		Y	N	U		U	2.5	0.84	ug/l
MW-209D (48-58)	L2038034-01	1,2-DICHLOROBENZENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	FURAN, TETRAHYDRO-	9/15/2020	200	Y	Y	NJ		J			
MW-209D (48-58)	L2038034-01	P/M-XYLENE	9/15/2020	7.6	Y	Y	J		J	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	XYLENE (TOTAL)	9/15/2020	7.6	Y	Y	J		J	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	TOTAL TIC COMPOUNDS	9/15/2020	200	Y	Y	J		J			
MW-209D (48-58)	L2038034-01	TETRACHLOROETHENE	9/15/2020	1.4	Y	Y	J		J	2.5	0.9	ug/l
MW-209D (48-58)	L2038034-01	1,1-DICHLOROETHANE	9/15/2020	8.8	Y	Y	J		J	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	STYRENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	1,3-DICHLOROPROPENE, TOTAL	9/15/2020		Y	N	U		U	2.5	0.72	ug/l
MW-209D (48-58)	L2038034-01	BROMOBENZENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	BENZENE	9/15/2020		Y	N	U		U	2.5	0.8	ug/l

SDG: L2038034

Analytical Method	SW8260C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-209D (48-58)	L2038034-01	ACRYLONITRILE	9/15/2020		Y	N	U	UJ	UJ	25	7.5	ug/l
MW-209D (48-58)	L2038034-01	4-METHYL-2-PENTANONE	9/15/2020		Y	N	U	UJ	UJ	25	5	ug/l
MW-209D (48-58)	L2038034-01	2-HEXANONE	9/15/2020		Y	N	U	UJ	UJ	25	5	ug/l
MW-209D (48-58)	L2038034-01	2,2-DICHLOROPROPANE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	1,2-DIBROMO-3-CHLOROPROPANE	9/15/2020		Y	N	U	UJ	UJ	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	1,4-DICHLOROBENZENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	1,2-DIBROMOETHANE	9/15/2020		Y	N	U	UJ	UJ	10	3.2	ug/l
MW-209D (48-58)	L2038034-01	1,3-DICHLOROPROPANE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	1,3-DICHLOROBENZENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	1,3,5-TRIMETHYLBENZENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	1,2-DICHLOROPROPANE	9/15/2020		Y	N	U		U	5	0.68	ug/l
MW-209D (48-58)	L2038034-01	1,2-DICHLOROETHENE (TOTAL)	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	1,2-DICHLOROETHANE	9/15/2020		Y	N	U		U	2.5	0.66	ug/l
MW-209D (48-58)	L2038034-01	BROMOCHLOROMETHANE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	1,4-DIOXANE	9/15/2020		Y	N	U	UJ	UJ	1200	300	ug/l
MW-209D (48-58)	L2038034-01	2-BUTANONE	9/15/2020	350	Y	Y				25	9.7	ug/l
MW-209D (48-58)	L2038034-01	TOLUENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	P-CHLOROTOLUENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	1,1-DICHLOROETHENE	9/15/2020	53	Y	Y				2.5	0.84	ug/l
MW-209D (48-58)	L2038034-01	ACETONE	9/15/2020	390	Y	Y		J	J	25	7.3	ug/l
MW-209D (48-58)	L2038034-01	TRICHLOROETHENE	9/15/2020	700	Y	Y				2.5	0.88	ug/l
MW-209D (48-58)	L2038034-01	TRANS-1,4-DICHLORO-2-BUTENE	9/15/2020		Y	N	U	UJ	UJ	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	TRANS-1,3-DICHLOROPROPENE	9/15/2020		Y	N	U		U	2.5	0.82	ug/l
MW-209D (48-58)	L2038034-01	TRANS-1,2-DICHLOROETHENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	TERT-BUTYLBENZENE	9/15/2020		Y	N	U		U	12	3.5	ug/l

SDG: L2038034

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-209D (48-58)	L2038034-01	SEC-BUTYLBENZENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	VINYL CHLORIDE	9/15/2020		Y	N	U		U	5	0.36	ug/l
MW-209D (48-58)	L2038034-01	1,4-DIETHYLBENZENE	9/15/2020		Y	N	U		U	10	3.5	ug/l
MW-209D (48-58)	L2038034-01	O-XYLENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	O-CHLOROTOLUENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	N-PROPYLBENZENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	N-BUTYLBENZENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	CIS-1,3-DICHLOROPROPENE	9/15/2020		Y	N	U		U	2.5	0.72	ug/l
MW-209D (48-58)	L2038034-01	CIS-1,2-DICHLOROETHENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	VINYL ACETATE	9/15/2020		Y	N	U	UJ	UJ	25	5	ug/l
MW-209D (48-58)	L2038034-01	TRICHLOROFLUOROMETHANE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209D (48-58)	L2038034-01	1,1,1-TRICHLOROETHANE	9/15/2020	28	Y	Y				12	3.5	ug/l
MW-209D (48-58)	L2038034-01	P-ISOPROPYLTOLUENE	9/15/2020		Y	N	U		U	12	3.5	ug/l
MW-209S (62.5-67.5)	L2038034-02	ETHYL ETHER	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	DICHLORODIFLUOROMETHANE	9/15/2020		Y	N	U	UJ	UJ	100	20	ug/l
MW-209S (62.5-67.5)	L2038034-02	DIBROMOMETHANE	9/15/2020		Y	N	U		U	100	20	ug/l
MW-209S (62.5-67.5)	L2038034-02	DIBROMOCHLOROMETHANE	9/15/2020		Y	N	U		U	10	3	ug/l
MW-209S (62.5-67.5)	L2038034-02	CHLOROFORM	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	N-BUTYLBENZENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	CHLOROETHANE	9/15/2020		Y	N	U	UJ	UJ	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	CHLOROMETHANE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,4-DIETHYLBENZENE	9/15/2020		Y	N	U		U	40	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	P-CHLOROTOLUENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	O-XYLENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	N-PROPYLBENZENE	9/15/2020		Y	N	U		U	50	14	ug/l

SDG: L2038034

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-209S (62.5-67.5)	L2038034-02	CIS-1,3-DICHLOROPROPENE	9/15/2020		Y	N	U		U	10	2.9	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,1-DICHLOROETHANE	9/15/2020	14	Y	Y	J		J	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	CHLOROBENZENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	P-ISOPROPYLTOLUENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	O-CHLOROTOLUENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	ACRYLONITRILE	9/15/2020		Y	N	U	UJ	UJ	100	30	ug/l
MW-209S (62.5-67.5)	L2038034-02	TRANS-1,4-DICHLORO-2-BUTENE	9/15/2020		Y	N	U	UJ	UJ	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	TRANS-1,3-DICHLOROPROPENE	9/15/2020		Y	N	U		U	10	3.3	ug/l
MW-209S (62.5-67.5)	L2038034-02	TRANS-1,2-DICHLOROETHENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	TERT-BUTYLBENZENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	SEC-BUTYLBENZENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	P/M-XYLENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	NAPHTHALENE	9/15/2020		Y	N	U	UJ	UJ	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	4-METHYL-2-PENTANONE	9/15/2020		Y	N	U	UJ	UJ	100	20	ug/l
MW-209S (62.5-67.5)	L2038034-02	2-BUTANONE	9/15/2020	43	Y	Y	J		J	100	39	ug/l
MW-209S (62.5-67.5)	L2038034-02	CARBON TETRACHLORIDE	9/15/2020		Y	N	U		U	10	2.7	ug/l
MW-209S (62.5-67.5)	L2038034-02	BENZENE	9/15/2020		Y	N	U		U	10	3.2	ug/l
MW-209S (62.5-67.5)	L2038034-02	BROMOBENZENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	BROMOCHLOROMETHANE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	BROMODICHLOROMETHANE	9/15/2020		Y	N	U		U	10	3.8	ug/l
MW-209S (62.5-67.5)	L2038034-02	BROMOFORM	9/15/2020		Y	N	U		U	40	13	ug/l
MW-209S (62.5-67.5)	L2038034-02	BROMOMETHANE	9/15/2020		Y	N	U	UJ	UJ	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	CARBON DISULFIDE	9/15/2020		Y	N	U		U	100	20	ug/l
MW-209S (62.5-67.5)	L2038034-02	4-ETHYLTOLUENE	9/15/2020		Y	N	U		U	40	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,2,3-TRICHLOROPROPANE	9/15/2020		Y	N	U	UJ	UJ	50	14	ug/l

SDG: L2038034

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-209S (62.5-67.5)	L2038034-02	1,2-DICHLOROPROPANE	9/15/2020		Y	N	U		U	20	2.7	ug/l
MW-209S (62.5-67.5)	L2038034-02	TETRACHLOROETHENE	9/15/2020		Y	N	U		U	10	3.6	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,2-DICHLOROETHANE	9/15/2020		Y	N	U		U	10	2.6	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,2-DICHLOROBENZENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,2-DIBROMOETHANE	9/15/2020		Y	N	U	UJ	UJ	40	13	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,2-DIBROMO-3-CHLOROPROPANE	9/15/2020		Y	N	U	UJ	UJ	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,2,4-TRIMETHYLBENZENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	ACETONE	9/15/2020	30	Y	Y	J	J	J	100	29	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,2,4,5-TETRAMETHYLBENZENE	9/15/2020		Y	N	U		U	40	11	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,3,5-TRIMETHYLBENZENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,2,3-TRICHLOROBENZENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,1-DICHLOROPROPENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,1,2-TRICHLOROETHANE	9/15/2020		Y	N	U		U	30	10	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,1,2,2-TETRACHLOROETHANE	9/15/2020		Y	N	U		U	10	3.3	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,1,1,2-TETRACHLOROETHANE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,1,1-TRICHLOROETHANE	9/15/2020	440	Y	Y				50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,1-DICHLOROETHENE	9/15/2020	96	Y	Y				10	3.4	ug/l
MW-209S (62.5-67.5)	L2038034-02	TRICHLOROETHENE	9/15/2020	2300	Y	Y				10	3.5	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,2,4-TRICHLOROBENZENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	METHYL TERT BUTYL ETHER	9/15/2020		Y	N	U	UJ	UJ	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	CIS-1,2-DICHLOROETHENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	XYLENE (TOTAL)	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	VINYL CHLORIDE	9/15/2020		Y	N	U		U	20	1.4	ug/l
MW-209S (62.5-67.5)	L2038034-02	VINYL ACETATE	9/15/2020		Y	N	U	UJ	UJ	100	20	ug/l
MW-209S (62.5-67.5)	L2038034-02	TRICHLOROFLUOROMETHANE	9/15/2020		Y	N	U		U	50	14	ug/l

SDG: L2038034

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-209S (62.5-67.5)	L2038034-02	TOLUENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,2-DICHLOROETHENE (TOTAL)	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	METHYLENE CHLORIDE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,3-DICHLOROBENZENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	ISOPROPYLBENZENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	HEXACHLOROBUTADIENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	ETHYLBENZENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	2-HEXANONE	9/15/2020		Y	N	U	UJ	UJ	100	20	ug/l
MW-209S (62.5-67.5)	L2038034-02	2,2-DICHLOROPROPANE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,4-DIOXANE	9/15/2020		Y	N	U	UJ	UJ	5000	1200	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,4-DICHLOROBENZENE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,3-DICHLOROPROPENE, TOTAL	9/15/2020		Y	N	U		U	10	2.9	ug/l
MW-209S (62.5-67.5)	L2038034-02	1,3-DICHLOROPROPANE	9/15/2020		Y	N	U		U	50	14	ug/l
MW-209S (62.5-67.5)	L2038034-02	STYRENE	9/15/2020		Y	N	U		U	50	14	ug/l

Analytical Method SW8270DSIM

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-209D (48-58)	L2038034-01	1,4-DIOXANE	9/15/2020	81100	Y	Y				139	31.4	ng/l
MW-209S (62.5-67.5)	L2038034-02	1,4-DIOXANE	9/16/2020	296000	Y	Y				556	126	ng/l

Site: 33 Centre Avenue
Laboratory: Alpha Analytical, Inc.
Report No.: L2038499
Reviewer: Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date: October 22, 2020

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-204	L2038499-01	VOC, 1,4-Dioxane, PFAS
MW-207D	L2038499-02	VOC, 1,4-Dioxane, PFAS
MW-207DDL	L2038499-02DL	PFAS
MW-207S	L2038499-03	VOC, 1,4-Dioxane, PFAS
MW-210D	L2038499-04	VOC, 1,4-Dioxane, PFAS
MW-210DDL	L2038499-04DL	VOC, PFAS
MW-210I	L2038499-05	VOC, 1,4-Dioxane, PFAS
MW-210IDL	L2038499-05DL	VOC, PFAS
MW-210S	L2038499-06	VOC, 1,4-Dioxane, PFAS
MW-210SDL	L2038499-06DL	VOC, PFAS

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed water samples were collected on September 15, 2020 and were analyzed for volatile organic compounds (VOC) by SW-846 method 8260C, 1,4-dioxane by SW-846 method 8270D in selected ion monitoring (SIM) mode, and perfluoroalkyl and polyfluoroalkyl substances (PFAS) by method 537 modified. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C,* SOP HW-24, Revision 4 (October 2014), the USEPA Region 2 *Standard Operating Procedure for Semivolatile Data Validation SW-846 Method 8270D,* SOP HW-35A, Revision 0 (June 2015), the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-2017-002 (January 2017), and the USEPA Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFAS) Analyzed Using EPA Method 537 (November 2018), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Liquid Chromatography/Mass Spectrometry (LC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards/Labeled Compounds
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers with the exception listed below.

Sample MW-207D was diluted for perfluorooctanesulfonic acid due to original analysis exceeding the calibration range. For the perfluorooctanesulfonic acid result in sample MW-207DDL, the diluted result should be considered the most usable. The MW-207D result should not be considered usable for perfluorooctanesulfonic acid.

Samples MW-210D and MW-210I were diluted for 1,1,1-trichloroethane and perfluorooctanesulfonic acid due to original analysis exceeding the calibration range. For the 1,1,1-trichloroethane and perfluorooctanesulfonic acid results in samples MW-210DDL and MW-210IDL, the diluted results should be considered the most usable. The MW-210D and MW-210I results should not be considered usable for 1,1,1-trichloroethane and perfluorooctanesulfonic acid.

Sample MW-210S was diluted for trichloroethene and perfluorooctanesulfonic acid due to original analysis exceeding the calibration range. For the trichloroethene and perfluorooctanesulfonic acid results in sample MW-210SDL, the diluted results should be considered the most usable. The MW-210S results should not be considered usable for trichloroethene and perfluorooctanesulfonic acid.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

VOC and 1,4-Dioxane

All criteria were met.

LC/MS Tunes

PFAS

All criteria were met.

Initial and Continuing Calibrations

VOC

Initial calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
08/07/22	ICAL-VOA108	1,4-Dioxane	0.00219 (≥0.005)	MW-204 MW-207D MW-207S	+	UJ nondetects
09/11/20	ICAL-VOA122	1,4-Dioxane	0.00147 (≥0.005)	MW-210D MW-210I MW-210S	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane results were estimated due to response factor exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
08/08/20	ICV-VOA108	Dichlorodifluoromethane	55.7	MW-210D MW-210I MW-210S	XX	UJ nondetects

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
09/12/20	ICV-VOA122	Carbon disulfide	38.6	MW-204 MW-207D MW-207S	XX	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The dichlorodifluoromethane and carbon disulfide results for the samples listed above were estimated due to continuing calibration exceedance. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
09/16/20	CCV-VOA122	Bromomethane	27	MW-204	XX	J detects/UJ nondetects
		2,2-Dichloropropane	31	MW-207D MW-207S	XX	J detects/UJ nondetects
09/16/20	CCV-VOA108	Dichlorodifluoromethane	59.3	MW-210D	XX	J detects/UJ nondetects
		Chloromethane	23.2	MW-210I	XX	J detects/UJ nondetects
		Bromomethane	25.8	MW-210S	XX	J detects/UJ nondetects
		Chloroethane	53.9		XX	J detects/UJ nondetects
		Trichlorofluoromethane	34.7		XX	J detects/UJ nondetects
		Vinyl acetate	22.5		XX	J detects/UJ nondetects
		4-Methyl-2-pentanone	20.1		XX	J detects/UJ nondetects
		2-Hexanone	25.4		XX	J detects/UJ nondetects

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
09/16/20	CCV-VOA122	1,4-Dioxane	0.00122 (≥0.005)	MW-204 MW-207D MW-207S	+	UJ nondetects
09/16/20	CCV-VOA108	1,4-Dioxane	0.00185 (≥0.005)	MW-210D MW-210I MW-210S	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The bromomethane, 2,2-dichloropropane, dichlorodifluoromethane, chloromethane, chloroethane, trichlorofluoromethane, vinyl acetate, 4-methyl-2-pentanone, and 2-hexanone results were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The 1,4-dioxane results were estimated due to response factor exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

1,4-Dioxane and PFAS

All criteria were met.

Blanks

Contamination was detected in the associated VOC method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Blank ID	Compound TIC (RT in minutes)	Level Detected	Action Level	Associated Samples
WG1410624-5Blank	Unknown (2.11)	2.65 ug/L	RL	MW-204 MW-207D MW-207S

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

Qualified sample results are listed in the table below.

Sample ID	Compound TIC (RT in minutes)	Level Detected	Validation Action
MW-204	Unknown (2.10)	1.94 ug/L	1.94U ug/L

This result can be used for project objectives as a nondetect (U) which may have a minor impact on the data usability.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

VOC and 1,4-Dioxane

All criteria were met.

MS/MSD Results

MS/MSD analyses were not associated with this sample set. Validation action was not required on this basis.

LCS Results

VOC

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the VOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
WG1410618-3/4	Chloroethane	150 (55-138)	-	MW-210D	None
	Dichlorodifluoromethane	160 (36-147)	150 (36-147)	MW-210I	None
				MW-210S	
WG1410624-3/4	Bromomethane	-	140 (39-139)	MW-204	None
				MW-207D	
				MW-207S	

- Within control limits

Validation action was not required for chloroethane, dichlorodifluoromethane, and bromomethane due to high LCS/LCSD percent recoveries as positive results only are affected and these compounds were not detected in the associated samples.

1,4-Dioxane and PFAS

All criteria were met.

Internal Standards/Labeled Compounds

VOC and 1,4-Dioxane

All criteria were met.

PFAS

The following table lists the labeled compound percent recoveries outside of control limits in the PFAS analysis and the resulting validation actions.

Sample	Labeled Compound	%R (Limits)	Affected Compounds	Validation actions
MW-204	M2-6:2FTS	237 (25-150)	1H,1H,2H,2H-Perfluorooctanesulfonic acid	J detects/UJ nondetects
	M8-FOSA	25 (50-150)	Perfluorooctanesulfonamide	J detects/UJ nondetects
MW-207D	M2-6:2FTS	188 (25-150)	1H,1H,2H,2H-Perfluorooctanesulfonic acid	J detects/UJ nondetects
	M2-8:2FTS	152 (25-150)	1H,1H,2H,2H-Perfluoroodecanesulfonic acid	J detects/UJ nondetects
	M8-FOSA	27 (50-150)	Perfluorooctanesulfonamide	J detects/UJ nondetects
MW-207S	M2-6:2FTS	168 (25-150)	1H,1H,2H,2H-Perfluorooctanesulfonic acid	J detects
	M8-FOSA	19 (50-150)	Perfluorooctanesulfonamide	J detects
MW-210D	M2-6:2FTS	194 (25-150)	1H,1H,2H,2H-Perfluorooctanesulfonic acid	J detects/UJ nondetects
	M8-FOSA	21 (50-150)	Perfluorooctanesulfonamide	J detects/UJ nondetects
MW-210I	M2-6:2FTS	174 (25-150)	1H,1H,2H,2H-Perfluorooctanesulfonic acid	UJ nondetects
	M8-FOSA	19 (50-150)	Perfluorooctanesulfonamide	UJ nondetects
MW-210S	M2-6:2FTS	324 (25-150)	1H,1H,2H,2H-Perfluorooctanesulfonic acid	J detects/UJ nondetects
	M2-8:2FTS	260 (25-150)	1H,1H,2H,2H-Perfluoroodecanesulfonic acid	J detects/UJ nondetects
	M8-FOSA	36 (50-150)	Perfluorooctanesulfonamide	

The 1H,1H,2H,2H-perfluorooctanesulfonic acid, perfluorooctanesulfonamide, and 1H,1H,2H,2H-Perfluoroodecanesulfonic acid results for the samples listed above were estimated due to labeled compound percent recovery exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC and PFAS analyses. These results were qualified as estimated (J) by the laboratory.

No results were reported below the RL and above the MDL in the 1,4-dioxane analysis.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	VOC Analysis Reported
MW-207D	200-fold dilution due to sample matrix
MW-207S	1000-fold dilution due to sample matrix
MW-210D	50-fold dilution due to sample matrix
MW-210DDL	200-fold dilution due to high compound levels
MW-210I	20-fold dilution due to sample matrix
MW-210IDL	100-fold dilution due to high compound levels
MW-210S	5-fold dilution due to sample matrix

Sample	VOC Analysis Reported
MW-210IDL	100-fold dilution due to high compound levels
MW-210S	5-fold dilution due to sample matrix
MW-210SDL	20-fold dilution due to high compound levels

Sample	1,4-Dioxane Analysis Reported
MW-210I MW-210S	2-fold dilution due to sample matrix

Sample	PFAS Analysis Reported
MW-207DDL	5.6-fold dilution due to high compound levels
MW-210DDL	5.5-fold dilution due to high compound levels
MW-210IDL	5.2-fold dilution due to high compound levels
MW-210SDL	4.4-fold dilution due to high compound levels

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

The following table lists target compound identifications that did not meet validation criteria and the resulting validating actions.

Sample	Compound	Finding	Validation Actions
MW-204 MW-207D MW-210D MW-210S	n-Ethylperfluorooctanesulfonamidoacetic acid	Ion ratio was not reported	J detects

The n-ethylperfluorooctanesulfonamidoacetic acid results were estimated due to the ion ratios not reported. The bias cannot be determined. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 49292D1a **VALIDATION COMPLETENESS WORKSHEET** Date: 10/20/20
SDG #: L2038499 Category B Page: 1 of 1
Laboratory: Alpha Analytical, Inc. Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	SW SW	%RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	SW	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	MS
IX.	Laboratory control samples	SW	LCS/D
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Results < RL > MDL = J,UT
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	SW	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

		Client ID		Lab ID	Matrix	Date
1	2	MW-204		L2038499-01	Water	09/15/20
2	2	MW-207D	200X	L2038499-02	Water	09/15/20
3	2	MW-207S	1000X	L2038499-03	Water	09/15/20
4	1	MW-210D	50X	L2038499-04	Water	09/15/20
5	1	MW-210DDL	200X	L2038499-04DL	Water	09/15/20
6	1	MW-210I	20X	L2038499-05	Water	09/15/20
7	1	MW-210IDL	100X	L2038499-05DL	Water	09/15/20
8	1	MW-210S	5X	L2038499-06	Water	09/15/20
9	1	MW-210SDL	20X	L2038499-06DL	Water	09/15/20
10						
11						

Notes:

1	8	WG1410618-5 Blank				
	2	WG1410624-5 Blank				

LDC #: 49292 D1a

VALIDATION FINDINGS CHECKLIST

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30%/15% / 20% and relative response factors (RRF) ≥ 0.05?		✓		
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20% / 30%?		✓		
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) ≥ 0.05?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?	✓			
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	

Validation Area				
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data	✓			
Overall assessment of data was found to be acceptable.				

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 49292D1a

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

All available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.
(Y) N N/A Was the overall quality and usability of the data acceptable?

#	Date	Sample ID	Compound	Finding	Qualifications
		4,6	N	x'd cal Rang	NR/A
		8	S	↓	NR/A

Comments: _____

LDC #: 49292D1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?
Y N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?
Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____
Y N N/A Did the initial calibration meet the acceptance criteria?
Y N N/A Were all %RSDs and RRFs within the validation criteria of ≤30/15% 20% RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: ____%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
1	8/7/20	ICAL-VOA108	HHHH		0.00219 (<0.005)	1-3 WG1410624-5Blank	J/UJ/A ND
2	9/1/20	ICAL-VOA122	HHHH		0.00147 (<0.005)	4,6,8, WG1410618-5Blank	J/UJ/A ND

LDC #: 49292D1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was an initial calibration verification standard analyzed after each ICAL for each instrument?

Y N N/A Were all %D within the validation criteria of ≤20 % 30%D?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤ 30%)	Associated Samples	Qualifications
1	8/8/20 1255	ICV-VOA 108	JJ	55.7	4, 6, 8 WG1410618-5 Blank	J/UJ/Δ MD
2	9/12/20 1208	ICV-VOA 122	G	38.6	1→3, WG1410624-5 Blank	J/UJ/Δ MD

LDC #: 49292 D1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
2	9/16/20	CCV-VOA122	B	27		1-3,	J/UV/Δ ND
	0708		~~BB~~	3		WG1410624-5Blank	
			HHHH		0.00122 (≥0.005)	↓	↓
1	9/16/20	CCV-VOA108	JJ	59.3		4,6,8	J/UV/Δ ND
	0742		Δ	23.2		WG1410618-5Blank	
			B	25.8			
			D	53.9			
			KK	34.7			
			HH	22.5			
			Y	20.1			
			Z	25.4			
			HHHH		0.00185 (≥0.005)	↓	↓

LDC #: 49292D1a

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a method blank associated with every sample in this SDG?

Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?

Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 9/16/20 9/16/20

Conc. units: ug/L

Associated Samples: 1-3

Compound	Blank ID	Sample Identification								
	WG141062 4-5 Blank		1							
unknown	2.65 (2.11)		1.94 (2.10)							

Blank analysis date:

Conc. units:

Associated Samples:

Compound	Blank ID	Sample Identification								

All results were qualified using the criteria stated below except those circled.

Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 49292Db

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
1	WG1410618-3/4	D	150 (55-138)	( )	( )	4, 6, 8,	J dtt/P NO
		JJ	160 (36-147)	150 (36-147	( )	WG1410618-5 Blank	↓
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
2	WG1410624-3/4	B	( )	140 (39-139	( )	1 → 3	J dtt/P NO
			( )	( )	( )	WG1410624-5 Blank	
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:
Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 10ug/L std)	Recalculated (RRF 10ug/L std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/7/2020	C (IS 1)	0.345	0.345	0.325	0.325	7.910	7.910
	VOA108		CC (IS 2)	0.919	0.919	0.909	0.909	6.060	6.060
	ICAL17009		BB (IS 3)	0.819	0.819	0.814	0.814	3.760	3.760

LDC #: 49292D1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: ____FT____

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:
Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 10ug/L std)	Recalculated (RRF 10ug/L std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	9/11/2020	N (IS 1)	0.350	0.350	0.333	0.333	16.16	16.16
	VOA122		CC (IS 2)	0.665	0.665	0.651	0.651	10.47	10.47
			BB (IS 3)	0.479	0.479	0.478	0.478	3.10	3.10

LDC #: 49292D9

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 0742 VOA108	9/16/20	C (IS1)	0.325	0.378	0.378	16.3	16.3
			CC (IS2)	0.909	0.908	0.908	0.1	0.1
			BB (IS3)	0.814	0.821	0.821	0.9	0.9
			(IS4)					
			(IS5)					
2	CCV VOA122	9/16/20	N (IS1)	0.333	0.366	0.366	9.9	9.9
			CC (IS2)	0.651	0.685	0.685	5.2	5.2
			BB (IS3)	0.478	0.488	0.488	2.1	2.1
			(IS4)					
			(IS5)					
3			(IS1)					
			(IS2)					
			(IS3)					
			(IS4)					
			(IS5)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292 D1a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	10.0	10.220	~~104~~ 102	102	0
1,2-Dichloroethane-d4	↓	10.398	104	104	↓
Toluene-d8		9.956	100	100	
Bromofluorobenzene		10.699	107	107	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 49292 D1a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA Method 8260 C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: WG1410618-3/4

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	10	10	11	10	110	110	100	100	10	10
Trichloroethene	↓	↓	11	10	110	110	100	↓	10	10
Benzene	↓	↓	10	10	100	100	100	↓	0	0
Toluene	↓	↓	10	9.7	100	100	97	97	3	3
Chlorobenzene	↓	↓	10	10	100	100	100	100	0	0

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292D1a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #2, N:

Conc. = $\frac{(12152327)(10.0)(200)}{(230062)(0.390)}$

0.333

$= 31724.9$ ug/L

200X

#	Sample ID	Compound	Reported Concentration (ug/L)	Calculated Concentration (ug/L)	Qualification
	#2	N	32000	31724.9	

LDC #: 49292D2c
SDG #: L2038499
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 10/19/20
Page: 1 of 1
Reviewer: PT
2nd Reviewer: CA

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	%D RSD ≤ 20 ICV ≤ 30
IV.	Continuing calibration	A	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	CS
IX.	Laboratory control samples	A	LCS ID
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	No Results < RL > MDL
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-204	L2038499-01	Water	09/15/20
2	MW-207D	L2038499-02	Water	09/15/20
3	MW-207S	L2038499-03	Water	09/15/20
4	MW-210D	L2038499-04	Water	09/15/20
5	MW-210I 2X	L2038499-05	Water	09/15/20
6	MW-210S 2X	L2038499-06	Water	09/15/20
7				
8				
9				

Notes:

	WG1410444 - 1Blank						

LDC #: 49292D2c

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: Semivolatiles (EPA SW 846 Method 8270 D)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 15/30% or 20% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?			✓	
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20% or 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?	✓			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓	✓		
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any percent recoveries (%R) was less than 10%, was a reanalysis performed to confirm %R ?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	CC. Dimethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	GGGG. C30-Hopane	I1. Methyl methanesulfonate
B. Bis (2-chloroethyl) ether	DD. Acenaphthylene	FFF. Di-n-octylphthalate	HHHH. 1-Methylphenanthrene	J1. Ethyl methanesulfonate
C. 2-Chlorophenol	EE. 2,6-Dinitrotoluene	GGG. Benzo(b)fluoranthene	IIII. 1,4-Dioxane	K1. o,o',o''-Triethylphosphorothioate
D. 1,3-Dichlorobenzene	FF. 3-Nitroaniline	HHH. Benzo(k)fluoranthene	JJJJ. Acetophenone	L1. n-Phenylene diamine
E. 1,4-Dichlorobenzene	GG. Acenaphthene	III. Benzo(a)pyrene	KKKK. Atrazine	M1. 1,4-Naphthoquinone
F. 1,2-Dichlorobenzene	HH. 2,4-Dinitrophenol	JJJ. Indeno(1,2,3-cd)pyrene	LLLL. Benzaldehyde	N1. N-Nitro-o-toluidine
G. 2-Methylphenol	II. 4-Nitrophenol	KKK. Dibenz(a,h)anthracene	MMMM. Caprolactam	O1. 1,3,5-Trinitrobenzene
H. 2,2'-Oxybis(1-chloropropane)	JJ. Dibenzofuran	LLL. Benzo(g,h,i)perylene	NNNN. 2,6-Dichlorophenol	P1. Pentachlorobenzene
I. 4-Methylphenol	KK. 2,4-Dinitrotoluene	MMM. Bis(2-Chloroisopropyl)ether	OOOO. 1,2-Diphenylhydrazine	Q1. 4-Aminobiphenyl
J. N-Nitroso-di-n-propylamine	LL. Diethylphthalate	NNN. Aniline	PPPP. 3-Methylphenol	R1. 2-Naphthylamine
K. Hexachloroethane	MM. 4-Chlorophenyl-phenyl ether	OOO. N-Nitrosodimethylamine	QQQQ. 3&4-Methylphenol	S1. Triphenylene
L. Nitrobenzene	NN. Fluorene	PPP. Benzoic Acid	RRRR. 4-Dimethyldibenzothiophene (4MDT)	T1. Octachlorostyrene
M. Isophorone	OO. 4-Nitroaniline	QQQ. Benzyl alcohol	SSSS. 2/3-Dimethyldibenzothiophene (4MDT)	U1. Famphur
N. 2-Nitrophenol	PP. 4,6-Dinitro-2-methylphenol	RRR. Pyridine	TTTT. 1-Methyldibenzothiophene (1MDT)	V1. 1,4-phenylenediamine
O. 2,4-Dimethylphenol	QQ. N-Nitrosodiphenylamine	SSS. Benzidine	UUUU.. 2,3,4,6-Tetrachlorophenol	W1. Methapyrilene
P. Bis(2-chloroethoxy)methane	RR. 4-Bromophenyl-phenylether	TTT. 1-Methylnaphthalene	VVVV. 1,2,4,5-Tetrachlorobenzene	X1. Pentachloroethane
Q. 2,4-Dichlorophenol	SS. Hexachlorobenzene	UUU.Benzo(b)thiophene	WWWW.. 2-Picoline	Y1. 3,3'-Dimethylbenzidine
R. 1,2,4-Trichlorobenzene	TT. Pentachlorophenol	VVV.Benzonaphthothiophene	XXXX. 3-Methylcholanthrene	Z1. o-Toluidine
S. Naphthalene	UU. Phenanthrene	WWW.Benzo(e)pyrene	YYYY. a,a-Dimethylphenethylamine	A2. 1-Naphthylamine
T. 4-Chloroaniline	VV. Anthracene	XXX. 2,6-Dimethylnaphthalene	ZZZZ. Hexachloropropene	B2. 4-Aminobiphenyl
U. Hexachlorobutadiene	WW. Carbazole	YYY. 2,3,5-Trimethylnaphthalene	A1. N-Nitrosodiethylamine	C2. 4-Nitroquinoline-1-oxide
V. 4-Chloro-3-methylphenol	XX. Di-n-butylphthalate	ZZZ. Perylene	B1. N-Nitrosodi-n-butylamine	D2. Hexachloropene
W. 2-Methylnaphthalene	YY. Fluoranthene	AAAA. Dibenzothiophene	C1. N-Nitrosomethylethylamine	E2. Bis (2-chloro-1-methylethyl) ether
X. Hexachlorocyclopentadiene	ZZ. Pyrene	BBBB. Benzo(a)fluoranthene	D1. N-Nitrosomorpholine	F2. Bifenthrin
Y. 2,4,6-Trichlorophenol	AAA. Butylbenzylphthalate	CCCC. Benzo(b)fluorene	E1. N-Nitrosopyrrolidine	G2. Cyfluthrin
Z. 2,4,5-Trichlorophenol	BBB. 3,3'-Dichlorobenzidine	DDDD. cis/trans-Decalin	F1. Phenacetin	H2. Cypermethrin
AA. 2-Chloronaphthalene	CCC. Benzo(a)anthracene	EEEE. 1,1'-Biphenyl	G1. 2-Acetylaminofluorene	I2. Permethrin (cis/trans)
BB. 2-Nitroaniline	DDD. Chrysene	FFFF. Retene	H1. Pronamide	J2. 5-Nitro-o-toluidine

LDC #: 49292C

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)
The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard
S = Standard deviation of the RRFs, X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (Internal Standard)	Reported RRF (50U std)	Recalculated RRF (50U std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL GCMS6	9/16/20	1,4-Dioxane (1st IS)	1.330	1.330	1.302	1.302	4.98	4.98
			(2nd IS)						
			(3rd IS)						
			(4th IS)						
			(5th IS)						
			(6th IS)						
2			(1st IS)						
			(2nd IS)						
			(3rd IS)						
			(4th IS)						
			(5th IS)						
			(6th IS)						
3			(1st IS)						
			(2nd IS)						
			(3rd IS)						
			(4th IS)						
			(5th IS)						
			(6th IS)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292D2c

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	ccv 2021	9/16/20	1,4- Dioxane (1st IS)	1.302	1.236	1.236	5.1	5.1
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
2			(1st IS)					
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
3			(1st IS)					
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292 D2 C

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
~~Nitrobenzene-d5~~ 1,4-Dioxane	500.0	235.508	47	47.10	0
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
~~1,2-Dichlorobenzene-d4~~					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 49292D2C

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: WG1410444-2/3

Compound	Spike Added (ng/L)		Spike Concentration (ng/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
~~Phenol~~ 1,4-Dioxane	5000	5000	5550	5630	111	111	113	113	2	2
N-Nitroso-di-n-propylamine										
4-Chloro-3-methylphenol										
Acenaphthene										
Pentachlorophenol										
~~Pyrene~~										

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292D2C

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. 2 , 1,4-Dioxane

Conc. = $\frac{1281586\ (500.0)\ (2.5)\ (1000)}{(52473)\ (1.302)\ (270)}$

= 86845 ng/L

2.5/270

#	Sample ID	Compound	Reported Concentration (ng/L)	Calculated Concentration (ng/L)	Qualification
	#2	1,4-Dioxane	86800	86845	

LDC #: 49292D96 **VALIDATION COMPLETENESS WORKSHEET** Date: 10/9/20
SDG #: L2038499 Category B Page: 1 of 1
Laboratory: Alpha Analytical, Inc. Reviewer: JL
2nd Reviewer:

METHOD: LC/MS Perfluoroalkyl & Polyfluoroalkyl Substances (EPA Method 537M)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	LC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	r² ≥ 0.99 ICV ≤ 50/30 ICV ≤ 30
IV.	Continuing calibration/ISC	A/A	D ≤ 30 ISC ≤ 50
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCSD
IX.	Field duplicates	N	
X.	Labeled Compounds	SW	
VI.	Compound quantitation RL/LOQ/LODs	A	<RL
XII.	Target compound identification	SW	
XIII.	System performance	A	
XIV.	Overall assessment of data	SW	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
SW = See worksheet FB = Field blank EB = Equipment blank

	Client ID		Lab ID	Matrix	Date
1	MW-204		L2038499-01	Water	09/15/20
2	MW-207D		L2038499-02	Water	09/15/20
3	MW-207DDL	(PFOS only) 5.6X	L2038499-02DL	Water	09/15/20
4	MW-207S		L2038499-03	Water	09/15/20
5	MW-210D		L2038499-04	Water	09/15/20
6	MW-210DDL	(PFOS only) 5.5X	L2038499-04DL	Water	09/15/20
7	MW-210I		L2038499-05	Water	09/15/20
8	MW-210IDL	(PFOS only) 5.2X	L2038499-05DL	Water	09/15/20
9	MW-210S		L2038499-06	Water	09/15/20
10	MW-210SDL	(PFOS only) 4.4X	L2038499-06DL	Water	09/15/20
11					

Notes:

	WG1410394						
	WG1411293						

LDC #: 49292B96 **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: R

Method: LC/MS PFAS (EPA Method 537Mod)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	√			
Were cooler temperature criteria met?	√			
II. LC/MS Instrument performance check				
Were the instrument performance reviewed and found to be within the validation criteria?	√			
III. Initial calibration and Initial Calibration Verification				
Did the laboratory perform a 5-point calibration prior to sample analysis?	√			
Were all percent relative standard deviations (%RSD) ≤ 20%?			√	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit criteria of ≥ 0.990?	√			
Were all analytes within 70-130% or percent differences (%D) ≤30% of their true value for each calibration standard except the lowest point (50-150%)?	√			
Was the signal to noise (S/N) ratio for all compounds within the validation criteria?	√			
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	√			
Were all percent differences (%D) ≤ 30%?	√			
IV. Continuing calibration and Instrument Sensitivity Check				
Was a continuing calibration analyzed prior to sample analysis, after every 10 samples and at the end of the analytical sequence?	√			
Were all percent differences (%D) of the continuing calibration ≤ 30%?	√			
Was the signal to noise (S/N) ratio for all compounds within the validation criteria?	√			
Were all percent differences (%D) of the Instrument Sensitivity Check ≤ 50%?	√			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	√			
Was a laboratory blank analyzed for each matrix and concentration?	√			
Was there contamination in the laboratory blanks?		√		
VI. Field blanks				
Were field blanks identified in this SDG?		√		
Were target compounds detected in the field blanks?			√	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?		√		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			√	

LDC #: 49292D96 **VALIDATION FINDINGS CHECKLIST** Page: 2 of 2
Reviewer: JC

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch for this SDG?	√			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	√			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		√		
Were target compounds detected in the field duplicates?			√	
XI. Labeled compounds				
Were labeled compound percent recoveries (%R) within the QC limits?		√		
XII. Compound quantitation				
Did the laboratory reporting limits (RL) meet the QAPP RLs?			√	
Did reported results include both branched and linear isomers?	√			
Were the correct ion transition, labeled compound and relative response factor (RRF) used to quantitate the compound?	√			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	√			
XIII. Target compound identification				
Was the signal to noise (S/N) ratio for all compounds within the validation criteria?	√			
Were two transitions and the ion transition ratio per analyte monitored and documented except for PFBA and PFPeA?	√			
Were ion ratios within QC limits?		√		
XIV. System performance				
System performance was found to be acceptable.	√			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	√			

TARGET COMPOUND WORKSHEET

METHOD: PFAS

	Associated Labeled Compound		
A. Perfluorobutanoic acid (PFBA)	MPFBA		
B. Perfluoropentanoic acid (PFPeA)	M5PFPEA		
C. Perfluorohexanoic acid (PFHxA)	M5PFHxA		
D. Perfluoroheptanoic acid (PFHpA)	M4PFHpA		
E. Perfluorooctanoic acid (PFOA)	M8PFOA		
F. Perfluorononanoic acid (PFNA)	M9PFNA		
G. Perfluorodecanoic acid (PFDA)	M8PFDA		
H. Perfluoroundecanoic acid (PFUnA)	M7PFUDA		
I. Perfluorododecanoic acid (PFDoA)	MPFDOA		
J. Perfluorotridecanoic acid (PFTrDA)	MPFDOA		
K. Perfluorotetradecanoic acid (PFTA)	M2PFTEDA		
L. Perfluorobutanesulfonic acid (PFBS)	M3PFBS		
M. Perfluorohexanesulfonic acid (PFHxS)	M3PFHxS		
N. Perfluoroheptanesulfonic acid (PFHpS)	M8PFOS		
O. Perfluorooctanesulfonic acid (PFOS)	M8PFOS		
P. Perfluorodecanesulfonic acid (PFDS)	M8PFOS		
Q. Perfluorooctanesulfonamide (FOSA)	M8FOSA		
R. N-Methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	d3-NMeFOSAA		
S. N-Ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	d5-NEtFOSAA		
T. 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2FTS)	M2-6:2FTS		
U. 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2FTS)	M2-8:2FTS		
V. 9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)			
W. 11-Chloroeicosafluoro-3-Oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			
X. Hexafluoropropylene oxide dimer acid (HFPO-DA)			
Y. 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2FTS)	M2-4:2FTS		
Z. Perfluorononanesulfonic acid (PFNS)	M8PFOS		

LDC #: 49292D96

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

Page: 1 of 1
Reviewer: [illegible]

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

All available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.

(Y) N N/A Was the overall quality and usability of the data acceptable?

#	Date	Sample ID	Compound	Finding	Qualifications
		2,5,7,9	6	> calib range	NR

Comments: _____

LDC #: 49292596

VALIDATION FINDINGS WORKSHEET
Labeled Compounds

Reviewer: A

METHOD: LC/MS PFAS (EPA Method 537M)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
Y (N) N/A Were all labeled compound recoveries within the QC criteria?

#	Date	Lab ID/Reference	Labeled Compound	% Recovery (Limit)	Qualifications
		1 (dek/ND)	M2-6:2FTS	237 (25-150)	J/UJ/P (T)
			M8FOSA	25 (50-150)	(Q)
				( )	
		2 (dek/ND)	M2-6:2FTS	188 (25-150)	
			M2-8:2FTS	152 ↓	(U)
			M8FOSA	27 (50-150)	
				( )	
		3/4 (dek)	M2-6:2FTS	168 (25-150)	
			M8FOSA	19 (50-150)	
				( )	
		#5 (ND)/dek)	M2-6:2FTS	194 25-150	
			M8FOSA	21 (50-150)	
				( )	
		6/7 (ND)	M2-6:2FTS	174 (25-150)	
			M8FOSA	19 (50-150)	
				( )	
		9 (dek/ND)	M2-6:2FTS	324 (25-150)	
			M2-8:2FTS	260 ↓	
			M8FOSA	36 (50-150)	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	

LDC #: 49293D96

VALIDATION FINDINGS WORKSHEET
Target Compound Identification

Page: 1 of 1
Reviewer: [illegible]

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y (N) N/A Was the signal to noise (S/N) ratio for all compounds within the validation criteria?
Y (N) N/A Were two transitions and the ion transition ratio per analyte monitored and documented with the exception of PFBA and PFPeA?
Y (N) N/A Were ion ratios within QC limits?

#	Date	Sample ID	Compound	Ion ratio (Limits)	Qualifications
		~~1,2,4,6r~~	Q	Ion ratio was not reported by the laboratory.	Text
		1,2,4,5,9		Using professional judgment, no qual since ~~the qualitative ion was present and~~ the result < RL. 1 qual ion was not present in ICal STD0.5 and STD1.0	
		1,2,4,5,9	S	Ion ratio was not reported.	J+/P
		4	↓	↓	No qual. < RL
		1,2,4,5,7,9	br-PFOS	ion ratio out	No qual. L-PFOS in
		4,7	br-PFHxS	↓	↓ L-PFHxS in
		1	Q	215.39 (51.29-153.86)	No qual, see above

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Method: LC/MS PFAS (EPA Method 537M)

Calibration Date	Analyte	Standard	(X) Concentration ratio	(Y) Area ratio
8/19/2020	L-PFOS	1	0.037	0.0347472
		2	0.073	0.0757281
		3	0.365	0.3573912
		4	0.730	0.7935716
		5	1.825	2.1931531
		6	3.650	4.4025570
		7	10.950	12.2761372
		8	18.250	20.1651285

Linear through the origin

	Calculated	***Reported***
Constant	0.000000	0.0000
X Coefficient(s)	1.112558	1.120090
Correlation Coefficient	0.999850	
Coefficient of Determination (r^2)	0.999701	0.998795

LDC #: 49292D96

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Method: LC/MS PFAS (EPA Method 537M)

Calibration Date	Analyte	Standard	(X) Concentration ratio	(Y) Area ratio
9/15/2020	L-PFOA	1	0.050	0.0489007
		2	0.100	0.0970421
		3	0.500	0.4657460
		4	1.000	0.9021630
		5	5.000	4.4974269
		6	15.000	13.7950265
		7	25.000	23.9068001

Linear through the origin

	Calculated	*Reported*
Constant	0.000000	0.0000
X Coefficient(s)	0.945184	0.937044
Correlation Coefficient	0.999823	
Coefficient of Determination (r^2)	0.999646	0.999439

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Method: LC/MS PFAS (EPA Method 537M)

Date	Analyte	Standard	(Y) Concentration ratio	(X) Area Ratio	(X^2) Area Ratio
9/15/2020	L-PFOS	1	0.0365	0.037	0.0014
		2	0.0730	0.074	0.0055
		3	0.3650	0.367	0.1347
		4	0.7300	0.693	0.4805
		5	3.6500	3.695	13.6534
		6	10.9500	10.642	113.2506
		7	18.2500	19.072	363.7318

Regression Output			Reported
Constant	c =	0.0000	0
Std Err of Y Est			
Degrees of Freedom			
	a =	-0.006405	0.000439453
X Coefficient(s)			
Std Err of Coef.	b =	1.081295059	0.955168000
Correlation Coefficient		0.999895	
Coefficient of Determination (r^2)	r^ 2	0.999790	0.999394

LDC #: 49292D9V

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Method: LC/MS PFAS (EPA Method 537M)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound
Cx = Concentration of compound,
Ais = Area of associated internal standard
Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	True Conc	Reported Conc	Recalculated Conc	Reported %R	Recalculated %R
1	I28908	9/17/2020	L-PFOA (13C8-PFOA)	0.500	0.531	0.531	106.1	106.1
			L-PFOS (13C8-PFOS)	0.365	0.337	0.337	92.3	92.2
2	I26501	9/18/2020	L-PFOA (13C8-PFOA)					
			L-PFOS (13C8-PFOS)	0.365	0.376	0.376	102.6	103.0
3			L-PFOA (13C8-PFOA)					
			L-PFOS (13C8-PFOS)					
4			L-PFOA (13C8-PFOA)					
			L-PFOS (13C8-PFOS)					
5			L-PFOA (13C8-PFOA)					
			L-PFOS (13C8-PFOS)					

LDC #: 49552D96

VALIDATION FINDINGS WORKSHEET
LCS Results Verification

Reviewer: SC

Method: LC/MS PFAS (EPA Method 537M)

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control duplicate were recalculated for the compounds identified below using the following calculation:

SSC = (Area spike) (Conc IS) / (Area IS) (average RRF spike)
%Recovery = 100 * SSC/SA

Where:
SSC = Spiked concentration
SA = Spike added
LCS = Laboratory control spike recovery
LCSD = Laboratory control spike duplicate recovery

RPD = | LCS - LCSD | * 2/(LCS + LCSD)

LCS/LCSD ID: WG1410394-2/3

Compound	SA (ng/L)		SSC (ng/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
PFOA	40.0	40.0	37.4	37.7	93	94	94	94	1	1
PFOS	37.1	37.1	36.3	38.0	98	98	102	102	4	5

LDC #: 49292D96

VALIDATION FINDINGS WORKSHEET
Sample Results Verification

Reviewer: SC

Method: LC/MS PFAS (EPA Method 537M)

Compound results for all Level IV samples reported with a positive detect were recalculated and verified using the following equation:

$$\text{Concentration} = \frac{(Ax)\,(Vo)\,(Df)}{(RRF)\,(Wt)\,(\%S)}$$

Where:

Ax = Area or height of the peak for the compound to be measured
Ais = Area or height of the peak for the internal standard
Cis = Concentration of the internal standard
DF = Dilution factor
Vt = Volume of extract in milliters (mL)
RRF = Average relative response factor
Wt = Weight of sample in grams (g)

Sample #	Compound	Ax	Ais	Cis	DF	RRF	Vt (mL)	Wt (g)	%S	Calculated Concentration (ng/L)	Reported Concentration (ng/L)	% Diff
1	L-PFOS	21902	8425	10	1	curve	1	278.12		96.66		
	br-PFOS	21798	8425	10	1	curve	1	278.12		69.53		
	Total									166	166	

Site: 33 Centre Avenue
Laboratory: Alpha Analytical, Inc.
Report No.: L2038499
Reviewer: Darionna Malone and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date: October 21, 2020

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-204	L2038499-01	Metals
MW-207D	L2038499-02	Metals
MW-207S	L2038499-03	Metals
MW-210D	L2038499-04	Metals
MW-210I	L2038499-05	Metals
MW-210S	L2038499-06	Metals
MW-204MS	L2038499-01MS	Metals
MW-204DUP	L2038499-01DUP	Metals
MW-207DMS	L2038499-02MS	Metals
MW-207DDUP	L2038499-02DUP	Metals

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed water samples were collected on September 15, 2020 and were analyzed for metals by SW-846 methods 6020B/7470A. The data validation was performed in accordance with USEPA Region 2 *Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program,* SOP HW-3b/c, Revision 1 (September 2016) and the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review,* EPA 540-R-2017-001 (January 2017), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS) Results
- Serial Dilution Results
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met.

CRQL Standard Recoveries

All criteria were met.

Blank Results

Analytes were detected below the reporting limits in the laboratory blank samples. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Aluminum	0.0121 mg/L	RL	MW-204
	Barium	0.00025 mg/L	RL	MW-207D
	Iron	0.0269 mg/L	RL	MW-207S
				MW-210D
				MW-210I
				MW-210S
ICB/CCB	Iron	23.1 ug/L	RL	MW-204
	Thallium	0.343 ug/L	RL	MW-207D
				MW-207S
				MW-210D
				MW-210I
				MW-210S

Blank Actions for analytes detected below the reporting limit(RL).
If the sample result is < RL, report the result as nondetect (U) at the RL.
If the sample result is > RL or nondetect, no action is required.
Blank Actions for analytes detected above the reporting limit or RL.
If the sample result is < RL and <action level; report the result as nondetect (U) at the RL.
If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.
If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
MW-210D	Aluminum	0.0100 mg/L	0.0150U mg/L
MW-210I	Thallium	0.00019 mg/L	0.00050U mg/L

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

A field blank was not associated with this sample set. Validation action was not required on this basis.

ICP ICS Results

Analytes were within control limits in the SIC analysis.

MS Results

MS analyses were performed on samples MW-204 and MW-207D for metals analyses. The following table lists the MS percent recoveries (%R) outside of control limits in the metals analyses and the resulting validation actions.

MS ID	Analyte	MS %R (Limits)	Affected Sample	Validation Action
MW-204MS	Nickel	131 (75-125)	MW-204 MW-207D MW-207S MW-210D MW-210I MW-210S	J detects

The nickel results may be biased high due to high MS percent recovery. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

Laboratory Duplicate Results

Laboratory duplicates were performed on sample MW-204 for metals analyses. All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on sample MW-204 for metals analyses. All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the metals analyses. These results were estimated (J) by the laboratory.

Dilutions were not required for metals analyses.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 49292D4a

SDG #: L2038499

Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET

Category B

Date:10/20/2020

Reviewer:DTM

2nd Reviewer:

METHOD: Metals (EPA SW 846 Method 6020B/7470A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	N	SIC
IV.	Laboratory Blanks	SW	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	SW	
VII.	Duplicate sample analysis	A	
VIII.	Serial Dilution	A	
IX.	Laboratory control samples	A	LCS
X.	Field Duplicates	N	
XI.	Sample Result Verification	A	
XII.	Overall Assessment of Data	A	MDL<Samples<RL, Jdet/A

Tune;A

Internal Standard:A

Note: A = Acceptable; ND = No compounds detected; D = Duplicate; SB=Source blank
N = Not provided/applicable; R = Rinsate; TB = Trip blank; OTHER:
SW = See worksheet; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	Matrix	Date
1	MW-204	L2038499-01	Water	09/15/20
2	MW-207D	L2038499-02	Water	09/15/20
3	MW-207S	L2038499-03	Water	09/15/20
4	MW-210D	L2038499-04	Water	09/15/20
5	MW-210I	L2038499-05	Water	09/15/20
6	MW-210S	L2038499-06	Water	09/15/20
7	MW-204MS	L2038499-01MS	Water	09/15/20
8	MW-204DUP	L2038499-01DUP	Water	09/15/20
9	MW-207DMS	L2038499-02MS	Water	09/15/20
10	MW-207DDUP	L2038499-02DUP	Water	09/15/20
11				

Notes:

Method: Metals (EPA SW 846 Method 6010/6020/7000)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. ICP/MS Tune				
Were all isotopes in the tuning solution mass resolution within 0.1 amu?	✓			
Were %RSD of isotopes in the tuning solution ≤5%?	✓			
III. Calibration				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial and continuing calibration verification %Rs within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low standard checks within 70-130%			✓	
Were all initial calibration correlation coefficients within limits as specified by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.	✓			
V. ICP Interference Check Sample				
Were ICP interference check samples performed daily?	✓			
Were the AB solution percent recoveries (%R) with the 80-120% QC limits?			✓	
VI. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water.	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.		✓		
Were the MS/MSD or duplicate relative percent differences (RPD) ≤ 20% for waters and ≤ 35% for soil samples? A control limit of +/- RL(+/-2X RL for soil) was used for samples that were ≤ 5X the RL, including when only one of the duplicate sample values were ≤ 5X the RL.	✓			
VII. Laboratory control samples				
Was an LCS anaylzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			

Validation Area	Yes	No	NA	Findings/Comments
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% QC limits for water samples and laboratory established QC limits for soils?				

VIII. Internal Standards (EPA SW 846 Method 6020/EPA 200.8)				
Were all the percent recoveries (%R) within the 30-120% (6020)/60-125% (200.8) of the intensity of the internal standard in the associated initial calibration?				
If the %Rs were outside the criteria, was a reanalysis performed?				
IX. ICP Serial Dilution				
Was an ICP serial dilution analyzed if analyte concentrations were > 50X the MDL (ICP)/>100X the MDL(ICP/MS)?				
Were all percent differences (%Ds) ≤ 10%?				
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.				
X. Sample Result Verification				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?				
XI. Overall assessment of data				
Overall assessment of data was found to be acceptable.				
XII. Field duplicates				
Field duplicate pairs were identified in this SDG.				
Target analytes were detected in the field duplicates.				
XIII. Field blanks				
Field blanks were identified in this SDG.				
Target analytes were detected in the field blanks.				

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1-6	W	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn
QC 3-4	W	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, Tl, V, Zn
QC 5-6	W	Hg
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
Analysis Method		
ICP		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
ICP-MS		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
GFAA		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr

Comments: Mercury by CVAA if performed

LDC #: 49292D4a

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace metals (EPA SW 864 Method 6010/6020/7000)
Soil preparation factor applied: ____
Sample Concentration units, unless otherwise noted: mg/L
Associated Samples: ALL

					Sample Identification										
Analyte	**Maximum PB[a] (mg/L)**	**Maximum PB[a] (ug/L)**	**Maximum ICB/CCB[a] (ug/L)**	**Action Level**	**4**	5									
Al	0.0121				0.0100/0.0150										
Ba	0.00025														
Fe	0.0269		23.1												
Tl			0.343			0.00019/0.00050									

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".

Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #:49292D4a

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: DTM

METHOD: Trace metals (EPA SW 846 Method 6020/6010/7470)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a matrix spike analyzed for each matrix in this SDG?

Y N N/A Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.

Y N N/A Were all duplicate sample relative percent differences (RPD) ≤ 20% for samples?

LEVEL IV ONLY:

Y N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	MS/MSD ID	Matrix	Analyte	MS %Recovery	MSD %Recovery	RPD (Limits)	Associated Samples	Qual	DET	ND	PS Recovery%
	7	W	Ni	131			ALL	J/A	ALL		

Comments: 7 Ca, Fe, Mg, Mn, Na> 4x Spike

LDC #: 49292D4a

VALIDATION FINDINGS WORKSHEET

Initial and Continuing Calibration Calculation Verification

Reviewer: DTM

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution

True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
N	ICP (Low Level calibration)						
N	ICP/MS (Low Level calibration)						
N	ICP (Initial calibration)						
ICV	ICP/MS (Initial calibration)	Ag	49.6	50	99	99	Y
ICV	CVAA (Initial calibration)	Hg	0.0030	0.0030	100	102	Y
N	ICP (Continuing calibration)						
CCV13	ICP/MS (Continuing calibration)	Tl	60.0	60.0	100	100	Y
CCV39	CVAA (Continuing calibration)	Hg	0.0108	0.0100	108	108	Y

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
9/16/2020	Mass Axis	115	114.9	± 0.1 AMU	NA	Y
9/16/2020	%RSD	59	0.8%	≤ 5% RSD	0.8%	Y

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$$\%R = \frac{Found}{True} \times 100$$

Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$$RPD = \frac{|S-D|}{(S+D)/2} \times 100$$

Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$$\%D = \frac{|I-SDR|}{I} \times 100$$

Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
N	ICP interference check						
LCS	Laboratory control sample	Na	10.0mg/L	10.0mg/L	100	100	Y
7	Matrix spike	V	(SSR-SR) 0.5266mg/L	0.500mg/L	105	105	Y
8	Duplicate	Fe	54.6mg/L	53.2mg/L	3	3	Y
1	ICP serial dilution	Mg	104mg/L	105mg/L	1	1	Y

Comments:

LDC #: 49292D4a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: DTM

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Have results been reported and calculated correctly?
Y N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
Y N N/A Are all detection limits below the CRDL?

Detected analyte results for _____ were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$ Recalculation:

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

#	Sample ID	Analyte	Reported Concentration (mg/L)	Calculated Concentration (mg/L)	Acceptable (Y/N)
	1	Al	0.0191	0.0191	Y
	2	Mg	63.0	63.0	Y
	3	Be	0.00084	0.00084	Y
	4	K	14.3	14.3	Y
	5	Fe	36.7	36.7	Y
	6	Na	292	292	Y

Huguenot Street Development - LDC# 49292D

SDG: L2038499

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-204	L2038499-01	PERFLUOROHEXANOIC ACID (PFHXA)	9/17/2020	15.4	Y	Y				1.8	0.295	ng/l
MW-204	L2038499-01	PERFLUOROOCTANOIC ACID (PFOA)	9/17/2020	42.2	Y	Y				1.8	0.212	ng/l
MW-204	L2038499-01	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/17/2020		Y	N	U		U	1.8	0.294	ng/l
MW-204	L2038499-01	PERFLUOROPENTANOIC ACID (PFPEA)	9/17/2020	17.4	Y	Y				1.8	0.356	ng/l
MW-204	L2038499-01	PERFLUORODECANOIC ACID (PFDA)	9/17/2020	1	Y	Y	J		J	1.8	0.273	ng/l
MW-204	L2038499-01	PERFLUOROHEPTANOIC ACID (PFHPA)	9/17/2020	13.1	Y	Y				1.8	0.202	ng/l
MW-204	L2038499-01	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/17/2020	3.52	Y	Y				1.8	0.618	ng/l
MW-204	L2038499-01	PERFLUOROBUTANOIC ACID (PFBA)	9/17/2020	12	Y	Y				1.8	0.367	ng/l
MW-204	L2038499-01	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/17/2020	14.3	Y	Y				1.8	0.214	ng/l
MW-204	L2038499-01	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/17/2020	1.93	Y	Y	F	J	J	1.8	0.723	ng/l
MW-204	L2038499-01	PERFLUORONONANOIC ACID (PFNA)	9/17/2020	3.98	Y	Y				1.8	0.28	ng/l
MW-204	L2038499-01	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/17/2020	6.8	Y	Y				1.8	0.338	ng/l
MW-204	L2038499-01	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/17/2020	166	Y	Y	F			1.8	0.453	ng/l
MW-204	L2038499-01	PERFLUOROUNDECANOIC ACID (PFUNA)	9/17/2020		Y	N	U		U	1.8	0.234	ng/l
MW-204	L2038499-01	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/17/2020	1.61	Y	Y	JF	J	J	1.8	0.521	ng/l
MW-204	L2038499-01	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/17/2020		Y	N	U		U	1.8	1.09	ng/l
MW-204	L2038499-01	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/17/2020		Y	N	U		U	1.8	0.582	ng/l
MW-204	L2038499-01	PERFLUORODECANESULFONIC ACID (PFDS)	9/17/2020		Y	N	U		U	1.8	0.881	ng/l
MW-204	L2038499-01	PERFLUORODODECANOIC ACID (PFDOA)	9/17/2020		Y	N	U		U	1.8	0.334	ng/l
MW-204	L2038499-01	PERFLUOROTETRADECANOIC ACID (PFTA)	9/17/2020		Y	N	U		U	1.8	0.223	ng/l
MW-204	L2038499-01	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/17/2020		Y	N	U	UJ	UJ	1.8	1.2	ng/l

SDG: L2038499

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-207D	L2038499-02	PERFLUOROOCTANOIC ACID (PFOA)	9/17/2020	58.9	Y	Y				1.77	0.209	ng/l
MW-207D	L2038499-02	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/17/2020	2.31	Y	Y	F	J	J	1.77	0.513	ng/l
MW-207D	L2038499-02	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/17/2020	3.75	Y	Y	F	J	J	1.77	0.712	ng/l
MW-207D	L2038499-02	PERFLUORONONANOIC ACID (PFNA)	9/17/2020	2.82	Y	Y				1.77	0.276	ng/l
MW-207D	L2038499-02	PERFLUOROHEXANOIC ACID (PFHXA)	9/17/2020	13.5	Y	Y				1.77	0.29	ng/l
MW-207D	L2038499-02	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/17/2020	7.98	Y	Y				1.77	0.333	ng/l
MW-207D	L2038499-02	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/17/2020	8.27	Y	Y				1.77	0.609	ng/l
MW-207D	L2038499-02	PERFLUOROPENTANOIC ACID (PFPEA)	9/17/2020	14.8	Y	Y				1.77	0.35	ng/l
MW-207D	L2038499-02	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/17/2020		Y	N	U	UJ	UJ	1.77	1.07	ng/l
MW-207D	L2038499-02	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/17/2020		Y	N	U	UJ	UJ	1.77	1.18	ng/l
MW-207D	L2038499-02	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/17/2020		Y	N	U		U	1.77	0.574	ng/l
MW-207D	L2038499-02	PERFLUORODECANESULFONIC ACID (PFDS)	9/17/2020		Y	N	U		U	1.77	0.867	ng/l
MW-207D	L2038499-02	PERFLUORODODECANOIC ACID (PFDOA)	9/17/2020		Y	N	U		U	1.77	0.329	ng/l
MW-207D	L2038499-02	PERFLUOROTETRADECANOIC ACID (PFTA)	9/17/2020		Y	N	U		U	1.77	0.219	ng/l
MW-207D	L2038499-02	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/17/2020		Y	N	U		U	1.77	0.29	ng/l
MW-207D	L2038499-02	PERFLUOROUNDECANOIC ACID (PFUNA)	9/17/2020		Y	N	U		U	1.77	0.23	ng/l
MW-207D	L2038499-02	PERFLUOROHEPTANOIC ACID (PFHPA)	9/17/2020	12.6	Y	Y				1.77	0.199	ng/l
MW-207D	L2038499-02	PERFLUOROBUTANOIC ACID (PFBA)	9/17/2020	11	Y	Y				1.77	0.361	ng/l
MW-207D	L2038499-02	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/17/2020	80.4	Y	Y				1.77	0.211	ng/l
MW-207D	L2038499-02	PERFLUORODECANOIC ACID (PFDA)	9/17/2020	1.09	Y	Y	J		J	1.77	0.269	ng/l
MW-207D	L2038499-02	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/18/2020	437	Y	Y				10	2.52	ng/l
MW-207S	L2038499-03	PERFLUOROHEPTANOIC ACID (PFHPA)	9/17/2020	10.4	Y	Y				1.79	0.201	ng/l

SDG: L2038499

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-207S	L2038499-03	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/17/2020	4.83	Y	Y				1.79	0.616	ng/l
MW-207S	L2038499-03	PERFLUOROBUTANOIC ACID (PFBA)	9/17/2020	11.5	Y	Y				1.79	0.365	ng/l
MW-207S	L2038499-03	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/17/2020	45.8	Y	Y				1.79	0.213	ng/l
MW-207S	L2038499-03	PERFLUORONONANOIC ACID (PFNA)	9/17/2020	2.29	Y	Y				1.79	0.279	ng/l
MW-207S	L2038499-03	PERFLUOROOCTANOIC ACID (PFOA)	9/17/2020	41.2	Y	Y				1.79	0.211	ng/l
MW-207S	L2038499-03	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/17/2020	1.07	Y	Y	J		J	1.79	0.719	ng/l
MW-207S	L2038499-03	PERFLUORODECANOIC ACID (PFDA)	9/17/2020	0.959	Y	Y	J		J	1.79	0.272	ng/l
MW-207S	L2038499-03	PERFLUOROPENTANOIC ACID (PFPEA)	9/17/2020	13.6	Y	Y				1.79	0.354	ng/l
MW-207S	L2038499-03	PERFLUOROHEXANOIC ACID (PFHXA)	9/17/2020	13.3	Y	Y				1.79	0.293	ng/l
MW-207S	L2038499-03	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/17/2020	2.06	Y	Y	F	J	J	1.79	0.519	ng/l
MW-207S	L2038499-03	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/17/2020	292	Y	Y	F			1.79	0.451	ng/l
MW-207S	L2038499-03	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/17/2020	11.4	Y	Y		J	J	1.79	1.19	ng/l
MW-207S	L2038499-03	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/17/2020	5.18	Y	Y	F			1.79	0.336	ng/l
MW-207S	L2038499-03	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/17/2020		Y	N	U		U	1.79	0.58	ng/l
MW-207S	L2038499-03	PERFLUORODECANESULFONIC ACID (PFDS)	9/17/2020		Y	N	U		U	1.79	0.877	ng/l
MW-207S	L2038499-03	PERFLUORODODECANOIC ACID (PFDOA)	9/17/2020		Y	N	U		U	1.79	0.333	ng/l
MW-207S	L2038499-03	PERFLUOROTETRADECANOIC ACID (PFTA)	9/17/2020		Y	N	U		U	1.79	0.222	ng/l
MW-207S	L2038499-03	PERFLUOROUNDECANOIC ACID (PFUNA)	9/17/2020		Y	N	U		U	1.79	0.233	ng/l
MW-207S	L2038499-03	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/17/2020		Y	N	U		U	1.79	0.293	ng/l
MW-207S	L2038499-03	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/17/2020		Y	N	U		U	1.79	1.08	ng/l
MW-210D	L2038499-04	PERFLUOROTETRADECANOIC ACID (PFTA)	9/17/2020		Y	N	U		U	1.82	0.226	ng/l
MW-210D	L2038499-04	PERFLUORODECANOIC ACID (PFDA)	9/17/2020	0.966	Y	Y	J		J	1.82	0.277	ng/l

SDG: L2038499

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-210D	L2038499-04	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/17/2020	2.74	Y	Y	F	J	J	1.82	0.733	ng/l
MW-210D	L2038499-04	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/17/2020		Y	N	U		U	1.82	0.298	ng/l
MW-210D	L2038499-04	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/17/2020	1.29	Y	Y	JF	J	J	1.82	0.528	ng/l
MW-210D	L2038499-04	PERFLUORODECANESULFONIC ACID (PFDS)	9/17/2020		Y	N	U		U	1.82	0.893	ng/l
MW-210D	L2038499-04	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/17/2020		Y	N	U		U	1.82	1.1	ng/l
MW-210D	L2038499-04	PERFLUORODODECANOIC ACID (PFDOA)	9/17/2020		Y	N	U		U	1.82	0.339	ng/l
MW-210D	L2038499-04	PERFLUOROUNDECANOIC ACID (PFUNA)	9/17/2020		Y	N	U		U	1.82	0.237	ng/l
MW-210D	L2038499-04	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/17/2020		Y	N	U	UJ	UJ	1.82	1.21	ng/l
MW-210D	L2038499-04	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/17/2020		Y	N	U		U	1.82	0.59	ng/l
MW-210D	L2038499-04	PERFLUORONONANOIC ACID (PFNA)	9/17/2020	2.73	Y	Y				1.82	0.284	ng/l
MW-210D	L2038499-04	PERFLUOROHEXANOIC ACID (PFHXA)	9/17/2020	12.4	Y	Y				1.82	0.299	ng/l
MW-210D	L2038499-04	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/17/2020	12.3	Y	Y				1.82	0.343	ng/l
MW-210D	L2038499-04	PERFLUOROHEPTANOIC ACID (PFHPA)	9/17/2020	12.7	Y	Y				1.82	0.205	ng/l
MW-210D	L2038499-04	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/17/2020	11.6	Y	Y				1.82	0.627	ng/l
MW-210D	L2038499-04	PERFLUOROBUTANOIC ACID (PFBA)	9/17/2020	9.89	Y	Y				1.82	0.372	ng/l
MW-210D	L2038499-04	PERFLUOROPENTANOIC ACID (PFPEA)	9/17/2020	14.3	Y	Y				1.82	0.361	ng/l
MW-210D	L2038499-04	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/17/2020	198	Y	Y				1.82	0.217	ng/l
MW-210D	L2038499-04	PERFLUOROOCTANOIC ACID (PFOA)	9/17/2020	63.6	Y	Y				1.82	0.215	ng/l
MW-210D	L2038499-04	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/18/2020	618	Y	Y				10	2.52	ng/l
MW-210I	L2038499-05	PERFLUOROTETRADECANOIC ACID (PFTA)	9/17/2020		Y	N	U		U	1.92	0.238	ng/l
MW-210I	L2038499-05	PERFLUOROBUTANOIC ACID (PFBA)	9/17/2020	7.03	Y	Y				1.92	0.391	ng/l
MW-210I	L2038499-05	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/17/2020		Y	N	U		U	1.92	0.313	ng/l

SDG: L2038499

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-210I	L2038499-05	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/17/2020	138	Y	Y				1.92	0.228	ng/l
MW-210I	L2038499-05	PERFLUOROUNDECANOIC ACID (PFUNA)	9/17/2020		Y	N	U		U	1.92	0.249	ng/l
MW-210I	L2038499-05	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/17/2020		Y	N	U		U	1.92	0.77	ng/l
MW-210I	L2038499-05	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/17/2020		Y	N	U		U	1.92	1.16	ng/l
MW-210I	L2038499-05	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/17/2020		Y	N	U	UJ	UJ	1.92	0.556	ng/l
MW-210I	L2038499-05	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/17/2020		Y	N	U	UJ	UJ	1.92	1.28	ng/l
MW-210I	L2038499-05	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/17/2020	12	Y	Y	F			1.92	0.36	ng/l
MW-210I	L2038499-05	PERFLUOROPENTANOIC ACID (PFPEA)	9/17/2020	11.4	Y	Y				1.92	0.379	ng/l
MW-210I	L2038499-05	PERFLUOROOCTANOIC ACID (PFOA)	9/17/2020	55.2	Y	Y				1.92	0.226	ng/l
MW-210I	L2038499-05	PERFLUORODODECANOIC ACID (PFDOA)	9/17/2020		Y	N	U		U	1.92	0.356	ng/l
MW-210I	L2038499-05	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/17/2020		Y	N	U		U	1.92	0.621	ng/l
MW-210I	L2038499-05	PERFLUORODECANESULFONIC ACID (PFDS)	9/17/2020		Y	N	U		U	1.92	0.939	ng/l
MW-210I	L2038499-05	PERFLUOROHEXANOIC ACID (PFHXA)	9/17/2020	10.5	Y	Y				1.92	0.314	ng/l
MW-210I	L2038499-05	PERFLUOROHEPTANOIC ACID (PFHPA)	9/17/2020	10.8	Y	Y				1.92	0.216	ng/l
MW-210I	L2038499-05	PERFLUORONONANOIC ACID (PFNA)	9/17/2020	2.83	Y	Y				1.92	0.299	ng/l
MW-210I	L2038499-05	PERFLUORODECANOIC ACID (PFDA)	9/17/2020	0.927	Y	Y	J		J	1.92	0.291	ng/l
MW-210I	L2038499-05	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/17/2020	12.4	Y	Y				1.92	0.659	ng/l
MW-210I	L2038499-05	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/18/2020	558	Y	Y				10	2.52	ng/l
MW-210S	L2038499-06	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/17/2020	3.32	Y	Y		J	J	2.29	1.53	ng/l
MW-210S	L2038499-06	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/17/2020	1.79	Y	Y	JF	J	J	2.29	0.666	ng/l
MW-210S	L2038499-06	PERFLUOROPENTANOIC ACID (PFPEA)	9/17/2020	12.6	Y	Y				2.29	0.454	ng/l
MW-210S	L2038499-06	PERFLUOROUNDECANOIC ACID (PFUNA)	9/17/2020		Y	N	U		U	2.29	0.298	ng/l

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-210S	L2038499-06	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/17/2020		Y	N	U		U	2.29	0.375	ng/l
MW-210S	L2038499-06	PERFLUOROTETRADECANOIC ACID (PFTA)	9/17/2020		Y	N	U		U	2.29	0.284	ng/l
MW-210S	L2038499-06	PERFLUORODODECANOIC ACID (PFDOA)	9/17/2020		Y	N	U		U	2.29	0.427	ng/l
MW-210S	L2038499-06	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/17/2020		Y	N	U	UJ	UJ	2.29	1.39	ng/l
MW-210S	L2038499-06	PERFLUOROHEXANOIC ACID (PFHXA)	9/17/2020	10.2	Y	Y				2.29	0.376	ng/l
MW-210S	L2038499-06	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/17/2020		Y	N	U		U	2.29	0.744	ng/l
MW-210S	L2038499-06	PERFLUOROOCTANOIC ACID (PFOA)	9/17/2020	53.9	Y	Y				2.29	0.271	ng/l
MW-210S	L2038499-06	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/17/2020	2.9	Y	Y	F	J	J	2.29	0.922	ng/l
MW-210S	L2038499-06	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/17/2020	435	Y	Y				2.29	0.273	ng/l
MW-210S	L2038499-06	PERFLUORODECANOIC ACID (PFDA)	9/17/2020	0.826	Y	Y	J		J	2.29	0.349	ng/l
MW-210S	L2038499-06	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/17/2020	20.7	Y	Y				2.29	0.789	ng/l
MW-210S	L2038499-06	PERFLUOROHEPTANOIC ACID (PFHPA)	9/17/2020	10.2	Y	Y				2.29	0.258	ng/l
MW-210S	L2038499-06	PERFLUORODECANESULFONIC ACID (PFDS)	9/17/2020		Y	N	U		U	2.29	1.12	ng/l
MW-210S	L2038499-06	PERFLUOROBUTANOIC ACID (PFBA)	9/17/2020	15.3	Y	Y				2.29	0.468	ng/l
MW-210S	L2038499-06	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/17/2020	21	Y	Y				2.29	0.431	ng/l
MW-210S	L2038499-06	PERFLUORONONANOIC ACID (PFNA)	9/17/2020	2.03	Y	Y	J		J	2.29	0.358	ng/l
MW-210S	L2038499-06	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/18/2020	904	Y	Y				10	2.52	ng/l

Analytical Method SW6020B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-204	L2038499-01	CALCIUM, TOTAL	9/16/2020	228	Y	Y				0.1	0.0394	mg/l
MW-204	L2038499-01	SELENIUM, TOTAL	9/16/2020		Y	N	U		U	0.005	0.00173	mg/l
MW-204	L2038499-01	SODIUM, TOTAL	9/16/2020	387	Y	Y				0.1	0.0293	mg/l

SDG: L2038499

Analytical Method SW6020B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-204	L2038499-01	POTASSIUM, TOTAL	9/16/2020	15.1	Y	Y				0.1	0.0309	mg/l
MW-204	L2038499-01	NICKEL, TOTAL	9/16/2020	1.179	Y	Y		J	J	0.002	0.00055	mg/l
MW-204	L2038499-01	MANGANESE, TOTAL	9/16/2020	3.625	Y	Y				0.001	0.00044	mg/l
MW-204	L2038499-01	MAGNESIUM, TOTAL	9/16/2020	105	Y	Y				0.07	0.0242	mg/l
MW-204	L2038499-01	IRON, TOTAL	9/16/2020	53.2	Y	Y				0.05	0.0191	mg/l
MW-204	L2038499-01	ZINC, TOTAL	9/16/2020	0.01236	Y	Y				0.01	0.00341	mg/l
MW-204	L2038499-01	LEAD, TOTAL	9/16/2020		Y	N	U		U	0.001	0.00034	mg/l
MW-204	L2038499-01	ANTIMONY, TOTAL	9/16/2020	0.00045	Y	Y	J		J	0.004	0.00042	mg/l
MW-204	L2038499-01	BARIUM, TOTAL	9/16/2020	0.09914	Y	Y				0.0005	0.00017	mg/l
MW-204	L2038499-01	ARSENIC, TOTAL	9/16/2020	0.00058	Y	Y				0.0005	0.00016	mg/l
MW-204	L2038499-01	ALUMINUM, TOTAL	9/16/2020	0.0191	Y	Y				0.015	0.00327	mg/l
MW-204	L2038499-01	SILVER, TOTAL	9/16/2020		Y	N	U		U	0.0004	0.00016	mg/l
MW-204	L2038499-01	THALLIUM, TOTAL	9/16/2020		Y	N	U		U	0.0005	0.00014	mg/l
MW-204	L2038499-01	COBALT, TOTAL	9/16/2020	0.00818	Y	Y				0.0005	0.00016	mg/l
MW-204	L2038499-01	VANADIUM, TOTAL	9/16/2020		Y	N	U		U	0.005	0.00157	mg/l
MW-204	L2038499-01	COPPER, TOTAL	9/16/2020		Y	N	U		U	0.001	0.00038	mg/l
MW-204	L2038499-01	CHROMIUM, TOTAL	9/16/2020		Y	N	U		U	0.001	0.00017	mg/l
MW-204	L2038499-01	BERYLLIUM, TOTAL	9/16/2020		Y	N	U		U	0.0005	0.0001	mg/l
MW-204	L2038499-01	CADMIUM, TOTAL	9/16/2020		Y	N	U		U	0.0002	0.00005	mg/l
MW-207D	L2038499-02	MAGNESIUM, TOTAL	9/16/2020	63	Y	Y				0.07	0.0242	mg/l
MW-207D	L2038499-02	CHROMIUM, TOTAL	9/16/2020	0.0007	Y	Y	J		J	0.001	0.00017	mg/l
MW-207D	L2038499-02	ZINC, TOTAL	9/16/2020	0.01554	Y	Y				0.01	0.00341	mg/l
MW-207D	L2038499-02	SODIUM, TOTAL	9/16/2020	152	Y	Y				0.1	0.0293	mg/l
MW-207D	L2038499-02	ANTIMONY, TOTAL	9/16/2020		Y	N	U		U	0.004	0.00042	mg/l
MW-207D	L2038499-02	THALLIUM, TOTAL	9/16/2020		Y	N	U		U	0.0005	0.00014	mg/l

SDG: L2038499

Analytical Method SW6020B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-207D	L2038499-02	CADMIUM, TOTAL	9/16/2020		Y	N	U		U	0.0002	0.00005	mg/l
MW-207D	L2038499-02	BERYLLIUM, TOTAL	9/16/2020	0.00018	Y	Y	J		J	0.0005	0.0001	mg/l
MW-207D	L2038499-02	COPPER, TOTAL	9/16/2020	0.00146	Y	Y				0.001	0.00038	mg/l
MW-207D	L2038499-02	SELENIUM, TOTAL	9/16/2020		Y	N	U		U	0.005	0.00173	mg/l
MW-207D	L2038499-02	SILVER, TOTAL	9/16/2020		Y	N	U		U	0.0004	0.00016	mg/l
MW-207D	L2038499-02	LEAD, TOTAL	9/16/2020		Y	N	U		U	0.001	0.00034	mg/l
MW-207D	L2038499-02	POTASSIUM, TOTAL	9/16/2020	13.9	Y	Y				0.1	0.0309	mg/l
MW-207D	L2038499-02	NICKEL, TOTAL	9/16/2020	0.3135	Y	Y		J	J	0.002	0.00055	mg/l
MW-207D	L2038499-02	MANGANESE, TOTAL	9/16/2020	4.288	Y	Y				0.001	0.00044	mg/l
MW-207D	L2038499-02	IRON, TOTAL	9/16/2020	30.4	Y	Y				0.05	0.0191	mg/l
MW-207D	L2038499-02	VANADIUM, TOTAL	9/16/2020		Y	N	U		U	0.005	0.00157	mg/l
MW-207D	L2038499-02	COBALT, TOTAL	9/16/2020	0.0081	Y	Y				0.0005	0.00016	mg/l
MW-207D	L2038499-02	CALCIUM, TOTAL	9/16/2020	164	Y	Y				0.1	0.0394	mg/l
MW-207D	L2038499-02	BARIUM, TOTAL	9/16/2020	0.05379	Y	Y				0.0005	0.00017	mg/l
MW-207D	L2038499-02	ARSENIC, TOTAL	9/16/2020	0.00062	Y	Y				0.0005	0.00016	mg/l
MW-207D	L2038499-02	ALUMINUM, TOTAL	9/16/2020	0.0656	Y	Y				0.015	0.00327	mg/l
MW-207S	L2038499-03	THALLIUM, TOTAL	9/16/2020		Y	N	U		U	0.0005	0.00014	mg/l
MW-207S	L2038499-03	CALCIUM, TOTAL	9/16/2020	160	Y	Y				0.1	0.0394	mg/l
MW-207S	L2038499-03	ANTIMONY, TOTAL	9/16/2020		Y	N	U		U	0.004	0.00042	mg/l
MW-207S	L2038499-03	SILVER, TOTAL	9/16/2020		Y	N	U		U	0.0004	0.00016	mg/l
MW-207S	L2038499-03	VANADIUM, TOTAL	9/16/2020		Y	N	U		U	0.005	0.00157	mg/l
MW-207S	L2038499-03	SELENIUM, TOTAL	9/16/2020		Y	N	U		U	0.005	0.00173	mg/l
MW-207S	L2038499-03	MAGNESIUM, TOTAL	9/16/2020	40.8	Y	Y				0.07	0.0242	mg/l
MW-207S	L2038499-03	ARSENIC, TOTAL	9/16/2020	0.00039	Y	Y	J		J	0.0005	0.00016	mg/l
MW-207S	L2038499-03	ZINC, TOTAL	9/16/2020	0.01222	Y	Y				0.01	0.00341	mg/l

SDG: L2038499

Analytical Method SW6020B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-207S	L2038499-03	SODIUM, TOTAL	9/16/2020	352	Y	Y				0.1	0.0293	mg/l
MW-207S	L2038499-03	POTASSIUM, TOTAL	9/16/2020	40.6	Y	Y				0.1	0.0309	mg/l
MW-207S	L2038499-03	BERYLLIUM, TOTAL	9/16/2020	0.00084	Y	Y				0.0005	0.0001	mg/l
MW-207S	L2038499-03	MANGANESE, TOTAL	9/16/2020	2.825	Y	Y				0.001	0.00044	mg/l
MW-207S	L2038499-03	ALUMINUM, TOTAL	9/16/2020	0.124	Y	Y				0.015	0.00327	mg/l
MW-207S	L2038499-03	LEAD, TOTAL	9/16/2020	0.0026	Y	Y				0.001	0.00034	mg/l
MW-207S	L2038499-03	IRON, TOTAL	9/16/2020	3.86	Y	Y				0.05	0.0191	mg/l
MW-207S	L2038499-03	COPPER, TOTAL	9/16/2020	0.0108	Y	Y				0.001	0.00038	mg/l
MW-207S	L2038499-03	COBALT, TOTAL	9/16/2020	0.01204	Y	Y				0.0005	0.00016	mg/l
MW-207S	L2038499-03	CHROMIUM, TOTAL	9/16/2020	0.08581	Y	Y				0.001	0.00017	mg/l
MW-207S	L2038499-03	CADMIUM, TOTAL	9/16/2020	0.00049	Y	Y				0.0002	0.00005	mg/l
MW-207S	L2038499-03	BARIUM, TOTAL	9/16/2020	0.09988	Y	Y				0.0005	0.00017	mg/l
MW-207S	L2038499-03	NICKEL, TOTAL	9/16/2020	0.4186	Y	Y		J	J	0.002	0.00055	mg/l
MW-210D	L2038499-04	SELENIUM, TOTAL	9/16/2020		Y	N	U		U	0.005	0.00173	mg/l
MW-210D	L2038499-04	ALUMINUM, TOTAL	9/16/2020		Y	N	J	U	U	0.015	0.00327	mg/l
MW-210D	L2038499-04	COBALT, TOTAL	9/16/2020	0.00473	Y	Y				0.0005	0.00016	mg/l
MW-210D	L2038499-04	ARSENIC, TOTAL	9/16/2020	0.00059	Y	Y				0.0005	0.00016	mg/l
MW-210D	L2038499-04	THALLIUM, TOTAL	9/16/2020		Y	N	U		U	0.0005	0.00014	mg/l
MW-210D	L2038499-04	ZINC, TOTAL	9/16/2020		Y	N	U		U	0.01	0.00341	mg/l
MW-210D	L2038499-04	SODIUM, TOTAL	9/16/2020	115	Y	Y				0.1	0.0293	mg/l
MW-210D	L2038499-04	POTASSIUM, TOTAL	9/16/2020	14.3	Y	Y				0.1	0.0309	mg/l
MW-210D	L2038499-04	NICKEL, TOTAL	9/16/2020	0.03283	Y	Y		J	J	0.002	0.00055	mg/l
MW-210D	L2038499-04	MANGANESE, TOTAL	9/16/2020	3.782	Y	Y				0.001	0.00044	mg/l
MW-210D	L2038499-04	IRON, TOTAL	9/16/2020	60.4	Y	Y				0.05	0.0191	mg/l
MW-210D	L2038499-04	ANTIMONY, TOTAL	9/16/2020		Y	N	U		U	0.004	0.00042	mg/l

SDG: L2038499

Analytical Method SW6020B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-210D	L2038499-04	BERYLLIUM, TOTAL	9/16/2020		Y	N	U		U	0.0005	0.0001	mg/l
MW-210D	L2038499-04	CADMIUM, TOTAL	9/16/2020		Y	N	U		U	0.0002	0.00005	mg/l
MW-210D	L2038499-04	COPPER, TOTAL	9/16/2020		Y	N	U		U	0.001	0.00038	mg/l
MW-210D	L2038499-04	LEAD, TOTAL	9/16/2020		Y	N	U		U	0.001	0.00034	mg/l
MW-210D	L2038499-04	CHROMIUM, TOTAL	9/16/2020	0.00215	Y	Y				0.001	0.00017	mg/l
MW-210D	L2038499-04	SILVER, TOTAL	9/16/2020		Y	N	U		U	0.0004	0.00016	mg/l
MW-210D	L2038499-04	CALCIUM, TOTAL	9/16/2020	156	Y	Y				0.1	0.0394	mg/l
MW-210D	L2038499-04	BARIUM, TOTAL	9/16/2020	0.04115	Y	Y				0.0005	0.00017	mg/l
MW-210D	L2038499-04	VANADIUM, TOTAL	9/16/2020		Y	N	U		U	0.005	0.00157	mg/l
MW-210D	L2038499-04	MAGNESIUM, TOTAL	9/16/2020	65.5	Y	Y				0.07	0.0242	mg/l
MW-210I	L2038499-05	COBALT, TOTAL	9/16/2020	0.00755	Y	Y				0.0005	0.00016	mg/l
MW-210I	L2038499-05	ARSENIC, TOTAL	9/16/2020	0.00122	Y	Y				0.0005	0.00016	mg/l
MW-210I	L2038499-05	CADMIUM, TOTAL	9/16/2020	0.00009	Y	Y	J		J	0.0002	0.00005	mg/l
MW-210I	L2038499-05	VANADIUM, TOTAL	9/16/2020	0.00227	Y	Y	J		J	0.005	0.00157	mg/l
MW-210I	L2038499-05	ALUMINUM, TOTAL	9/16/2020	1.96	Y	Y				0.015	0.00327	mg/l
MW-210I	L2038499-05	MAGNESIUM, TOTAL	9/16/2020	51.9	Y	Y				0.07	0.0242	mg/l
MW-210I	L2038499-05	ZINC, TOTAL	9/16/2020	0.01244	Y	Y				0.01	0.00341	mg/l
MW-210I	L2038499-05	SODIUM, TOTAL	9/16/2020	201	Y	Y				0.1	0.0293	mg/l
MW-210I	L2038499-05	POTASSIUM, TOTAL	9/16/2020	29.5	Y	Y				0.1	0.0309	mg/l
MW-210I	L2038499-05	ANTIMONY, TOTAL	9/16/2020		Y	N	U		U	0.004	0.00042	mg/l
MW-210I	L2038499-05	SELENIUM, TOTAL	9/16/2020		Y	N	U		U	0.005	0.00173	mg/l
MW-210I	L2038499-05	SILVER, TOTAL	9/16/2020		Y	N	U		U	0.0004	0.00016	mg/l
MW-210I	L2038499-05	CALCIUM, TOTAL	9/16/2020	198	Y	Y				0.1	0.0394	mg/l
MW-210I	L2038499-05	MANGANESE, TOTAL	9/16/2020	2.729	Y	Y				0.001	0.00044	mg/l
MW-210I	L2038499-05	BARIUM, TOTAL	9/16/2020	0.07543	Y	Y				0.0005	0.00017	mg/l

SDG: L2038499

Analytical Method SW6020B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-210I	L2038499-05	LEAD, TOTAL	9/16/2020	0.00566	Y	Y				0.001	0.00034	mg/l
MW-210I	L2038499-05	IRON, TOTAL	9/16/2020	36.7	Y	Y				0.05	0.0191	mg/l
MW-210I	L2038499-05	COPPER, TOTAL	9/16/2020	0.00189	Y	Y				0.001	0.00038	mg/l
MW-210I	L2038499-05	THALLIUM, TOTAL	9/16/2020		Y	N	J	U	U	0.0005	0.00014	mg/l
MW-210I	L2038499-05	CHROMIUM, TOTAL	9/16/2020	0.03711	Y	Y				0.001	0.00017	mg/l
MW-210I	L2038499-05	BERYLLIUM, TOTAL	9/16/2020	0.0008	Y	Y				0.0005	0.0001	mg/l
MW-210I	L2038499-05	NICKEL, TOTAL	9/16/2020	0.04344	Y	Y		J	J	0.002	0.00055	mg/l
MW-210S	L2038499-06	CADMIUM, TOTAL	9/16/2020		Y	N	U		U	0.0002	0.00005	mg/l
MW-210S	L2038499-06	MANGANESE, TOTAL	9/16/2020	2.178	Y	Y				0.001	0.00044	mg/l
MW-210S	L2038499-06	ZINC, TOTAL	9/16/2020	0.00534	Y	Y	J		J	0.01	0.00341	mg/l
MW-210S	L2038499-06	COPPER, TOTAL	9/16/2020	0.00068	Y	Y	J		J	0.001	0.00038	mg/l
MW-210S	L2038499-06	ANTIMONY, TOTAL	9/16/2020		Y	N	U		U	0.004	0.00042	mg/l
MW-210S	L2038499-06	BERYLLIUM, TOTAL	9/16/2020		Y	N	U		U	0.0005	0.0001	mg/l
MW-210S	L2038499-06	ARSENIC, TOTAL	9/16/2020	0.00027	Y	Y	J		J	0.0005	0.00016	mg/l
MW-210S	L2038499-06	IRON, TOTAL	9/16/2020	4.03	Y	Y				0.05	0.0191	mg/l
MW-210S	L2038499-06	THALLIUM, TOTAL	9/16/2020		Y	N	U		U	0.0005	0.00014	mg/l
MW-210S	L2038499-06	MAGNESIUM, TOTAL	9/16/2020	31.3	Y	Y				0.07	0.0242	mg/l
MW-210S	L2038499-06	LEAD, TOTAL	9/16/2020		Y	N	U		U	0.001	0.00034	mg/l
MW-210S	L2038499-06	SILVER, TOTAL	9/16/2020		Y	N	U		U	0.0004	0.00016	mg/l
MW-210S	L2038499-06	SELENIUM, TOTAL	9/16/2020		Y	N	U		U	0.005	0.00173	mg/l
MW-210S	L2038499-06	NICKEL, TOTAL	9/16/2020	0.03634	Y	Y		J	J	0.002	0.00055	mg/l
MW-210S	L2038499-06	POTASSIUM, TOTAL	9/16/2020	18.3	Y	Y				0.1	0.0309	mg/l
MW-210S	L2038499-06	SODIUM, TOTAL	9/16/2020	292	Y	Y				0.1	0.0293	mg/l
MW-210S	L2038499-06	VANADIUM, TOTAL	9/16/2020		Y	N	U		U	0.005	0.00157	mg/l
MW-210S	L2038499-06	CHROMIUM, TOTAL	9/16/2020	0.00617	Y	Y				0.001	0.00017	mg/l

SDG: L2038499

Analytical Method SW6020B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-210S	L2038499-06	CALCIUM, TOTAL	9/16/2020	78.5	Y	Y				0.1	0.0394	mg/l
MW-210S	L2038499-06	BARIUM, TOTAL	9/16/2020	0.06605	Y	Y				0.0005	0.00017	mg/l
MW-210S	L2038499-06	ALUMINUM, TOTAL	9/16/2020	0.078	Y	Y				0.015	0.00327	mg/l
MW-210S	L2038499-06	COBALT, TOTAL	9/16/2020	0.00826	Y	Y				0.0005	0.00016	mg/l

Analytical Method SW7470A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-204	L2038499-01	MERCURY, TOTAL	9/16/2020	0.00021	Y	Y				0.0002	0.00009	mg/l
MW-207D	L2038499-02	MERCURY, TOTAL	9/16/2020		Y	N	U		U	0.0002	0.00009	mg/l
MW-207S	L2038499-03	MERCURY, TOTAL	9/16/2020	0.00028	Y	Y				0.0002	0.00009	mg/l
MW-210D	L2038499-04	MERCURY, TOTAL	9/16/2020	0.00037	Y	Y				0.0002	0.00009	mg/l
MW-210I	L2038499-05	MERCURY, TOTAL	9/16/2020	0.00023	Y	Y				0.0002	0.00009	mg/l
MW-210S	L2038499-06	MERCURY, TOTAL	9/16/2020	0.00013	Y	Y	J		J	0.0002	0.00009	mg/l

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-204	L2038499-01	DICHLORODIFLUOROMETHANE	9/16/2020		Y	N	U		U	5	1	ug/l
MW-204	L2038499-01	BROMOMETHANE	9/16/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
MW-204	L2038499-01	METHYLENE CHLORIDE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	METHYL TERT BUTYL ETHER	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	ISOPROPYLBENZENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	HEXACHLOROBUTADIENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	ETHYL ETHER	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	1,2,3-TRICHLOROBENZENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	DIBROMOMETHANE	9/16/2020		Y	N	U		U	5	1	ug/l
MW-204	L2038499-01	ETHYLBENZENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l

SDG: L2038499

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-204	L2038499-01	BENZENE	9/16/2020		Y	N	U		U	0.5	0.16	ug/l
MW-204	L2038499-01	1,3-DICHLOROPROPENE, TOTAL	9/16/2020		Y	N	U		U	0.5	0.14	ug/l
MW-204	L2038499-01	1,4-DICHLOROBENZENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	1,4-DIOXANE	9/16/2020		Y	N	U	UJ	UJ	250	61	ug/l
MW-204	L2038499-01	2,2-DICHLOROPROPANE	9/16/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
MW-204	L2038499-01	2-HEXANONE	9/16/2020		Y	N	U		U	5	1	ug/l
MW-204	L2038499-01	CHLOROFORM	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	ACRYLONITRILE	9/16/2020		Y	N	U		U	5	1.5	ug/l
MW-204	L2038499-01	1,3,5-TRIMETHYLBENZENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	CHLOROBENZENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	BROMOBENZENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	CARBON DISULFIDE	9/16/2020		Y	N	U	UJ	UJ	5	1	ug/l
MW-204	L2038499-01	BROMOCHLOROMETHANE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	BROMODICHLOROMETHANE	9/16/2020		Y	N	U		U	0.5	0.19	ug/l
MW-204	L2038499-01	BROMOFORM	9/16/2020		Y	N	U		U	2	0.65	ug/l
MW-204	L2038499-01	4-METHYL-2-PENTANONE	9/16/2020		Y	N	U		U	5	1	ug/l
MW-204	L2038499-01	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	CHLOROMETHANE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	CHLOROETHANE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	1,1,1,2-TETRACHLOROETHANE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	1,2,3-TRICHLOROPROPANE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	1,2,4,5-TETRAMETHYLBENZENE	9/16/2020		Y	N	U		U	2	0.54	ug/l
MW-204	L2038499-01	1,3-DICHLOROPROPANE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	1,2,4-TRIMETHYLBENZENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l

SDG: L2038499

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-204	L2038499-01	1,3-DICHLOROBENZENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	1,2-DIBROMOETHANE	9/16/2020		Y	N	U		U	2	0.65	ug/l
MW-204	L2038499-01	1,2-DICHLOROBENZENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	1,2-DICHLOROETHANE	9/16/2020		Y	N	U		U	0.5	0.13	ug/l
MW-204	L2038499-01	1,2-DICHLOROETHENE (TOTAL)	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	1,2-DICHLOROPROPANE	9/16/2020		Y	N	U		U	1	0.14	ug/l
MW-204	L2038499-01	DIBROMOCHLOROMETHANE	9/16/2020		Y	N	U		U	0.5	0.15	ug/l
MW-204	L2038499-01	1,2,4-TRICHLOROBENZENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	1,1-DICHLOROETHENE	9/16/2020	7.5	Y	Y				0.5	0.17	ug/l
MW-204	L2038499-01	TRANS-1,3-DICHLOROPROPENE	9/16/2020		Y	N	U		U	0.5	0.16	ug/l
MW-204	L2038499-01	XYLENE (TOTAL)	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	1,1,2-TRICHLOROETHANE	9/16/2020		Y	N	U		U	1.5	0.5	ug/l
MW-204	L2038499-01	CIS-1,3-DICHLOROPROPENE	9/16/2020		Y	N	U		U	0.5	0.14	ug/l
MW-204	L2038499-01	CARBON TETRACHLORIDE	9/16/2020		Y	N	U		U	0.5	0.13	ug/l
MW-204	L2038499-01	VINYL CHLORIDE	9/16/2020	0.13	Y	Y	J		J	1	0.07	ug/l
MW-204	L2038499-01	TOLUENE	9/16/2020	0.78	Y	Y	J		J	2.5	0.7	ug/l
MW-204	L2038499-01	ACETONE	9/16/2020	3.9	Y	Y	J		J	5	1.5	ug/l
MW-204	L2038499-01	P-ISOPROPYLTOLUENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	4-ETHYLTOLUENE	9/16/2020		Y	N	U		U	2	0.7	ug/l
MW-204	L2038499-01	TRICHLOROFLUOROMETHANE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	1,1-DICHLOROETHANE	9/16/2020	12	Y	Y				2.5	0.7	ug/l
MW-204	L2038499-01	VINYL ACETATE	9/16/2020		Y	N	U		U	5	1	ug/l
MW-204	L2038499-01	2-BUTANONE	9/16/2020	41	Y	Y				5	1.9	ug/l
MW-204	L2038499-01	N-BUTYLBENZENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	N-PROPYLBENZENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l

SDG: L2038499

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-204	L2038499-01	O-CHLOROTOLUENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	O-XYLENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	UNKNOWN	9/16/2020		Y	N	J	U	U	1.94		
MW-204	L2038499-01	P-CHLOROTOLUENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	TOTAL TIC COMPOUNDS	9/16/2020	1.94	Y	Y	J		J			
MW-204	L2038499-01	1,4-DIETHYLBENZENE	9/16/2020		Y	N	U		U	2	0.7	ug/l
MW-204	L2038499-01	TRICHLOROETHENE	9/16/2020	4.1	Y	Y				0.5	0.18	ug/l
MW-204	L2038499-01	1,1,1-TRICHLOROETHANE	9/16/2020	5.2	Y	Y				2.5	0.7	ug/l
MW-204	L2038499-01	1,1-DICHLOROPROPENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	CIS-1,2-DICHLOROETHENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	P/M-XYLENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	SEC-BUTYLBENZENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	TERT-BUTYLBENZENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	TETRACHLOROETHENE	9/16/2020	1.3	Y	Y				0.5	0.18	ug/l
MW-204	L2038499-01	1,1,2,2-TETRACHLOROETHANE	9/16/2020		Y	N	U		U	0.5	0.17	ug/l
MW-204	L2038499-01	NAPHTHALENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	STYRENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-204	L2038499-01	TRANS-1,2-DICHLOROETHENE	9/16/2020		Y	N	U		U	2.5	0.7	ug/l
MW-207D	L2038499-02	TERT-BUTYLBENZENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	CIS-1,3-DICHLOROPROPENE	9/16/2020		Y	N	U		U	100	29	ug/l
MW-207D	L2038499-02	N-BUTYLBENZENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	N-PROPYLBENZENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	O-CHLOROTOLUENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	O-XYLENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	1,2,4-TRICHLOROBENZENE	9/16/2020		Y	N	U		U	500	140	ug/l

SDG: L2038499

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-207D	L2038499-02	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	CIS-1,2-DICHLOROETHENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	HEXACHLOROBUTADIENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	P-CHLOROTOLUENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	STYRENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	TOLUENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	TRICHLOROFLUOROMETHANE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	1,4-DIETHYLBENZENE	9/16/2020		Y	N	U		U	400	140	ug/l
MW-207D	L2038499-02	4-ETHYLTOLUENE	9/16/2020		Y	N	U		U	400	140	ug/l
MW-207D	L2038499-02	P-ISOPROPYLTOLUENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	TRANS-1,3-DICHLOROPROPENE	9/16/2020		Y	N	U		U	100	33	ug/l
MW-207D	L2038499-02	P/M-XYLENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	TRANS-1,2-DICHLOROETHENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	VINYL CHLORIDE	9/16/2020		Y	N	U		U	200	14	ug/l
MW-207D	L2038499-02	XYLENE (TOTAL)	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	ISOPROPYLBENZENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	METHYL TERT BUTYL ETHER	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	METHYLENE CHLORIDE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	NAPHTHALENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	SEC-BUTYLBENZENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	VINYL ACETATE	9/16/2020		Y	N	U		U	1000	200	ug/l
MW-207D	L2038499-02	1,2-DIBROMOETHANE	9/16/2020		Y	N	U		U	400	130	ug/l
MW-207D	L2038499-02	1,4-DICHLOROBENZENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	1,3-DICHLOROPROPENE, TOTAL	9/16/2020		Y	N	U		U	100	29	ug/l
MW-207D	L2038499-02	1,3-DICHLOROPROPANE	9/16/2020		Y	N	U		U	500	140	ug/l

SDG: L2038499

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-207D	L2038499-02	1,3-DICHLOROBENZENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	1,3,5-TRIMETHYLBENZENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	1,2-DICHLOROPROPANE	9/16/2020		Y	N	U		U	200	27	ug/l
MW-207D	L2038499-02	1,2-DICHLOROETHENE (TOTAL)	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	1,2-DICHLOROBENZENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	2-HEXANONE	9/16/2020		Y	N	U		U	1000	200	ug/l
MW-207D	L2038499-02	1,2,4-TRIMETHYLBENZENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	1,2,4,5-TETRAMETHYLBENZENE	9/16/2020		Y	N	U		U	400	110	ug/l
MW-207D	L2038499-02	1,2,3-TRICHLOROPROPANE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	1,2,3-TRICHLOROBENZENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	1,1-DICHLOROPROPENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	1,1,2-TRICHLOROETHANE	9/16/2020		Y	N	U		U	300	100	ug/l
MW-207D	L2038499-02	1,1,2,2-TETRACHLOROETHANE	9/16/2020		Y	N	U		U	100	33	ug/l
MW-207D	L2038499-02	1,1,1,2-TETRACHLOROETHANE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	1,2-DICHLOROETHANE	9/16/2020		Y	N	U		U	100	26	ug/l
MW-207D	L2038499-02	BROMOMETHANE	9/16/2020		Y	N	U	UJ	UJ	500	140	ug/l
MW-207D	L2038499-02	ETHYL ETHER	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	DICHLORODIFLUOROMETHANE	9/16/2020		Y	N	U		U	1000	200	ug/l
MW-207D	L2038499-02	DIBROMOMETHANE	9/16/2020		Y	N	U		U	1000	200	ug/l
MW-207D	L2038499-02	DIBROMOCHLOROMETHANE	9/16/2020		Y	N	U		U	100	30	ug/l
MW-207D	L2038499-02	CHLOROMETHANE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	CHLOROFORM	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	CHLOROETHANE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	CHLOROBENZENE	9/16/2020		Y	N	U		U	500	140	ug/l

SDG: L2038499

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-207D	L2038499-02	1,4-DIOXANE	9/16/2020		Y	N	U	UJ	UJ	50000	12000	ug/l
MW-207D	L2038499-02	CARBON DISULFIDE	9/16/2020		Y	N	U	UJ	UJ	1000	200	ug/l
MW-207D	L2038499-02	2,2-DICHLOROPROPANE	9/16/2020		Y	N	U	UJ	UJ	500	140	ug/l
MW-207D	L2038499-02	BROMOFORM	9/16/2020		Y	N	U		U	400	130	ug/l
MW-207D	L2038499-02	BROMODICHLOROMETHANE	9/16/2020		Y	N	U		U	100	38	ug/l
MW-207D	L2038499-02	BROMOCHLOROMETHANE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	BROMOBENZENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	BENZENE	9/16/2020		Y	N	U		U	100	32	ug/l
MW-207D	L2038499-02	ACRYLONITRILE	9/16/2020		Y	N	U		U	1000	300	ug/l
MW-207D	L2038499-02	4-METHYL-2-PENTANONE	9/16/2020		Y	N	U		U	1000	200	ug/l
MW-207D	L2038499-02	ETHYLBENZENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207D	L2038499-02	CARBON TETRACHLORIDE	9/16/2020		Y	N	U		U	100	27	ug/l
MW-207D	L2038499-02	1,1,1-TRICHLOROETHANE	9/16/2020	32000	Y	Y				500	140	ug/l
MW-207D	L2038499-02	2-BUTANONE	9/16/2020	700	Y	Y	J		J	1000	390	ug/l
MW-207D	L2038499-02	TETRACHLOROETHENE	9/16/2020	37	Y	Y	J		J	100	36	ug/l
MW-207D	L2038499-02	TRICHLOROETHENE	9/16/2020	1000	Y	Y				100	35	ug/l
MW-207D	L2038499-02	ACETONE	9/16/2020	1100	Y	Y				1000	290	ug/l
MW-207D	L2038499-02	1,1-DICHLOROETHENE	9/16/2020	2800	Y	Y				100	34	ug/l
MW-207D	L2038499-02	1,1-DICHLOROETHANE	9/16/2020	580	Y	Y				500	140	ug/l
MW-207S	L2038499-03	2-HEXANONE	9/16/2020		Y	N	U		U	5000	1000	ug/l
MW-207S	L2038499-03	2,2-DICHLOROPROPANE	9/16/2020		Y	N	U	UJ	UJ	2500	700	ug/l
MW-207S	L2038499-03	1,4-DIOXANE	9/16/2020		Y	N	U	UJ	UJ	250000	61000	ug/l
MW-207S	L2038499-03	1,4-DICHLOROBENZENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	1,3-DICHLOROPROPENE, TOTAL	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207S	L2038499-03	1,3-DICHLOROPROPANE	9/16/2020		Y	N	U		U	2500	700	ug/l

SDG: L2038499

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-207S	L2038499-03	1,3-DICHLOROBENZENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	1,2,4-TRIMETHYLBENZENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	1,2-DICHLOROPROPANE	9/16/2020		Y	N	U		U	1000	140	ug/l
MW-207S	L2038499-03	TRICHLOROETHENE	9/16/2020	520	Y	Y				500	180	ug/l
MW-207S	L2038499-03	1,2-DICHLOROETHENE (TOTAL)	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	1,2-DICHLOROETHANE	9/16/2020		Y	N	U		U	500	130	ug/l
MW-207S	L2038499-03	1,2-DICHLOROBENZENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	1,2-DIBROMOETHANE	9/16/2020		Y	N	U		U	2000	650	ug/l
MW-207S	L2038499-03	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	1,3,5-TRIMETHYLBENZENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	BROMOFORM	9/16/2020		Y	N	U		U	2000	650	ug/l
MW-207S	L2038499-03	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	DIBROMOMETHANE	9/16/2020		Y	N	U		U	5000	1000	ug/l
MW-207S	L2038499-03	DIBROMOCHLOROMETHANE	9/16/2020		Y	N	U		U	500	150	ug/l
MW-207S	L2038499-03	CHLOROMETHANE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	CHLOROFORM	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	CHLOROETHANE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	CHLOROBENZENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	CARBON TETRACHLORIDE	9/16/2020		Y	N	U		U	500	130	ug/l
MW-207S	L2038499-03	4-METHYL-2-PENTANONE	9/16/2020		Y	N	U		U	5000	1000	ug/l
MW-207S	L2038499-03	BROMOMETHANE	9/16/2020		Y	N	U	UJ	UJ	2500	700	ug/l
MW-207S	L2038499-03	1,1,1,2-TETRACHLOROETHANE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	BROMODICHLOROMETHANE	9/16/2020		Y	N	U		U	500	190	ug/l
MW-207S	L2038499-03	BROMOCHLOROMETHANE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	BROMOBENZENE	9/16/2020		Y	N	U		U	2500	700	ug/l

SDG: L2038499

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-207S	L2038499-03	BENZENE	9/16/2020		Y	N	U		U	500	160	ug/l
MW-207S	L2038499-03	ACRYLONITRILE	9/16/2020		Y	N	U		U	5000	1500	ug/l
MW-207S	L2038499-03	1,1,1-TRICHLOROETHANE	9/16/2020	140000	Y	Y				2500	700	ug/l
MW-207S	L2038499-03	1,1-DICHLOROETHENE	9/16/2020	1600	Y	Y				500	170	ug/l
MW-207S	L2038499-03	ACETONE	9/16/2020	5000	Y	Y				5000	1500	ug/l
MW-207S	L2038499-03	CARBON DISULFIDE	9/16/2020		Y	N	U	UJ	UJ	5000	1000	ug/l
MW-207S	L2038499-03	NAPHTHALENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	1,2,4,5-TETRAMETHYLBENZENE	9/16/2020		Y	N	U		U	2000	540	ug/l
MW-207S	L2038499-03	CIS-1,2-DICHLOROETHENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	XYLENE (TOTAL)	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	VINYL CHLORIDE	9/16/2020		Y	N	U		U	1000	71	ug/l
MW-207S	L2038499-03	VINYL ACETATE	9/16/2020		Y	N	U		U	5000	1000	ug/l
MW-207S	L2038499-03	TRICHLOROFLUOROMETHANE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	TOLUENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	N-BUTYLBENZENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	STYRENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	N-PROPYLBENZENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	METHYLENE CHLORIDE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	METHYL TERT BUTYL ETHER	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	ISOPROPYLBENZENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	HEXACHLOROBUTADIENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	ETHYLBENZENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	ETHYL ETHER	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	1,1,2-TRICHLOROETHANE	9/16/2020		Y	N	U		U	1500	500	ug/l
MW-207S	L2038499-03	1,1,2,2-TETRACHLOROETHANE	9/16/2020		Y	N	U		U	500	170	ug/l

SDG: L2038499

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-207S	L2038499-03	TETRACHLOROETHENE	9/16/2020		Y	N	U		U	500	180	ug/l
MW-207S	L2038499-03	TERT-BUTYLBENZENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	DICHLORODIFLUOROMETHANE	9/16/2020		Y	N	U		U	5000	1000	ug/l
MW-207S	L2038499-03	2-BUTANONE	9/16/2020	3200	Y	Y	J		J	5000	1900	ug/l
MW-207S	L2038499-03	1,2,3-TRICHLOROPROPANE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	1,2,3-TRICHLOROBENZENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	1,1-DICHLOROPROPENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	1,1-DICHLOROETHANE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	CIS-1,3-DICHLOROPROPENE	9/16/2020		Y	N	U		U	500	140	ug/l
MW-207S	L2038499-03	TRANS-1,2-DICHLOROETHENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	1,2,4-TRICHLOROBENZENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	SEC-BUTYLBENZENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	P/M-XYLENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	P-ISOPROPYLTOLUENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	4-ETHYLTOLUENE	9/16/2020		Y	N	U		U	2000	700	ug/l
MW-207S	L2038499-03	1,4-DIETHYLBENZENE	9/16/2020		Y	N	U		U	2000	700	ug/l
MW-207S	L2038499-03	P-CHLOROTOLUENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	O-XYLENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	O-CHLOROTOLUENE	9/16/2020		Y	N	U		U	2500	700	ug/l
MW-207S	L2038499-03	TRANS-1,3-DICHLOROPROPENE	9/16/2020		Y	N	U		U	500	160	ug/l
MW-210D	L2038499-04	2,2-DICHLOROPROPANE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	CHLOROETHANE	9/16/2020		Y	N	U	UJ	UJ	120	35	ug/l
MW-210D	L2038499-04	BENZENE	9/16/2020		Y	N	U		U	25	8	ug/l
MW-210D	L2038499-04	BROMOBENZENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	BROMOCHLOROMETHANE	9/16/2020		Y	N	U		U	120	35	ug/l

SDG: L2038499

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-210D	L2038499-04	BROMODICHLOROMETHANE	9/16/2020		Y	N	U		U	25	9.6	ug/l
MW-210D	L2038499-04	BROMOFORM	9/16/2020		Y	N	U		U	100	32	ug/l
MW-210D	L2038499-04	BROMOMETHANE	9/16/2020		Y	N	U	UJ	UJ	120	35	ug/l
MW-210D	L2038499-04	CARBON DISULFIDE	9/16/2020		Y	N	U		U	250	50	ug/l
MW-210D	L2038499-04	1,4-DICHLOROBENZENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	CHLOROBENZENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	2-HEXANONE	9/16/2020		Y	N	U	UJ	UJ	250	50	ug/l
MW-210D	L2038499-04	CHLOROFORM	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	CHLOROMETHANE	9/16/2020		Y	N	U	UJ	UJ	120	35	ug/l
MW-210D	L2038499-04	DIBROMOCHLOROMETHANE	9/16/2020		Y	N	U		U	25	7.4	ug/l
MW-210D	L2038499-04	DIBROMOMETHANE	9/16/2020		Y	N	U		U	250	50	ug/l
MW-210D	L2038499-04	NAPHTHALENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	1,2-DICHLOROETHANE	9/16/2020	22	Y	Y	J		J	25	6.6	ug/l
MW-210D	L2038499-04	2-BUTANONE	9/16/2020	150	Y	Y	J		J	250	97	ug/l
MW-210D	L2038499-04	TOLUENE	9/16/2020	110	Y	Y	J		J	120	35	ug/l
MW-210D	L2038499-04	CARBON TETRACHLORIDE	9/16/2020		Y	N	U		U	25	6.7	ug/l
MW-210D	L2038499-04	1,2-DICHLOROBENZENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	1,1,2,2-TETRACHLOROETHANE	9/16/2020		Y	N	U		U	25	8.4	ug/l
MW-210D	L2038499-04	1,1,2-TRICHLOROETHANE	9/16/2020		Y	N	U		U	75	25	ug/l
MW-210D	L2038499-04	1,1-DICHLOROPROPENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	1,2,3-TRICHLOROBENZENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	1,2,3-TRICHLOROPROPANE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	1,2,4,5-TETRAMETHYLBENZENE	9/16/2020		Y	N	U		U	100	27	ug/l
MW-210D	L2038499-04	1,2,4-TRICHLOROBENZENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	1,2,4-TRIMETHYLBENZENE	9/16/2020		Y	N	U		U	120	35	ug/l

SDG: L2038499

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-210D	L2038499-04	ACRYLONITRILE	9/16/2020		Y	N	U		U	250	75	ug/l
MW-210D	L2038499-04	1,2-DIBROMOETHANE	9/16/2020		Y	N	U		U	100	32	ug/l
MW-210D	L2038499-04	4-METHYL-2-PENTANONE	9/16/2020		Y	N	U	UJ	UJ	250	50	ug/l
MW-210D	L2038499-04	1,2-DICHLOROETHENE (TOTAL)	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	1,2-DICHLOROPROPANE	9/16/2020		Y	N	U		U	50	6.8	ug/l
MW-210D	L2038499-04	1,3,5-TRIMETHYLBENZENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	1,3-DICHLOROBENZENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	1,3-DICHLOROPROPANE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	1,3-DICHLOROPROPENE, TOTAL	9/16/2020		Y	N	U		U	25	7.2	ug/l
MW-210D	L2038499-04	1,4-DIOXANE	9/16/2020		Y	N	U	UJ	UJ	12000	3000	ug/l
MW-210D	L2038499-04	1,1,1,2-TETRACHLOROETHANE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	1,4-DIETHYLBENZENE	9/16/2020		Y	N	U		U	100	35	ug/l
MW-210D	L2038499-04	4-ETHYLTOLUENE	9/16/2020		Y	N	U		U	100	35	ug/l
MW-210D	L2038499-04	P-ISOPROPYLTOLUENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	P/M-XYLENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	SEC-BUTYLBENZENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	TERT-BUTYLBENZENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	P-CHLOROTOLUENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	TRANS-1,3-DICHLOROPROPENE	9/16/2020		Y	N	U		U	25	8.2	ug/l
MW-210D	L2038499-04	1,1-DICHLOROETHENE	9/16/2020	3700	Y	Y				25	8.4	ug/l
MW-210D	L2038499-04	TRICHLOROETHENE	9/16/2020	1800	Y	Y				25	8.8	ug/l
MW-210D	L2038499-04	TETRACHLOROETHENE	9/16/2020	36	Y	Y				25	9	ug/l
MW-210D	L2038499-04	ACETONE	9/16/2020	260	Y	Y				250	73	ug/l

SDG: L2038499

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-210D	L2038499-04	1,1-DICHLOROETHANE	9/16/2020	430	Y	Y				120	35	ug/l
MW-210D	L2038499-04	METHYL TERT BUTYL ETHER	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	DICHLORODIFLUOROMETHANE	9/16/2020		Y	N	U	UJ	UJ	250	50	ug/l
MW-210D	L2038499-04	TRANS-1,2-DICHLOROETHENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	ISOPROPYLBENZENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	ETHYL ETHER	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	O-XYLENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	HEXACHLOROBUTADIENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	ETHYLBENZENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	METHYLENE CHLORIDE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	STYRENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	TRICHLOROFLUOROMETHANE	9/16/2020		Y	N	U	UJ	UJ	120	35	ug/l
MW-210D	L2038499-04	CIS-1,2-DICHLOROETHENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	N-PROPYLBENZENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	VINYL ACETATE	9/16/2020		Y	N	U	UJ	UJ	250	50	ug/l
MW-210D	L2038499-04	O-CHLOROTOLUENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	CIS-1,3-DICHLOROPROPENE	9/16/2020		Y	N	U		U	25	7.2	ug/l
MW-210D	L2038499-04	XYLENE (TOTAL)	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	VINYL CHLORIDE	9/16/2020		Y	N	U		U	50	3.6	ug/l
MW-210D	L2038499-04	N-BUTYLBENZENE	9/16/2020		Y	N	U		U	120	35	ug/l
MW-210D	L2038499-04	1,1,1-TRICHLOROETHANE	9/16/2020	12000	Y	Y				500	140	ug/l
MW-210I	L2038499-05	TRICHLOROFLUOROMETHANE	9/16/2020		Y	N	U	UJ	UJ	50	14	ug/l
MW-210I	L2038499-05	HEXACHLOROBUTADIENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	VINYL ACETATE	9/16/2020		Y	N	U	UJ	UJ	100	20	ug/l
MW-210I	L2038499-05	NAPHTHALENE	9/16/2020		Y	N	U		U	50	14	ug/l

SDG: L2038499

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-210I	L2038499-05	VINYL CHLORIDE	9/16/2020		Y	N	U		U	20	1.4	ug/l
MW-210I	L2038499-05	XYLENE (TOTAL)	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	STYRENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	METHYLENE CHLORIDE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	ETHYL ETHER	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	ISOPROPYLBENZENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	ETHYLBENZENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	CIS-1,2-DICHLOROETHENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	DICHLORODIFLUOROMETHANE	9/16/2020		Y	N	U	UJ	UJ	100	20	ug/l
MW-210I	L2038499-05	DIBROMOMETHANE	9/16/2020		Y	N	U		U	100	20	ug/l
MW-210I	L2038499-05	DIBROMOCHLOROMETHANE	9/16/2020		Y	N	U		U	10	3	ug/l
MW-210I	L2038499-05	CHLOROMETHANE	9/16/2020		Y	N	U	UJ	UJ	50	14	ug/l
MW-210I	L2038499-05	METHYL TERT BUTYL ETHER	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	TERT-BUTYLBENZENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	TRICHLOROETHENE	9/16/2020	3600	Y	Y				10	3.5	ug/l
MW-210I	L2038499-05	TETRACHLOROETHENE	9/16/2020	15	Y	Y				10	3.6	ug/l
MW-210I	L2038499-05	1,1-DICHLOROETHENE	9/16/2020	1200	Y	Y				10	3.4	ug/l
MW-210I	L2038499-05	1,1-DICHLOROETHANE	9/16/2020	180	Y	Y				50	14	ug/l
MW-210I	L2038499-05	1,4-DIETHYLBENZENE	9/16/2020		Y	N	U		U	40	14	ug/l
MW-210I	L2038499-05	CHLOROFORM	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	4-ETHYLTOLUENE	9/16/2020		Y	N	U		U	40	14	ug/l
MW-210I	L2038499-05	TRANS-1,2-DICHLOROETHENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	CIS-1,3-DICHLOROPROPENE	9/16/2020		Y	N	U		U	10	2.9	ug/l
MW-210I	L2038499-05	SEC-BUTYLBENZENE	9/16/2020		Y	N	U		U	50	14	ug/l

SDG: L2038499

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-210I	L2038499-05	P/M-XYLENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	P-CHLOROTOLUENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	O-XYLENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	O-CHLOROTOLUENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	N-PROPYLBENZENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	N-BUTYLBENZENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	TRANS-1,3-DICHLOROPROPENE	9/16/2020		Y	N	U		U	10	3.3	ug/l
MW-210I	L2038499-05	1,1,2-TRICHLOROETHANE	9/16/2020		Y	N	U		U	30	10	ug/l
MW-210I	L2038499-05	1,3-DICHLOROPROPANE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	1,3-DICHLOROBENZENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	1,3,5-TRIMETHYLBENZENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	1,2-DICHLOROPROPANE	9/16/2020		Y	N	U		U	20	2.7	ug/l
MW-210I	L2038499-05	1,2-DICHLOROETHENE (TOTAL)	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	1,2-DICHLOROBENZENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	1,2-DIBROMOETHANE	9/16/2020		Y	N	U		U	40	13	ug/l
MW-210I	L2038499-05	1,3-DICHLOROPROPENE, TOTAL	9/16/2020		Y	N	U		U	10	2.9	ug/l
MW-210I	L2038499-05	1,1,1,2-TETRACHLOROETHANE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	1,1,2,2-TETRACHLOROETHANE	9/16/2020		Y	N	U		U	10	3.3	ug/l
MW-210I	L2038499-05	1,1-DICHLOROPROPENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	1,2,3-TRICHLOROBENZENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	1,2,3-TRICHLOROPROPANE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	1,2,4,5-TETRAMETHYLBENZENE	9/16/2020		Y	N	U		U	40	11	ug/l
MW-210I	L2038499-05	1,2,4-TRICHLOROBENZENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	1,2,4-TRIMETHYLBENZENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	CHLOROETHANE	9/16/2020		Y	N	U	UJ	UJ	50	14	ug/l

SDG: L2038499

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-210I	L2038499-05	P-ISOPROPYLTOLUENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	BENZENE	9/16/2020		Y	N	U		U	10	3.2	ug/l
MW-210I	L2038499-05	CARBON TETRACHLORIDE	9/16/2020		Y	N	U		U	10	2.7	ug/l
MW-210I	L2038499-05	CHLOROBENZENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	CARBON DISULFIDE	9/16/2020		Y	N	U		U	100	20	ug/l
MW-210I	L2038499-05	BROMOMETHANE	9/16/2020		Y	N	U	UJ	UJ	50	14	ug/l
MW-210I	L2038499-05	BROMOFORM	9/16/2020		Y	N	U		U	40	13	ug/l
MW-210I	L2038499-05	BROMODICHLOROMETHANE	9/16/2020		Y	N	U		U	10	3.8	ug/l
MW-210I	L2038499-05	BROMOCHLOROMETHANE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	BROMOBENZENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	ACRYLONITRILE	9/16/2020		Y	N	U		U	100	30	ug/l
MW-210I	L2038499-05	1,2-DICHLOROETHANE	9/16/2020	6.3	Y	Y	J		J	10	2.6	ug/l
MW-210I	L2038499-05	2-BUTANONE	9/16/2020	57	Y	Y	J		J	100	39	ug/l
MW-210I	L2038499-05	TOLUENE	9/16/2020	24	Y	Y	J		J	50	14	ug/l
MW-210I	L2038499-05	4-METHYL-2-PENTANONE	9/16/2020		Y	N	U	UJ	UJ	100	20	ug/l
MW-210I	L2038499-05	2-HEXANONE	9/16/2020		Y	N	U	UJ	UJ	100	20	ug/l
MW-210I	L2038499-05	2,2-DICHLOROPROPANE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	1,4-DIOXANE	9/16/2020		Y	N	U	UJ	UJ	5000	1200	ug/l
MW-210I	L2038499-05	1,4-DICHLOROBENZENE	9/16/2020		Y	N	U		U	50	14	ug/l
MW-210I	L2038499-05	ACETONE	9/16/2020	89	Y	Y	J		J	100	29	ug/l
MW-210I	L2038499-05	1,1,1-TRICHLOROETHANE	9/16/2020	4200	Y	Y				250	70	ug/l
MW-210S	L2038499-06	METHYL TERT BUTYL ETHER	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	N-BUTYLBENZENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	CIS-1,3-DICHLOROPROPENE	9/16/2020		Y	N	U		U	2.5	0.72	ug/l

SDG: L2038499

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-210S	L2038499-06	CIS-1,2-DICHLOROETHENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	VINYL CHLORIDE	9/16/2020		Y	N	U		U	5	0.36	ug/l
MW-210S	L2038499-06	ETHYLBENZENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	VINYL ACETATE	9/16/2020		Y	N	U	UJ	UJ	25	5	ug/l
MW-210S	L2038499-06	HEXACHLOROBUTADIENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	TRICHLOROFLUOROMETHANE	9/16/2020		Y	N	U	UJ	UJ	12	3.5	ug/l
MW-210S	L2038499-06	NAPHTHALENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	ISOPROPYLBENZENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	N-PROPYLBENZENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	TRANS-1,3-DICHLOROPROPENE	9/16/2020		Y	N	U		U	2.5	0.82	ug/l
MW-210S	L2038499-06	METHYLENE CHLORIDE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	STYRENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	TRANS-1,2-DICHLOROETHENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	ACETONE	9/16/2020	52	Y	Y				25	7.3	ug/l
MW-210S	L2038499-06	1,1-DICHLOROETHENE	9/16/2020	440	Y	Y				2.5	0.84	ug/l
MW-210S	L2038499-06	1,1-DICHLOROETHANE	9/16/2020	62	Y	Y				12	3.5	ug/l
MW-210S	L2038499-06	1,1,1-TRICHLOROETHANE	9/16/2020	980	Y	Y				12	3.5	ug/l
MW-210S	L2038499-06	BROMOCHLOROMETHANE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	ETHYL ETHER	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	TERT-BUTYLBENZENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	TETRACHLOROETHENE	9/16/2020	8.3	Y	Y				2.5	0.9	ug/l
MW-210S	L2038499-06	O-CHLOROTOLUENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	SEC-BUTYLBENZENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	P-ISOPROPYLTOLUENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	4-ETHYLTOLUENE	9/16/2020		Y	N	U		U	10	3.5	ug/l

SDG: L2038499

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-210S	L2038499-06	1,4-DIETHYLBENZENE	9/16/2020		Y	N	U		U	10	3.5	ug/l
MW-210S	L2038499-06	P-CHLOROTOLUENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	O-XYLENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	TRANS-1,4-DICHLORO-2-BUTENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	1,1-DICHLOROPROPENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	1,2-DICHLOROPROPANE	9/16/2020		Y	N	U		U	5	0.68	ug/l
MW-210S	L2038499-06	DICHLORODIFLUOROMETHANE	9/16/2020		Y	N	U	UJ	UJ	25	5	ug/l
MW-210S	L2038499-06	1,2-DICHLOROBENZENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	BROMOFORM	9/16/2020		Y	N	U		U	10	3.2	ug/l
MW-210S	L2038499-06	1,2-DIBROMO-3-CHLOROPROPANE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	1,2,4-TRIMETHYLBENZENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	1,2,4-TRICHLOROBENZENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	1,2,4,5-TETRAMETHYLBENZENE	9/16/2020		Y	N	U		U	10	2.7	ug/l
MW-210S	L2038499-06	1,3,5-TRIMETHYLBENZENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	1,2,3-TRICHLOROBENZENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	1,2-DICHLOROETHENE (TOTAL)	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	1,1,2-TRICHLOROETHANE	9/16/2020		Y	N	U		U	7.5	2.5	ug/l
MW-210S	L2038499-06	1,1,2,2-TETRACHLOROETHANE	9/16/2020		Y	N	U		U	2.5	0.84	ug/l
MW-210S	L2038499-06	1,1,1,2-TETRACHLOROETHANE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	P/M-XYLENE	9/16/2020	3.5	Y	Y	J		J	12	3.5	ug/l
MW-210S	L2038499-06	XYLENE (TOTAL)	9/16/2020	3.5	Y	Y	J		J	12	3.5	ug/l
MW-210S	L2038499-06	TOLUENE	9/16/2020	4.7	Y	Y	J		J	12	3.5	ug/l
MW-210S	L2038499-06	2-BUTANONE	9/16/2020	23	Y	Y	J		J	25	9.7	ug/l
MW-210S	L2038499-06	1,2-DICHLOROETHANE	9/16/2020	2.4	Y	Y	J		J	2.5	0.66	ug/l
MW-210S	L2038499-06	1,2,3-TRICHLOROPROPANE	9/16/2020		Y	N	U		U	12	3.5	ug/l

SDG: L2038499

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-210S	L2038499-06	BROMODICHLOROMETHANE	9/16/2020		Y	N	U		U	2.5	0.96	ug/l
MW-210S	L2038499-06	DIBROMOMETHANE	9/16/2020		Y	N	U		U	25	5	ug/l
MW-210S	L2038499-06	DIBROMOCHLOROMETHANE	9/16/2020		Y	N	U		U	2.5	0.74	ug/l
MW-210S	L2038499-06	CHLOROMETHANE	9/16/2020		Y	N	U	UJ	UJ	12	3.5	ug/l
MW-210S	L2038499-06	CHLOROFORM	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	CHLOROETHANE	9/16/2020		Y	N	U	UJ	UJ	12	3.5	ug/l
MW-210S	L2038499-06	CHLOROBENZENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	CARBON TETRACHLORIDE	9/16/2020		Y	N	U		U	2.5	0.67	ug/l
MW-210S	L2038499-06	CARBON DISULFIDE	9/16/2020		Y	N	U		U	25	5	ug/l
MW-210S	L2038499-06	1,2-DIBROMOETHANE	9/16/2020		Y	N	U		U	10	3.2	ug/l
MW-210S	L2038499-06	BROMOMETHANE	9/16/2020		Y	N	U	UJ	UJ	12	3.5	ug/l
MW-210S	L2038499-06	1,3-DICHLOROBENZENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	2,2-DICHLOROPROPANE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	BENZENE	9/16/2020		Y	N	U		U	2.5	0.8	ug/l
MW-210S	L2038499-06	ACRYLONITRILE	9/16/2020		Y	N	U		U	25	7.5	ug/l
MW-210S	L2038499-06	4-METHYL-2-PENTANONE	9/16/2020		Y	N	U	UJ	UJ	25	5	ug/l
MW-210S	L2038499-06	2-HEXANONE	9/16/2020		Y	N	U	UJ	UJ	25	5	ug/l
MW-210S	L2038499-06	BROMOBENZENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	1,3-DICHLOROPROPANE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	1,3-DICHLOROPROPENE, TOTAL	9/16/2020		Y	N	U		U	2.5	0.72	ug/l
MW-210S	L2038499-06	1,4-DIOXANE	9/16/2020		Y	N	U	UJ	UJ	1200	300	ug/l
MW-210S	L2038499-06	1,4-DICHLOROBENZENE	9/16/2020		Y	N	U		U	12	3.5	ug/l
MW-210S	L2038499-06	TRICHLOROETHENE	9/16/2020	1700	Y	Y				10	3.5	ug/l

SDG: L2038499

Analytical Method SW8270DSIM

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-204	L2038499-01	1,4-DIOXANE	9/16/2020	828	Y	Y				144	32.6	ng/l
MW-207D	L2038499-02	1,4-DIOXANE	9/16/2020	86800	Y	Y				139	31.4	ng/l
MW-207S	L2038499-03	1,4-DIOXANE	9/17/2020	43800	Y	Y				139	31.4	ng/l
MW-210D	L2038499-04	1,4-DIOXANE	9/16/2020	151000	Y	Y				144	32.6	ng/l
MW-210I	L2038499-05	1,4-DIOXANE	9/17/2020	294000	Y	Y				288	65.2	ng/l
MW-210S	L2038499-06	1,4-DIOXANE	9/17/2020	240000	Y	Y				326	73.7	ng/l

Site: 33 Centre Avenue
Laboratory: Alpha Analytical, Inc.
Report No.: L2038800
Reviewer: Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date: October 22, 2020

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-208D	L2038800-01	VOC, 1,4-Dioxane, PFAS
MW-208DDL	L2038800-01DL	PFAS
MW-208S	L2038800-02	VOC, 1,4-Dioxane, PFAS
DUP-1	L2038800-03	VOC, 1,4-Dioxane, PFAS
TRIP BLANK	L2038800-04	VOC
FIELD BLANK	L2038800-05	VOC, 1,4-Dioxane, PFAS
MW-208SDUP	L2038800-02DUP	PFAS

Associated QC Samples(s):
Field/Trip Blanks: TRIP BLANK, FIELD BLANK
Field Duplicate pair: MW-208S and DUP-1

The above-listed water samples were collected on September 16, 2020 and were analyzed for volatile organic compounds (VOC) by SW-846 method 8260C, 1,4-dioxane by SW-846 method 8270D in selected ion monitoring (SIM) mode, and perfluoroalkyl and polyfluoroalkyl substances (PFAS) by method 537 modified. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C,* SOP HW-24, Revision 4 (October 2014), the USEPA Region 2 *Standard Operating Procedure for Semivolatile Data Validation SW-846 Method 8270D,* SOP HW-35A, Revision 0 (June 2015), the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-2017-002 (January 2017), and the USEPA Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFAS) Analyzed Using EPA Method 537 (November 2018), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Liquid Chromatography/Mass Spectrometry (LC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Duplicate Results
- Laboratory Control Sample (LCS) Results
- Internal Standards/Labeled Compounds
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers with the exception listed below.

Sample MW-208D was diluted for perfluorooctanesulfonic acid due to original analysis exceeding the calibration range. For the perfluorooctanesulfonic acid result in sample MW-208DDL, the diluted result should be considered the most usable. The MW-208D result should not be considered usable for perfluorooctanesulfonic acid.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

VOC and 1,4-Dioxane

All criteria were met.

LC/MS Tunes

PFAS

All criteria were met.

Initial and Continuing Calibrations

VOC

Initial calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
08/14/22	ICAL-VOA105	1,4-Dioxane	0.00115 (≥0.005)	MW-208D MW-208S DUP-1 TRIP BLANK FIELD BLANK	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane results were estimated due to response factor exceedance. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
09/17/20	CCV-VOA105	Chloromethane	24.2	MW-208D	XX	J detects/UJ nondetects
		Bromomethane	54.6	MW-208S	XX	J detects/UJ nondetects
		Acrylonitrile	25	DUP-1	XX	J detects/UJ nondetects
		4-Methyl-2-pentanone	28.4	TRIP BLANK	XX	J detects/UJ nondetects
		2-Hexanone	29.7	FIELD BLANK	XX	J detects/UJ nondetects
		trans-1,4-Dichloro-2-butene	29.9		XX	J detects/UJ nondetects
		1,2-Dibromo-3-chloropropane	28.8		XX	J detects/UJ nondetects
		Naphthalene	25.8		XX	J detects/UJ nondetects

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
09/17/20	CCV-VOA105	1,4-Dioxane	0.00101 (≥0.005)	MW-208D MW-208S DUP-1 TRIP BLANK FIELD BLANK	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The chloromethane, bromomethane, acrylonitrile, 4-methyl-2-pentanone, 2-hexanone, trans-1,4-dichloro-2-butene, 1,2-dibromo-3-chloropropane, and naphthalene results were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The 1,4-dioxane results were estimated due to response factor exceedance. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

1,4-Dioxane and PFAS

All criteria were met.

Blanks

VOC

Contamination was not detected in the method blanks.

No positive results were found in the trip blank sample TRIP BLANK and field blank sample FIELD BLANK for VOC analysis.

1,4-Dioxane and PFAS

Contamination was not detected in the method blanks.

No positive results were found in the field blank sample FIELD BLANK for 1,4-dioxane and PFAS analyses.

Surrogate Recoveries

VOC and 1,4-Dioxane

All criteria were met.

MS/MSD Results

MS/MSD analyses were not associated with this sample set. Validation action was not required on this basis.

Laboratory Duplicate Results

PFAS

Laboratory duplicates were performed on sample MW-208S for PFAS analysis. All criteria were met.

LCS Results

All criteria were met.

Internal Standards/Labeled Compounds

VOC and 1,4-Dioxane

All criteria were met.

PFAS

The following table lists the labeled compound percent recoveries outside of control limits in the PFAS analysis and the resulting validation actions.

Sample	Labeled Compound	%R (Limits)	Affected Compounds	Validation actions
MW-208D	M3-PFBS	170 (50-150)	Perfluorobutanesulfonic acid	J detects/UJ nondetects
	M3-PFHxS	178 (50-150)	Perfluorohexanesulfonic acid	J detects/UJ nondetects
	M2-6:2FTS	245 (25-150)	1H,1H,2H,2H-Perfluorooctanesulfonic acid	J detects/UJ nondetects
	M2-8:2FTS	179 (50-150)	1H,1H,2H,2H-Perfluorodecanesulfonic acid	J detects/UJ nondetects
	M8-FOSA	28 (50-150)	Perfluorooctanesulfonamide	J detects/UJ nondetects
MW-208S	M2-6:2FTS	172 (25-150)	1H,1H,2H,2H-Perfluorooctanesulfonic acid	J detects/UJ nondetects
	M8-FOSA	30 (50-150)	Perfluorooctanesulfonamide	J detects/UJ nondetects
DUP-1	M2-6:2FTS	176 (25-150)	1H,1H,2H,2H-Perfluorooctanesulfonic acid	J detects/UJ nondetects
	M8-FOSA	28 (50-150)	Perfluorooctanesulfonamide	J detects/UJ nondetects
TRIP BLANK	M2-8:2FTS	49 (25-150)	1H,1H,2H,2H-Perfluorodecanesulfonic acid	UJ nondetects

The perfluorooctanesulfonamide and 1H,1H,2H,2H-perfluorooctanesulfonic acid results for the samples listed above were estimated due to labeled compound percent recovery exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Field Duplicate Results

VOC

Samples MW-208S and DUP-1 were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations.

Compound	Concentration (ug/L)		RPD
	MW-208S	DUP-1	
1,1-Dichloroethane	12	12	0
Tetrachloroethene	44	47	7
1,1,1-Trichloroethane	55	57	4
Vinyl chloride	0.95	0.97	2
1,1-Dichloroethene	9.4	9.0	4
Trichloroethene	13	14	7
m,p-Xylene	1.8	2.0	11
o-Xylene	1.4	1.5	7
Xylenes, total	3.2	3.5	9
cis-1,2-Dichloroethene	3.5	3.6	3
1,2-Dichloroethene, total	3.5	3.6	3
Acetone	220	220	0
2-Butanone	70	72	3

1,4-Dioxane

Samples MW-208S and DUP-1 were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations.

Compound	Concentration (ng/L)		RPD
	MW-208S	DUP-1	
1,4-Dioxane	2220	2280	1

PFAS

Samples MW-208S and DUP-1 were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations.

Compound	Concentration (ng/L)		RPD
	MW-208S	DUP-1	
Perfluorobutanoic acid	14.4	14.7	2
Perlfuoropentanoic acid	18.1	18.3.	1

Compound	Concentration (ng/L)		RPD
	MW-208S	DUP-1	
Perfluorobutanesulfonic acid	37.5	32.9	13
Perfluorohexanoic acid	15.8	16.4	4
Perfluoroheptanoic acid	12.6	13.5	7
Perfluorohexanesulfonic acid	6.55	6.97	6
Perfluorooctanoic acid	44.2	45.8	4
Perfluoroheptanesulfonic acid	3.40	2.84	18
Perlfuorononanoic acid	3.81	3.81	0
Perfluorooctanesulfonic acid	174	180	3
Perfluorodecanoic acid	1.17	1.32	12
Perfluorooctanesulfonamide	3.21	3.78	16
N-Ethylperfluorooctanesulfonamidoacetic acid	6.58	4.99	27
PFOA/PFOS, total	218	226	4

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC and PFAS analyses. These results were qualified as estimated (J) by the laboratory.

No results were reported below the RL and above the MDL in the 1,4-dioxane analysis.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	VOC Analysis Reported
MW-208D	10-fold dilution due to sample matrix
MW-208S DUP-1	2-fold dilution due to sample matrix

Sample	PFAS Analysis Reported
MW-208D	5-fold dilution due to high compound levels

Dilutions were not required for 1,4-dioxane analysis.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

The following table lists target compound identifications that did not meet validation criteria and the resulting validating actions.

Sample	Compound	Ion Ratio (Limits)	Validation Actions
MW-208D	1H,1H,2H,2H-Perfluorooctanesulfonic acid	40.65 (10.73-32.19)	J detects
	Perfluorooctanesulfonamide	170.79 (51.29-153.86)	J detects
MW-208S	Perfluorooctanesulfonamide	258.66 (51.29-153.86)	J detects
DUP-1	Perfluorooctanesulfonamide	177.31 (51.29-153.86)	J detects

The 1H,1H,2H,2H-perfluorooctanesulfonic acid and perfluorooctanesulfonamide results for the samples listed above were estimated due to ion ratio exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 49292E2c
SDG #: L2038800
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 10/19/20
Page: 1 of 1
Reviewer: KF
2nd Reviewer:

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	%D RSD ≤ 20 ICV ≤ 30 CCV ≤ 20
IV.	Continuing calibration	A	
V.	Laboratory Blanks	A	
VI.	Field blanks	N	FB= 4
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	MS
IX.	Laboratory control samples	A	LCS ID
X.	Field duplicates	SW	D= 2, 3
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-208D	L2038800-01	Water	09/16/20
2	MW-208S D	L2038800-02	Water	09/16/20
3	DUP-1 D	L2038800-03	Water	09/16/20
4	FIELD BLANK	L2038800-05	Water	09/16/20
5				
6				
7				
8				
9				

Notes:

	WG1410930- 1Blank						

LDC #: 49292E2C

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: Semivolatiles (EPA SW 846 Method 8270 D) SIM

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 15/30% or 20% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20% or 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?	✓			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any percent recoveries (%R) was less than 10%, was a reanalysis performed to confirm %R ?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target compounds detected in the field duplicates?	✓			
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	CC. Dimethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	GGGG. C30-Hopane	I1. Methyl methanesulfonate
B. Bis (2-chloroethyl) ether	DD. Acenaphthylene	FFF. Di-n-octylphthalate	HHHH. 1-Methylphenanthrene	J1. Ethyl methanesulfonate
C. 2-Chlorophenol	EE. 2,6-Dinitrotoluene	GGG. Benzo(b)fluoranthene	IIII. 1,4-Dioxane	K1. o,o',o''-Triethylphosphorothioate
D. 1,3-Dichlorobenzene	FF. 3-Nitroaniline	HHH. Benzo(k)fluoranthene	JJJJ. Acetophenone	L1. n-Phenylene diamine
E. 1,4-Dichlorobenzene	GG. Acenaphthene	III. Benzo(a)pyrene	KKKK. Atrazine	M1. 1,4-Naphthoquinone
F. 1,2-Dichlorobenzene	HH. 2,4-Dinitrophenol	JJJ. Indeno(1,2,3-cd)pyrene	LLLL. Benzaldehyde	N1. N-Nitro-o-toluidine
G. 2-Methylphenol	II. 4-Nitrophenol	KKK. Dibenz(a,h)anthracene	MMMM. Caprolactam	O1. 1,3,5-Trinitrobenzene
H. 2,2'-Oxybis(1-chloropropane)	JJ. Dibenzofuran	LLL. Benzo(g,h,i)perylene	NNNN. 2,6-Dichlorophenol	P1. Pentachlorobenzene
I. 4-Methylphenol	KK. 2,4-Dinitrotoluene	MMM. Bis(2-Chloroisopropyl)ether	OOOO. 1,2-Diphenylhydrazine	Q1. 4-Aminobiphenyl
J. N-Nitroso-di-n-propylamine	LL. Diethylphthalate	NNN. Aniline	PPPP. 3-Methylphenol	R1. 2-Naphthylamine
K. Hexachloroethane	MM. 4-Chlorophenyl-phenyl ether	OOO. N-Nitrosodimethylamine	QQQQ. 3&4-Methylphenol	S1. Triphenylene
L. Nitrobenzene	NN. Fluorene	PPP. Benzoic Acid	RRRR. 4-Dimethyldibenzothiophene (4MDT)	T1. Octachlorostyrene
M. Isophorone	OO. 4-Nitroaniline	QQQ. Benzyl alcohol	SSSS. 2/3-Dimethyldibenzothiophene (4MDT)	U1. Famphur
N. 2-Nitrophenol	PP. 4,6-Dinitro-2-methylphenol	RRR. Pyridine	TTTT. 1-Methyldibenzothiophene (1MDT)	V1. 1,4-phenylenediamine
O. 2,4-Dimethylphenol	QQ. N-Nitrosodiphenylamine	SSS. Benzidine	UUUU.. 2,3,4,6-Tetrachlorophenol	W1. Methapyrilene
P. Bis(2-chloroethoxy)methane	RR. 4-Bromophenyl-phenylether	TTT. 1-Methylnaphthalene	VVVV. 1,2,4,5-Tetrachlorobenzene	X1. Pentachloroethane
Q. 2,4-Dichlorophenol	SS. Hexachlorobenzene	UUU.Benzo(b)thiophene	WWWW.. 2-Picoline	Y1. 3,3'-Dimethylbenzidine
R. 1,2,4-Trichlorobenzene	TT. Pentachlorophenol	VVV.Benzonaphthothiophene	XXXX. 3-Methylcholanthrene	Z1. o-Toluidine
S. Naphthalene	UU. Phenanthrene	WWW.Benzo(e)pyrene	YYYY. a,a-Dimethylphenethylamine	A2. 1-Naphthylamine
T. 4-Chloroaniline	VV. Anthracene	XXX. 2,6-Dimethylnaphthalene	ZZZZ. Hexachloropropene	B2. 4-Aminobiphenyl
U. Hexachlorobutadiene	WW. Carbazole	YYY. 2,3,5-Trimethylnaphthalene	A1. N-Nitrosodiethylamine	C2. 4-Nitroquinoline-1-oxide
V. 4-Chloro-3-methylphenol	XX. Di-n-butylphthalate	ZZZ. Perylene	B1. N-Nitrosodi-n-butylamine	D2. Hexachloropene
W. 2-Methylnaphthalene	YY. Fluoranthene	AAAA. Dibenzothiophene	C1. N-Nitrosomethylethylamine	E2. Bis (2-chloro-1-methylethyl) ether
X. Hexachlorocyclopentadiene	ZZ. Pyrene	BBBB. Benzo(a)fluoranthene	D1. N-Nitrosomorpholine	F2. Bifenthrin
Y. 2,4,6-Trichlorophenol	AAA. Butylbenzylphthalate	CCCC. Benzo(b)fluorene	E1. N-Nitrosopyrrolidine	G2. Cyfluthrin
Z. 2,4,5-Trichlorophenol	BBB. 3,3'-Dichlorobenzidine	DDDD. cis/trans-Decalin	F1. Phenacetin	H2. Cypermethrin
AA. 2-Chloronaphthalene	CCC. Benzo(a)anthracene	EEEE. 1,1'-Biphenyl	G1. 2-Acetylaminofluorene	I2. Permethrin (cis/trans)
BB. 2-Nitroaniline	DDD. Chrysene	FFFF. Retene	H1. Pronamide	J2. 5-Nitro-o-toluidine

LDC #: 49292E2C

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds identified in the field duplicate pairs?

Compound	Concentration (ng/L)		RPD (≤ %)	QUAL
	2	3		
1,4- Dioxane	2220	2280	1	

Compound	Concentration ( )		RPD (≤ %)	QUAL

Compound	Concentration ( )		RPD (≤ %)	QUAL

LDC #: 49292E2C

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

METHOD: GC/MS BNA (EPA SW 846 Method 8270)
The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs,

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard
X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (Internal Standard)	Reported RRF (SDU std)	Recalculated RRF (SDU std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	ta KAL PAH16	9/15/20	1,4-Dioxane (1st IS)	1.516	1.516	1.481	1.481	5.63	5.63
			(2nd IS)						
			(3rd IS)						
			(4th IS)						
			(5th IS)						
			(6th IS)						
2			(1st IS)						
			(2nd IS)						
			(3rd IS)						
			(4th IS)						
			(5th IS)						
			(6th IS)						
3			(1st IS)						
			(2nd IS)						
			(3rd IS)						
			(4th IS)						
			(5th IS)						
			(6th IS)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292 E2C

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 0759 PAH16	9/19/20	1,4-Dioxane (1st IS)	1.481	1.583	1.583	6.9	6.9
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
2			(1st IS)					
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					
3			(1st IS)					
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292 E2C

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270 D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
~~Nitrobenzene-d5~~ 1,4-Dioxane-d8	500	194.592	39	39	0
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
~~1,2-Dichlorobenzene~~-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 49292E2C

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: WG1410930-2/3U

Compound	Spike Added (ng/L)		Spike Concentration (ng/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
~~Phenol~~ 1,4-Dioxane	5000	5000	5620	5690	112	112	114	114	2	2
N-Nitroso-di-n-propylamine										
4-Chloro-3-methylphenol										
Acenaphthene										
Pentachlorophenol										
~~Pyrene~~										

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292 E2C

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #2, 1,4-Dioxane

Conc. = $\frac{(12250)(500)(2.5)(1000)}{(17889)(1.481)(260)}$

=

2222.9 ng/L

#	Sample ID	Compound	Reported Concentration (ng/L)	Calculated Concentration (ng/L)	Qualification
	2	1,4-Dioxane	2220	2222.9	

LDC #: 49292E96 **VALIDATION COMPLETENESS WORKSHEET** Date: 10/19/20
SDG #: L2038800 Category B Page: 1 of 1
Laboratory: Alpha Analytical, Inc. Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: LC/MS Perfluoroalkyl & Polyfluoroalkyl Substances (EPA Method 537M)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	LC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	r² TV≤30/30 IV≤30
IV.	Continuing calibration/ISC	A/A	D≤30 IS≤50
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	FB=4
VII.	Matrix spike/Matrix spike duplicates /DUP	N/A	
VIII.	Laboratory control samples	A	LCS/D
IX.	Field duplicates	SW	D= 2+3
X.	Labeled Compounds	SW	
VI.	Compound quantitation RL/LOQ/LODs	A	CRL
XII.	Target compound identification	SW	
XIII.	System performance	A	
XIV.	Overall assessment of data	SW	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
SW = See worksheet FB = Field blank EB = Equipment blank

	Client ID	Lab ID	Matrix	Date
1	MW-208D	L2038800-01	Water	09/16/20
2	MW-208S	L2038800-02	Water	09/16/20
3	DUP-1	L2038800-03	Water	09/16/20
4	FIELD BLANK	L2038800-05	Water	09/16/20
5	MW-208SDUP	L2038800-02DUP	Water	09/16/20
6	#1DL (PFOS only) 5X	↓ 01a	↓	↓
7				
8				
9				
10				

Notes:

1	WG1410951						
2	WG1411825						

LDC #: 49292E96 **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: PC

Method: LC/MS PFAS (EPA Method 537Mod)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	√			
Were cooler temperature criteria met?	√			
II. LC/MS Instrument performance check				
Were the instrument performance reviewed and found to be within the validation criteria?	√			
III. Initial calibration and Initial Calibration Verification				
Did the laboratory perform a 5-point calibration prior to sample analysis?	√			
Were all percent relative standard deviations (%RSD) ≤ 20%?			√	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit criteria of ≥ 0.990?	√			
Were all analytes within 70-130% or percent differences (%D) ≤30% of their true value for each calibration standard except the lowest point (50-150%)?	√			
Was the signal to noise (S/N) ratio for all compounds within the validation criteria?	√			
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	√			
Were all percent differences (%D) ≤ 30%?	√			
IV. Continuing calibration and Instrument Sensitivity Check				
Was a continuing calibration analyzed prior to sample analysis, after every 10 samples and at the end of the analytical sequence?	√			
Were all percent differences (%D) of the continuing calibration ≤ 30%?	√			
Was the signal to noise (S/N) ratio for all compounds within the validation criteria?	√			
Were all percent differences (%D) of the Instrument Sensitivity Check ≤ 50%?	√			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	√			
Was a laboratory blank analyzed for each matrix and concentration?	√			
Was there contamination in the laboratory blanks?		√		
VI. Field blanks				
Were field blanks identified in this SDG?	√			
Were target compounds detected in the field blanks?		√		
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	√			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	√			

LDC #: 49252E96

VALIDATION FINDINGS CHECKLIST

Reviewer: MR

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch for this SDG?	√			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	√			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	√			
Were target compounds detected in the field duplicates?	√			
XI. Labeled compounds				
Were labeled compound percent recoveries (%R) within the QC limits?		√		
XII. Compound quantitation				
Did the laboratory reporting limits (RL) meet the QAPP RLs?			√	
Did reported results include both branched and linear isomers?	√			
Were the correct ion transition, labeled compound and relative response factor (RRF) used to quantitate the compound?	√			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	√			
XIII. Target compound identification				
Was the signal to noise (S/N) ratio for all compounds within the validation criteria?	√			
Were two transitions and the ion transition ratio per analyte monitored and documented except for PFBA and PFPeA?	√			
Were ion ratios within QC limits?		√		
XIV. System performance				
System performance was found to be acceptable.	√			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	√			

TARGET COMPOUND WORKSHEET

METHOD: PFAS

	Associated Labeled Compound		
A. Perfluorobutanoic acid (PFBA)	MPFBA		
B. Perfluoropentanoic acid (PFPeA)	M5PFPEA		
C. Perfluorohexanoic acid (PFHxA)	M5PFHxA		
D. Perfluoroheptanoic acid (PFHpA)	M4PFHpA		
E. Perfluorooctanoic acid (PFOA)	M8PFOA		
F. Perfluorononanoic acid (PFNA)	M9PFNA		
G. Perfluorodecanoic acid (PFDA)	M8PFDA		
H. Perfluoroundecanoic acid (PFUnA)	M7PFUDA		
I. Perfluorododecanoic acid (PFDoA)	MPFDOA		
J. Perfluorotridecanoic acid (PFTrDA)	MPFDOA		
K. Perfluorotetradecanoic acid (PFTA)	M2PFTEDA		
L. Perfluorobutanesulfonic acid (PFBS)	M3PFBS		
M. Perfluorohexanesulfonic acid (PFHxS)	M3PFHxS		
N. Perfluoroheptanesulfonic acid (PFHpS)	M8PFOS		
O. Perfluorooctanesulfonic acid (PFOS)	M8PFOS		
P. Perfluorodecanesulfonic acid (PFDS)	M8PFOS		
Q. Perfluorooctanesulfonamide (FOSA)	M8FOSA		
R. N-Methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	d3-NMeFOSAA		
S. N-Ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	d5-NEtFOSAA		
T. 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2FTS)	M2-6:2FTS		
U. 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2FTS)	M2-8:2FTS		
V. 9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)			
W. 11-Chloroeicosafluoro-3-Oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			
X. Hexafluoropropylene oxide dimer acid (HFPO-DA)			
Y. 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2FTS)	M2-4:2FTS		
Z. Perfluorononanesulfonic acid (PFNS)	M8PFOS		

LDC #: 49292E96

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

Reviewer: MR

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

All available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.

Y (N) N/A Was the overall quality and usability of the data acceptable?

#	Date	Sample ID	Compound	Finding	Qualifications
		1	0	> calib range	NR

Comments: _____

LDC #: 49292E9G

VALIDATION FINDINGS WORKSHEET
Labeled Compounds

Page: 1 of 1
Reviewer: M

METHOD: LC/MS PFAS (EPA Method 537M)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
Y (N) N/A Were all labeled compound recoveries within the QC criteria?

#	Date	Lab ID/Reference	Labeled Compound	% Recovery (Limit)	Qualifications
		1 (dets/ND)	M3PFBS	170 (50-150)	J/UJ/P (L)
			M3PFHxS	178 (↓)	(M)
			M2-6:2FTS	245 (25-150)	(T)
			M2-8:2FTS	179 (↓)	(U)
			M8FOSA	28 50-150	(Q)
				( )	
		2 (dets/ND)	M2-6:2FTS	172 (25-150)	
			M8FOSA	30 (50-150)	
				( )	
		3 (dets/ND)	M2-6:2FTS	176 (25-150)	
			M8FOSA	28 50-150	
				( )	
		4 (ND)	M2-8:2FTS	49 (25-150)	
				( )	
		~~WG411825~~		( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Method: LC/MS PFAS (EPA Method 537M)

Compound	Concentration (ng/L)		RPD	
	2	3		
A	14.4	14.7	2	
B	18.1	18.3	1	
L	37.5	32.9	13	
C	15.8	16.4	4	
D	12.6	13.5	7	
M	6.55	6.97	6	
E	44.2	45.8	4	
N	3.40	2.84	18	
F	3.81	3.81	0	
O	174	180	3	
G	1.17	1.32	12	
Q	3.21	3.78	16	
S	6.58	4.99	27	
PFOA/PFOS, Total	218	226	4	

LDC #: 49972E96

VALIDATION FINDINGS WORKSHEET
Target Compound Identification

Page: 1 of 1
Reviewer: JC

METHOD: LC/MS PFAS (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was the signal to noise (S/N) ratio for all compounds within the validation criteria?
Y N N/A Were two transitions and the ion transition ratio per analyte monitored and documented with the exception of PFBA and PFPeA?
Y N N/A Were ion ratios within QC limits?

#	Date	Sample ID	Compound	Ion ratio (Limits)	Qualifications
		1	T	40.65 (10.73-32.19)	Idets/P
			Q	170.79 (51.29-153.86)	
		2	Q	28.66	
		3	Q	177.31	
		1,2,~~3~~6	br-PFOS		No qual. L-PFOS in
		1,2,3	br-NEtFOSAA		L-NEtFOSAA in
		3	br-PFHxS		L-PFHxS in

LDC #: 49292E96

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Method: LC/MS PFAS (EPA Method 537M)

Calibration Date	Analyte	Standard	(X) Concentration ratio	(Y) Area ratio
9/15/2020	L-PFOA	1	0.050	0.0489007
		2	0.100	0.0970421
		3	0.500	0.4657460
		4	1.000	0.9021630
		5	5.000	4.4974269
		6	15.000	13.7950265
		7	25.000	23.9068001

Linear through the origin

	Calculated	***Reported***
Constant	0.000000	0.0000
X Coefficient(s)	0.945184	0.937044
Correlation Coefficient	0.999823	
Coefficient of Determination (r^2)	0.999646	0.999439

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Method: LC/MS PFAS (EPA Method 537M)

Date	Analyte	Standard	(Y) Concentration ratio	(X) Area Ratio	(X^2) Area Ratio
9/15/2020	L-PFOS	1	0.0365	0.037	0.0014
		2	0.0730	0.074	0.0055
		3	0.3650	0.367	0.1347
		4	0.7300	0.693	0.4805
		5	3.6500	3.695	13.6534
		6	10.9500	10.642	113.2506
		7	18.2500	19.072	363.7318

Regression Output			Reported
Constant	c =	0.0000	0
Std Err of Y Est			
Degrees of Freedom			
	a =	-0.006405	0.000439453
X Coefficient(s)			
Std Err of Coef.	b =	1.081295059	0.955168000
Correlation Coefficient		0.999895	
Coefficient of Determination (r^2)	r^ 2	0.999790	0.999394

LDC #: 49292E9b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Method: LC/MS PFAS (EPA Method 537M)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound
Cx = Concentration of compound,
Ais = Area of associated internal standard
Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	True Conc	Reported Conc	Recalculated Conc	Reported %R	Recalculated %R
1	I28983	9/18/2020	L-PFOA (13C8-PFOA)	10.000	9.600	9.600	96.0	96.0
			L-PFOS (13C8-PFOS)	7.300	7.386	7.386	101.2	101.2
2	I29072	9/19/2020	L-PFOA (13C8-PFOA)					
			L-PFOS (13C8-PFOS)	7.300	7.587	7.588	103.9	103.9
3			L-PFOA (13C8-PFOA)					
			L-PFOS (13C8-PFOS)					
4			L-PFOA (13C8-PFOA)					
			L-PFOS (13C8-PFOS)					
5			L-PFOA (13C8-PFOA)					
			L-PFOS (13C8-PFOS)					

LDC #: 49297E96

VALIDATION FINDINGS WORKSHEET
LCS Results Verification

Reviewer: SC

Method: LC/MS PFAS (EPA Method 537M)

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control duplicate were recalculated for the compounds identified below using the following calculation:

SSC = (Area spike) (Conc IS) / (Area IS) (average RRF spike)
%Recovery = 100 * SSC/SA

Where:
SSC = Spiked concentration
SA = Spike added
LCS = Laboratory control spike recovery
LCSD = Laboratory control spike duplicate recovery

RPD = | LCS - LCSD | * 2/(LCS + LCSD)

LCS/LCSD ID: WG141951-2/3

Compound	SA (ng/L)		SSC (ng/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
PFOA	40.0	40.0	40.8	41.5	102	102	104	104	2	2
PFOS	37.1	37.1	40.8	41.5	110	110	112	112	2	2

LDC #: 49292E96

VALIDATION FINDINGS WORKSHEET
Sample Results Verification

Reviewer: SC

Method: LC/MS PFAS (EPA Method 537M)

Compound results for all Level IV samples reported with a positive detect were recalculated and verified using the following equation:

$$\text{Concentration} = \frac{(Ax)\,(Vo)\,(Df)}{(RRF)\,(Wt)\,(\%S)}$$

Where:

Ax = Area or height of the peak for the compound to be measured
Ais = Area or height of the peak for the internal standard
Cis = Concentration of the internal standard
DF = Dilution factor
Vt = Volume of extract in milliters (mL)
RRF = Average relative response factor
Wt = Weight of sample in grams (g)

Sample #	Compound	Ax	Ais	Cis	DF	RRF	Vt (mL)	Wt (g)	%S	Calculated Concentration (ng/L)	Reported Concentration (ng/L)	% Diff
1	L-PFOA	196343	69161	10	1	0.937044	1	252.97		119.76		
	br-PFOA	31733	69161	10	1	0.937044	1	252.97		19.36		
	Total									139	139	

LDC #: 49292E1a

SDG #: L2038800

Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET

Category B

Date: 10/20/20

Page: 1 of 1

Reviewer:

2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A /A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	SW / A	%D RSD ≤ 20, r² RF ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	TB = 4 FB = 5
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	cs
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field duplicates	SW	D = 2, 3
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Results < RL > MDL = Jdet
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID		Lab ID	Matrix	Date
1	MW-208D	10X	L2038800-01	Water	09/16/20
2	MW-208S	D 2X	L2038800-02	Water	09/16/20
3	DUP-1	D 2X	L2038800-03	Water	09/16/20
4	TRIP BLANK		L2038800-04	Water	09/16/20
5	FIELD BLANK		L2038800-05	Water	09/16/20
6					
7					
8					
9					

Notes:

	WG1411201-5 Blank						

LDC #: 49292 E1a

VALIDATION FINDINGS CHECKLIST

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30%/15% / 20% and relative response factors (RRF) ≥ 0.05?		✓		
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20% / 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) ≥ 0.05?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?	✓			
Were target compounds detected in the field blanks?		✓		
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	

Validation Area				
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target compounds detected in the field duplicates?	✓			
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?				
XIV. System performance	✓			
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 49292E1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Page: 1 of 1
Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?
Y N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?
Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____
Y N N/A Did the initial calibration meet the acceptance criteria?
Y N N/A Were all %RSDs and RRFs within the validation criteria of ≤30/15% 20% RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit:____%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	8/14/20	ICAL -~~105~~ VOA105	HHHH		0.00115 (±0.005)	All	J/UJ/A ND

LDC #: 49292E1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: <20.0%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
	9/17/20	CCV-VOA105	A	24.2		All	J / UJ/A NDet
	0739		B	54.6			
			GGGG	25			
			Y	28.4			
			Z	29.7			
			YYYY	29.9			
			MM	28.8			
			MMM	25.8			
			HHHH		0.00101 (I 0.005)		

CONCAL.wpd

LDC#:_49292E1a

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: FT
:_____

METHOD: GCMS VOA (EPA Method 8260C)

Compound	Concentration (ug/L)		RPD
	2	3	
I	12	12	0
AA	44	47	7
N	55	57	4
C	0.95	0.97	2
H	9.4	9.0	4
S	13	14	7
RRR	1.8	2.0	11
SSS	1.4	1.5	7
GG	3.2	3.5	9
QQQ	3.5	3.6	3
J	3.5	3.6	3
F	220	220	0
M	70	72	3

LDC #: 49292E1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: ____FT___

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:
Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 10ug/L std)	Recalculated (RRF 10ug/L std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL VOA105	8/14/2020	N (IS 1)	0.440	0.440	0.406	0.406	14.24	14.24
			CC (IS 2)	0.809	0.809	0.742	0.742	12.90	12.90
			BB (IS 3)	0.476	0.476	0.475	0.475	3.88	3.88

LDC #: 49292 E1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 0739	9/17/20	N (IS1)	0.406	0.412	0.412	1.5	1.5
			CC (IS2)	0.742	0.739	0.739	0.4	0.4
			BB (IS3)	0.475	0.393	0.393	17.3	17.3
			(IS4)					
			(IS5)					
2			(IS1)					
			(IS2)					
			(IS3)					
			(IS4)					
			(IS5)					
3			(IS1)					
			(IS2)					
			(IS3)					
			(IS4)					
			(IS5)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292E/a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	10.0	10.118	101	101	0
1,2-Dichloroethane-d4	↓	10.18	102	102	↓
Toluene-d8		9.691	97	97	
Bromofluorobenzene		9.133	91	91	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 49092E1a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

METHOD: GC/MS VOA (EPA Method 8260 C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: WG1411201-3/4

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	10.0	10.0	10	10	100	100	100	100	0	0
Trichloroethene			9.4	9.5	94	94	95	95	1	1
Benzene			9.5	9.6	95	95	96	96	1	1
Toluene			10	10	100	100	100	100	0	0
Chlorobenzene			10	10	100	100	100	100	0	0

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292E1a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #2, N:

Conc. = $\frac{(314699)(10.0)(2)}{(280692)(0.406)}$

= 55.22 ug/L

#	Sample ID	Compound	Reported Concentration (ug/L)	Calculated Concentration (ug/L)	Qualification
	#2	N	55	55	

Site: 33 Centre Avenue
Laboratory: Alpha Analytical, Inc.
Report No.: L2038800
Reviewer: Darionna Malone and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date: October 21, 2020

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-208D	L2038800-01	Metals
MW-208S	L2038800-02	Metals
DUP-1	L2038800-03	Metals
FIELD BLANK	L2038800-05	Metals
MW-208SMS	L2038800-02MS	Metals
MW-208SDUP	L2038800-02DUP	Metals
DUP-1MS	L2038800-03MS	Metals
DUP-1DUP	L2038800-03DUP	Metals

Associated QC Samples(s):
Field/Trip Blanks: FIELD BLANK
Field Duplicate pair: MW-208S and DUP-1

The above-listed water samples were collected on September 16, 2020 and were analyzed for metals by SW-846 methods 6020B/7470A. The data validation was performed in accordance with USEPA Region 2 *Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program,* SOP HW-3b/c, Revision 1 (September 2016) and the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review,* EPA 540-R-2017-001 (January 2017), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS) Results
- Serial Dilution Results
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met.

CRQL Standard Recoveries

All criteria were met.

Blank Results

Analytes were detected below the reporting limits in the laboratory blank samples. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
ICB/CCB	Iron	28.8 ug/L	RL	MW-208D
	Thallium	0.442 ug/L	RL	MW-208S
				DUP-1
				FIELD BLANK

Blank Actions for analytes detected below the reporting limit(RL).
If the sample result is < RL, report the result as nondetect (U) at the RL.
If the sample result is > RL or nondetect, no action is required.
Blank Actions for analytes detected above the reporting limit or RL.
If the sample result is < RL and <action level; report the result as nondetect (U) at the RL.
If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.
If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
MW-208D	Thallium	0.00285 mg/L	0.00500U mg/L
DUP-1	Thallium	0.00019 mg/L	0.00050U mg/L

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

Contamination was detected in the field blank sample FIELD BLANK for the metals analyses. The following table summarizes the contamination greater than the reporting limit and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
FIELD BLANK	Antimony	0.00251 mg/L	RL	MW-208D
	Calcium	0.0469 mg/L	RL	MW-208S
	Sodium	0.204 mg/L	2.04 mg/L	DUP-1
	Thallium	0.00018 mg/L	RL	

Blank Actions for analytes detected above the reporting limit(RL).
If the sample result is < RL and < action level; report the result as nondetect (U) at the RL.
If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.
If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
MW-208D	Antimony	0.00453 mg/L	0.0400 mg/L
	Thallium	0.00285 mg/L	0.00500 mg/L
DUP-1	Antimony	0.00049 mg/L	0.0040 mg/L
	Thallium	0.00019 mg/L	0.00050 mg/L

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

ICP ICS Results

Analytes were within control limits in the SIC analysis.

MS Results

MS analyses were performed on samples MW-208S and DUP-1 for metals analyses. All criteria were met.

Laboratory Duplicate Results

Laboratory duplicates were performed on samples MW-208S and DUP-1 for metals analyses. All criteria were met.

Field Duplicate Results

Samples MW-208S and DUP-1 were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations.

Analyte	Concentration (mg/L)		RPD
	MW-208S	DUP-1	
Aluminum	0.0394	0.0204	64
Antimony	0.0040U	0.00049	Not comparable
Arsenic	0.00061	0.00059	3
Barium	0.1041	0.1002	4
Calcium	191	190	1
Cobalt	0.01014	0.00984	3
Copper	0.00049	0.00043	13
Iron	36.8	37.9	3
Magnesium	78.4	78.2	0
Manganese	3.493	3.468	1
Nickel	0.7278	0.7293	0
Potassium	17.0	16.5	3
Sodium	340	324	5
Thallium	0.00050U	0.00019	Not comparable
Zinc	0.00844	0.00862	2

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on samples MW-208S and DUP-1 for metals analyses. All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the metals analyses. These results were estimated (J) by the laboratory.

Dilutions were not required for metals analyses.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 49292E4a
SDG #: L2038800
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date:10/20/2020
Page: 1 of 1
Reviewer: DTM
2nd Reviewer:

METHOD: Metals (EPA SW 846 Method 6020B/7470A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	N	SIC
IV.	Laboratory Blanks	SW	
V.	Field Blanks	SW	FB=4
VI.	Matrix Spike/Matrix Spike Duplicates	SW	7 Ca, Na> 4x Spike
VII.	Duplicate sample analysis	A	
VIII.	Serial Dilution	A	
IX.	Laboratory control samples	A	LCS
X.	Field Duplicates	SW	(2,3)
XI.	Sample Result Verification	A	
XII.	Overall Assessment of Data	A	MDL<Samples<RL, Jdet/A

Tune:A

Internal Standard:A

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-208D	L2038800-01	Water	09/16/20
2	MW-208S	L2038800-02	Water	09/16/20
3	DUP-1	L2038800-03	Water	09/16/20
4	FIELD BLANK	L2038800-05	Water	09/16/20
5	MW-208SMS	L2038800-02MS	Water	09/16/20
6	MW-208SDUP	L2038800-02DUP	Water	09/16/20
7	DUP-1MS	L2038800-03MS	Water	09/16/20
8	DUP-1DUP	L2038800-03DUP	Water	09/16/20

Notes:

Method: Metals (EPA SW 846 Method 6010/6020/7000)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. ICP/MS Tune				
Were all isotopes in the tuning solution mass resolution within 0.1 amu?	✓			
Were %RSD of isotopes in the tuning solution ≤5%?	✓			
III. Calibration				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial and continuing calibration verification %Rs within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low standard checks within 70-130%			✓	
Were all initial calibration correlation coefficients within limits as specified by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓		✓	
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
V. ICP Interference Check Sample				
Were ICP interference check samples performed daily?	✓			✓
Were the AB solution percent recoveries (%R) with the 80-120% QC limits?			✓	
VI. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water.	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.	✓			
Were the MS/MSD or duplicate relative percent differences (RPD) ≤ 20% for waters and ≤ 35% for soil samples? A control limit of +/- RL(+/-2X RL for soil) was used for samples that were ≤ 5X the RL, including when only one of the duplicate sample values were ≤ 5X the RL.	✓			
VII. Laboratory control samples				
Was an LCS anaylzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			

Validation Area	Yes	No	NA	Findings/Comments
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% QC limits for water samples and laboratory established QC limits for soils?		✓		

VIII. Internal Standards (EPA SW 846 Method 6020/EPA 200.8)				
Were all the percent recoveries (%R) within the 30-120% (6020)/60-125% (200.8) of the intensity of the internal standard in the associated initial calibration?	✓			
If the %Rs were outside the criteria, was a reanalysis performed?				
IX. ICP Serial Dilution				
Was an ICP serial dilution analyzed if analyte concentrations were > 50X the MDL (ICP)/>100X the MDL(ICP/MS)?	✓			
Were all percent differences (%Ds) ≤ 10%?	✓			
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Sample Result Verification				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XII. Field duplicates				
Field duplicate pairs were identified in this SDG.	✓			
Target analytes were detected in the field duplicates.	✓			
XIII. Field blanks				
Field blanks were identified in this SDG.	✓			
Target analytes were detected in the field blanks.	✓			

LDC #: 49292E4a

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: DTN

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1-4	W	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn
QC 7-8	W	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, Tl, V, Zn
QC 5-6	W	Hg
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
Analysis Method		
ICP		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
ICP-MS		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr
GFAA		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, W, U, V, Zr

Comments: Mercury by CVAA if performed

LDC #: 49292E4a

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

Reviewer: DTM

METHOD: Trace metals (EPA SW 864 Method 6010/6020/7000)
Soil preparation factor applied: ____
Sample Concentration units, unless otherwise noted: mg/L
Associated Samples: ALL

					Sample Identification										
Analyte	**Maximum PB[a] (mg/L)**	**Maximum PB[a] (ug/L)**	**Maximum ICB/CCB[a] (ug/L)**	**Action Level**	**1**	3									
Fe			28.8												
Tl			0.442		0.00285/0.00500	0.00019/0.00050									

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".

Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 49292E4a

VALIDATION FINDINGS WORKSHEET
Field Blanks

METHOD: Trace Metals (EPA SW846 6010B/6020/7000)

Blank units: mg/L **Associated sample units:** mg/L
Sampling date: 9/16/2020
Field blank type: (circle one) Field Blank / Rinsate / Other: FB Associated Samples: ~~ALL~~ 1-3

Analyte	Blank ID	Blank ID	Sample Identification										
	4		Action Limit	1	3								
Sb	0.00251			0.00453/0.0400	0.00049/0.0040								
Ca	0.0496												
Na	0.204		2.04										
Tl	0.00018			0.00285/0.0050	0.00019/0.00050								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Samples with analyte concentrations within five times the associated field blank concentration are listed above, these sample results were qualified as not detected, "U".

_METHOD: Metals (EPA Method 6010/6020/7000)

Analyte	Concentration (mg/L)		RPD
	2	3	
Aluminum	0.0394	0.0204	64
Antimony	0.0040U	0.00049	NC
Arsenic	0.00061	0.00059	3
Barium	0.1041	0.1002	4
Calcium	191	190	1
Cobalt	0.01014	0.00984	3
Copper	0.00049	0.00043	13
Iron	36.8	37.9	3
Magnesium	78.4	78.2	0
Manganese	3.493	3.468	1
Nickel	0.7278	0.7293	0
Potassium	17.0	16.5	3
Sodium	340	324	5
Thallium	0.00050U	0.00019	NC
Zinc	0.00844	0.00862	2

LDC #: 49292E4a

VALIDATION FINDINGS WORKSHEET

Initial and Continuing Calibration Calculation Verification

Reviewer: DTM

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found x 100 Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
N	ICP (Low Level calibration)						
N	ICP/MS (Low Level calibration)						
N	ICP (Initial calibration)						
ICV	ICP/MS (Initial calibration)	Cr	49.8	50.0	100	100	Y
ICV	CVAA (Initial calibration)	Hg	0.0031	0.0030	103	105	Y
N	ICP (Continuing calibration)						
CCV11	ICP/MS (Continuing calibration)	Ni	59.8	60.0	100	100	Y
CCV19	CVAA (Continuing calibration)	Hg	0.0106	0.0100	106	106	Y

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
9/17/2020	Mass Axis	7	6.9998	± 0.1 AMU	NA	Y
9/17/2020	%RSD	59	0.8%	≤ 5% RSD	0.8%	Y

LDC #: 49292E4a

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)
Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$$\%R = \frac{Found}{True} \times 100$$

Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$$RPD = \frac{|S-D|}{(S+D)/2} \times 100$$

Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$$\%D = \frac{|I-SDR|}{I} \times 100$$

Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (mg/L)	True / D / SDR (mg/L)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
N	ICP interference check						
LCS	Laboratory control sample	V	0.499	0.500	100	100	Y
7	Matrix spike	Be	(SSR-SR) 0.05574	0.0500	111	111	Y
8	Duplicate	As	0.00069	0.00059	14	14	Y
3	ICP serial dilution	K	15.8	16.5	4	4	Y

Comments:

LDC #: 49292E4a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: DTM

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Have results been reported and calculated correctly?
Y N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
Y N N/A Are all detection limits below the CRDL?

Detected analyte results for _____ were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$ Recalculation:

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

#	Sample ID	Analyte	Reported Concentration (mg/L)	Calculated Concentration (mg/L)	Acceptable (Y/N)
	1	Cr	1.945	1.945	Y
	2	Mn	3.493	3.493	Y
	3	K	16.5	16.5	Y
	4	Ca	0.0496	0.0496	Y

Huguenot Street Development - LDC# 49292E

SDG: L2038800

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP-1	L2038800-03	PFOA/PFOS, TOTAL	9/18/2020	226	Y	Y				1.81	0.214	ng/l
DUP-1	L2038800-03	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/18/2020	32.9	Y	Y				1.81	0.216	ng/l
DUP-1	L2038800-03	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/18/2020		Y	N	U		U	1.81	0.588	ng/l
DUP-1	L2038800-03	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/18/2020		Y	N	U	UJ	UJ	1.81	1.21	ng/l
DUP-1	L2038800-03	PERFLUORODECANESULFONIC ACID (PFDS)	9/18/2020		Y	N	U		U	1.81	0.889	ng/l
DUP-1	L2038800-03	PERFLUORODODECANOIC ACID (PFDOA)	9/18/2020		Y	N	U		U	1.81	0.337	ng/l
DUP-1	L2038800-03	PERFLUOROTETRADECANOIC ACID (PFTA)	9/18/2020		Y	N	U		U	1.81	0.225	ng/l
DUP-1	L2038800-03	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/18/2020		Y	N	U		U	1.81	0.297	ng/l
DUP-1	L2038800-03	PERFLUOROUNDECANOIC ACID (PFUNA)	9/18/2020		Y	N	U		U	1.81	0.236	ng/l
DUP-1	L2038800-03	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/18/2020	180	Y	Y	F			1.81	0.457	ng/l
DUP-1	L2038800-03	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/18/2020	4.99	Y	Y	F			1.81	0.729	ng/l
DUP-1	L2038800-03	PERFLUORODECANOIC ACID (PFDA)	9/18/2020	1.32	Y	Y	J		J	1.81	0.276	ng/l
DUP-1	L2038800-03	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/18/2020	2.84	Y	Y				1.81	0.624	ng/l
DUP-1	L2038800-03	PERFLUOROPENTANOIC ACID (PFPEA)	9/18/2020	18.3	Y	Y				1.81	0.359	ng/l
DUP-1	L2038800-03	PERFLUOROOCTANOIC ACID (PFOA)	9/18/2020	45.8	Y	Y				1.81	0.214	ng/l
DUP-1	L2038800-03	PERFLUORONONANOIC ACID (PFNA)	9/18/2020	3.81	Y	Y				1.81	0.283	ng/l
DUP-1	L2038800-03	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/18/2020		Y	N	U		U	1.81	1.1	ng/l
DUP-1	L2038800-03	PERFLUOROHEPTANOIC ACID (PFHPA)	9/18/2020	13.5	Y	Y				1.81	0.204	ng/l
DUP-1	L2038800-03	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/18/2020	3.78	Y	Y	F	J	J	1.81	0.526	ng/l

SDG: L2038800

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP-1	L2038800-03	PERFLUOROBUTANOIC ACID (PFBA)	9/18/2020	14.7	Y	Y				1.81	0.37	ng/l
DUP-1	L2038800-03	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/18/2020	6.97	Y	Y	F			1.81	0.341	ng/l
DUP-1	L2038800-03	PERFLUOROHEXANOIC ACID (PFHXA)	9/18/2020	16.4	Y	Y				1.81	0.298	ng/l
FIELD BLANK	L2038800-05	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/18/2020		Y	N	U		U	1.81	1.21	ng/l
FIELD BLANK	L2038800-05	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/18/2020		Y	N	U	UJ	UJ	1.81	1.1	ng/l
FIELD BLANK	L2038800-05	PERFLUOROPENTANOIC ACID (PFPEA)	9/18/2020		Y	N	U		U	1.81	0.359	ng/l
FIELD BLANK	L2038800-05	PERFLUOROUNDECANOIC ACID (PFUNA)	9/18/2020		Y	N	U		U	1.81	0.235	ng/l
FIELD BLANK	L2038800-05	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/18/2020		Y	N	U		U	1.81	0.296	ng/l
FIELD BLANK	L2038800-05	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/18/2020		Y	N	U		U	1.81	0.456	ng/l
FIELD BLANK	L2038800-05	PERFLUOROTETRADECANOIC ACID (PFTA)	9/18/2020		Y	N	U		U	1.81	0.224	ng/l
FIELD BLANK	L2038800-05	PERFLUORODECANOIC ACID (PFDA)	9/18/2020		Y	N	U		U	1.81	0.275	ng/l
FIELD BLANK	L2038800-05	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/18/2020		Y	N	U		U	1.81	0.587	ng/l
FIELD BLANK	L2038800-05	PFOA/PFOS, TOTAL	9/18/2020		Y	N	U		U	1.81	0.214	ng/l
FIELD BLANK	L2038800-05	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/18/2020		Y	N	U		U	1.81	0.216	ng/l
FIELD BLANK	L2038800-05	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/18/2020		Y	N	U		U	1.81	0.728	ng/l
FIELD BLANK	L2038800-05	PERFLUORODECANESULFONIC ACID (PFDS)	9/18/2020		Y	N	U		U	1.81	0.887	ng/l
FIELD BLANK	L2038800-05	PERFLUOROBUTANOIC ACID (PFBA)	9/18/2020		Y	N	U		U	1.81	0.369	ng/l
FIELD BLANK	L2038800-05	PERFLUORODODECANOIC ACID (PFDOA)	9/18/2020		Y	N	U		U	1.81	0.337	ng/l
FIELD BLANK	L2038800-05	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/18/2020		Y	N	U		U	1.81	0.623	ng/l
FIELD BLANK	L2038800-05	PERFLUOROHEPTANOIC ACID (PFHPA)	9/18/2020		Y	N	U		U	1.81	0.204	ng/l

SDG: L2038800

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FIELD BLANK	L2038800-05	PERFLUOROHEXANOIC ACID (PFHXA)	9/18/2020		Y	N	U		U	1.81	0.297	ng/l
FIELD BLANK	L2038800-05	PERFLUORONONANOIC ACID (PFNA)	9/18/2020		Y	N	U		U	1.81	0.282	ng/l
FIELD BLANK	L2038800-05	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/18/2020		Y	N	U		U	1.81	0.34	ng/l
FIELD BLANK	L2038800-05	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/18/2020		Y	N	U		U	1.81	0.525	ng/l
FIELD BLANK	L2038800-05	PERFLUOROOCTANOIC ACID (PFOA)	9/18/2020		Y	N	U		U	1.81	0.214	ng/l
MW-208D	L2038800-01	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/18/2020	9.52	Y	Y	F	J	J	1.98	1.32	ng/l
MW-208D	L2038800-01	PFOA/PFOS, TOTAL	9/18/2020	718	Y	Y				1.98	0.233	ng/l
MW-208D	L2038800-01	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/18/2020		Y	N	U		U	1.98	0.64	ng/l
MW-208D	L2038800-01	PERFLUORODODECANOIC ACID (PFDOA)	9/18/2020		Y	N	U		U	1.98	0.368	ng/l
MW-208D	L2038800-01	PERFLUOROBUTANOIC ACID (PFBA)	9/18/2020	33.4	Y	Y				1.98	0.403	ng/l
MW-208D	L2038800-01	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/18/2020		Y	N	U		U	1.98	0.323	ng/l
MW-208D	L2038800-01	PERFLUOROUNDECANOIC ACID (PFUNA)	9/18/2020		Y	N	U		U	1.98	0.257	ng/l
MW-208D	L2038800-01	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/18/2020	10.2	Y	Y	F	J	J	1.98	0.573	ng/l
MW-208D	L2038800-01	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/18/2020	20.1	Y	Y				1.98	0.68	ng/l
MW-208D	L2038800-01	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/18/2020	9.36	Y	Y	F			1.98	0.794	ng/l
MW-208D	L2038800-01	PERFLUORODECANESULFONIC ACID (PFDS)	9/18/2020		Y	N	U		U	1.98	0.968	ng/l
MW-208D	L2038800-01	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/18/2020		Y	N	U	UJ	UJ	1.98	1.2	ng/l
MW-208D	L2038800-01	PERFLUOROPENTANOIC ACID (PFPEA)	9/18/2020	24.7	Y	Y				1.98	0.391	ng/l
MW-208D	L2038800-01	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/18/2020	12.6	Y	Y		J	J	1.98	0.372	ng/l
MW-208D	L2038800-01	PERFLUORODECANOIC ACID (PFDA)	9/18/2020	1.24	Y	Y	J		J	1.98	0.3	ng/l

SDG: L2038800

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-208D	L2038800-01	PERFLUOROHEPTANOIC ACID (PFHPA)	9/18/2020	27.1	Y	Y				1.98	0.222	ng/l
MW-208D	L2038800-01	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/18/2020	101	Y	Y		J	J	1.98	0.235	ng/l
MW-208D	L2038800-01	PERFLUOROTETRADECANOIC ACID (PFTA)	9/18/2020		Y	N	U		U	1.98	0.245	ng/l
MW-208D	L2038800-01	PERFLUOROOCTANOIC ACID (PFOA)	9/18/2020	139	Y	Y				1.98	0.233	ng/l
MW-208D	L2038800-01	PERFLUORONONANOIC ACID (PFNA)	9/18/2020	3.21	Y	Y				1.98	0.308	ng/l
MW-208D	L2038800-01	PERFLUOROHEXANOIC ACID (PFHXA)	9/18/2020	24.8	Y	Y				1.98	0.324	ng/l
MW-208D	L2038800-01	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/20/2020	579	Y	Y	F			10	2.52	ng/l
MW-208S	L2038800-02	PERFLUOROHEXANESULFONIC ACID (PFHXS)	9/18/2020	6.55	Y	Y				1.88	0.353	ng/l
MW-208S	L2038800-02	PERFLUOROTETRADECANOIC ACID (PFTA)	9/18/2020		Y	N	U		U	1.88	0.233	ng/l
MW-208S	L2038800-02	PERFLUORODECANESULFONIC ACID (PFDS)	9/18/2020		Y	N	U		U	1.88	0.921	ng/l
MW-208S	L2038800-02	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	9/18/2020		Y	N	U		U	1.88	0.609	ng/l
MW-208S	L2038800-02	PFOA/PFOS, TOTAL	9/18/2020	218	Y	Y				1.88	0.222	ng/l
MW-208S	L2038800-02	PERFLUORODODECANOIC ACID (PFDOA)	9/18/2020		Y	N	U		U	1.88	0.35	ng/l
MW-208S	L2038800-02	PERFLUOROBUTANOIC ACID (PFBA)	9/18/2020	14.4	Y	Y				1.88	0.384	ng/l
MW-208S	L2038800-02	PERFLUOROTRIDECANOIC ACID (PFTRDA)	9/18/2020		Y	N	U		U	1.88	0.308	ng/l
MW-208S	L2038800-02	PERFLUOROHEPTANOIC ACID (PFHPA)	9/18/2020	12.6	Y	Y				1.88	0.212	ng/l
MW-208S	L2038800-02	PERFLUORONONANOIC ACID (PFNA)	9/18/2020	3.81	Y	Y				1.88	0.293	ng/l
MW-208S	L2038800-02	PERFLUOROHEXANOIC ACID (PFHXA)	9/18/2020	15.8	Y	Y				1.88	0.308	ng/l
MW-208S	L2038800-02	PERFLUOROOCTANOIC ACID (PFOA)	9/18/2020	44.2	Y	Y				1.88	0.222	ng/l
MW-208S	L2038800-02	PERFLUOROBUTANESULFONIC ACID (PFBS)	9/18/2020	37.5	Y	Y				1.88	0.224	ng/l
MW-208S	L2038800-02	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)	9/18/2020		Y	N	U		U	1.88	1.14	ng/l
MW-208S	L2038800-02	PERFLUOROHEPTANESULFONIC ACID (PFHPS)	9/18/2020	3.4	Y	Y				1.88	0.647	ng/l

Analytical Method E537(M)

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-208S	L2038800-02	PERFLUOROOCTANESULFONIC ACID (PFOS)	9/18/2020	174	Y	Y	F			1.88	0.474	ng/l
MW-208S	L2038800-02	PERFLUOROOCTANESULFONAMIDE (FOSA)	9/18/2020	3.21	Y	Y	F	J	J	1.88	0.545	ng/l
MW-208S	L2038800-02	PERFLUORODECANOIC ACID (PFDA)	9/18/2020	1.17	Y	Y	J		J	1.88	0.286	ng/l
MW-208S	L2038800-02	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	9/18/2020	6.58	Y	Y	F			1.88	0.756	ng/l
MW-208S	L2038800-02	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	9/18/2020		Y	N	U	UJ	UJ	1.88	1.25	ng/l
MW-208S	L2038800-02	PERFLUOROUNDECANOIC ACID (PFUNA)	9/18/2020		Y	N	U		U	1.88	0.244	ng/l
MW-208S	L2038800-02	PERFLUOROPENTANOIC ACID (PFPEA)	9/18/2020	18.1	Y	Y				1.88	0.372	ng/l

Analytical Method SW6020B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP-1	L2038800-03	CHROMIUM, TOTAL	9/17/2020		Y	N	U		U	0.001	0.00017	mg/l
DUP-1	L2038800-03	SILVER, TOTAL	9/17/2020		Y	N	U		U	0.0004	0.00016	mg/l
DUP-1	L2038800-03	VANADIUM, TOTAL	9/17/2020		Y	N	U		U	0.005	0.00157	mg/l
DUP-1	L2038800-03	SELENIUM, TOTAL	9/17/2020		Y	N	U		U	0.005	0.00173	mg/l
DUP-1	L2038800-03	SODIUM, TOTAL	9/17/2020	324	Y	Y				0.1	0.0293	mg/l
DUP-1	L2038800-03	IRON, TOTAL	9/17/2020	37.9	Y	Y				0.05	0.0191	mg/l
DUP-1	L2038800-03	LEAD, TOTAL	9/17/2020		Y	N	U		U	0.001	0.00034	mg/l
DUP-1	L2038800-03	POTASSIUM, TOTAL	9/17/2020	16.5	Y	Y				0.1	0.0309	mg/l
DUP-1	L2038800-03	NICKEL, TOTAL	9/17/2020	0.7293	Y	Y				0.002	0.00055	mg/l
DUP-1	L2038800-03	MANGANESE, TOTAL	9/17/2020	3.468	Y	Y				0.001	0.00044	mg/l
DUP-1	L2038800-03	MAGNESIUM, TOTAL	9/17/2020	78.2	Y	Y				0.07	0.0242	mg/l
DUP-1	L2038800-03	ANTIMONY, TOTAL	9/17/2020		Y	N	J	U	U	0.004	0.00042	mg/l
DUP-1	L2038800-03	ZINC, TOTAL	9/17/2020	0.00862	Y	Y	J		J	0.01	0.00341	mg/l

SDG: L2038800

Analytical Method SW6020B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP-1	L2038800-03	COBALT, TOTAL	9/17/2020	0.00984	Y	Y				0.0005	0.00016	mg/l
DUP-1	L2038800-03	CADMIUM, TOTAL	9/17/2020		Y	N	U		U	0.0002	0.00005	mg/l
DUP-1	L2038800-03	COPPER, TOTAL	9/17/2020	0.00043	Y	Y	J		J	0.001	0.00038	mg/l
DUP-1	L2038800-03	THALLIUM, TOTAL	9/17/2020		Y	N	J	U	U	0.0005	0.00014	mg/l
DUP-1	L2038800-03	BERYLLIUM, TOTAL	9/17/2020		Y	N	U		U	0.0005	0.0001	mg/l
DUP-1	L2038800-03	ALUMINUM, TOTAL	9/17/2020	0.0204	Y	Y				0.01	0.00327	mg/l
DUP-1	L2038800-03	ARSENIC, TOTAL	9/17/2020	0.00059	Y	Y				0.0005	0.00016	mg/l
DUP-1	L2038800-03	BARIUM, TOTAL	9/17/2020	0.1002	Y	Y				0.0005	0.00017	mg/l
DUP-1	L2038800-03	CALCIUM, TOTAL	9/17/2020	190	Y	Y				0.1	0.0394	mg/l
FIELD BLANK	L2038800-05	ZINC, TOTAL	9/17/2020		Y	N	U		U	0.01	0.00341	mg/l
FIELD BLANK	L2038800-05	VANADIUM, TOTAL	9/17/2020		Y	N	U		U	0.005	0.00157	mg/l
FIELD BLANK	L2038800-05	BARIUM, TOTAL	9/17/2020		Y	N	U		U	0.0005	0.00017	mg/l
FIELD BLANK	L2038800-05	LEAD, TOTAL	9/17/2020		Y	N	U		U	0.001	0.00034	mg/l
FIELD BLANK	L2038800-05	SELENIUM, TOTAL	9/17/2020		Y	N	U		U	0.005	0.00173	mg/l
FIELD BLANK	L2038800-05	POTASSIUM, TOTAL	9/17/2020		Y	N	U		U	0.1	0.0309	mg/l
FIELD BLANK	L2038800-05	NICKEL, TOTAL	9/17/2020		Y	N	U		U	0.002	0.00055	mg/l
FIELD BLANK	L2038800-05	MANGANESE, TOTAL	9/17/2020		Y	N	U		U	0.001	0.00044	mg/l
FIELD BLANK	L2038800-05	MAGNESIUM, TOTAL	9/17/2020		Y	N	U		U	0.07	0.0242	mg/l
FIELD BLANK	L2038800-05	SILVER, TOTAL	9/17/2020		Y	N	U		U	0.0004	0.00016	mg/l
FIELD BLANK	L2038800-05	IRON, TOTAL	9/17/2020		Y	N	U		U	0.05	0.0191	mg/l
FIELD BLANK	L2038800-05	COPPER, TOTAL	9/17/2020		Y	N	U		U	0.001	0.00038	mg/l
FIELD BLANK	L2038800-05	COBALT, TOTAL	9/17/2020		Y	N	U		U	0.0005	0.00016	mg/l
FIELD BLANK	L2038800-05	ANTIMONY, TOTAL	9/17/2020	0.00251	Y	Y	J		J	0.004	0.00042	mg/l

SDG: L2038800

Analytical Method SW6020B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FIELD BLANK	L2038800-05	ARSENIC, TOTAL	9/17/2020		Y	N	U		U	0.0005	0.00016	mg/l
FIELD BLANK	L2038800-05	ALUMINUM, TOTAL	9/17/2020		Y	N	U		U	0.01	0.00327	mg/l
FIELD BLANK	L2038800-05	CALCIUM, TOTAL	9/17/2020	0.0496	Y	Y	J		J	0.1	0.0394	mg/l
FIELD BLANK	L2038800-05	THALLIUM, TOTAL	9/17/2020	0.00018	Y	Y	J		J	0.0005	0.00014	mg/l
FIELD BLANK	L2038800-05	SODIUM, TOTAL	9/17/2020	0.204	Y	Y				0.1	0.0293	mg/l
FIELD BLANK	L2038800-05	CHROMIUM, TOTAL	9/17/2020		Y	N	U		U	0.001	0.00017	mg/l
FIELD BLANK	L2038800-05	CADMIUM, TOTAL	9/17/2020		Y	N	U		U	0.0002	0.00005	mg/l
FIELD BLANK	L2038800-05	BERYLLIUM, TOTAL	9/17/2020		Y	N	U		U	0.0005	0.0001	mg/l
MW-208D	L2038800-01	IRON, TOTAL	9/17/2020	379	Y	Y				0.5	0.191	mg/l
MW-208D	L2038800-01	ZINC, TOTAL	9/17/2020	2.173	Y	Y				0.1	0.0341	mg/l
MW-208D	L2038800-01	VANADIUM, TOTAL	9/17/2020	0.2197	Y	Y				0.05	0.0157	mg/l
MW-208D	L2038800-01	SODIUM, TOTAL	9/17/2020	310	Y	Y				1	0.293	mg/l
MW-208D	L2038800-01	POTASSIUM, TOTAL	9/17/2020	222	Y	Y				1	0.309	mg/l
MW-208D	L2038800-01	NICKEL, TOTAL	9/17/2020	4.472	Y	Y				0.02	0.00556	mg/l
MW-208D	L2038800-01	MANGANESE, TOTAL	9/17/2020	19.62	Y	Y				0.01	0.0044	mg/l
MW-208D	L2038800-01	SELENIUM, TOTAL	9/17/2020		Y	N	U		U	0.05	0.0173	mg/l
MW-208D	L2038800-01	LEAD, TOTAL	9/17/2020	0.1812	Y	Y				0.01	0.00343	mg/l
MW-208D	L2038800-01	CHROMIUM, TOTAL	9/17/2020	1.945	Y	Y				0.01	0.00178	mg/l
MW-208D	L2038800-01	COPPER, TOTAL	9/17/2020	4.035	Y	Y				0.01	0.00384	mg/l
MW-208D	L2038800-01	COBALT, TOTAL	9/17/2020	0.1718	Y	Y				0.005	0.00163	mg/l
MW-208D	L2038800-01	CALCIUM, TOTAL	9/17/2020	1620	Y	Y				1	0.394	mg/l
MW-208D	L2038800-01	BARIUM, TOTAL	9/17/2020	3.043	Y	Y				0.005	0.00173	mg/l
MW-208D	L2038800-01	ARSENIC, TOTAL	9/17/2020	0.01481	Y	Y				0.005	0.00165	mg/l

SDG: L2038800

Analytical Method SW6020B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-208D	L2038800-01	ALUMINUM, TOTAL	9/17/2020	107	Y	Y				0.1	0.0327	mg/l
MW-208D	L2038800-01	MAGNESIUM, TOTAL	9/17/2020	485	Y	Y				0.7	0.242	mg/l
MW-208D	L2038800-01	CADMIUM, TOTAL	9/17/2020	0.00123	Y	Y	J		J	0.002	0.00059	mg/l
MW-208D	L2038800-01	BERYLLIUM, TOTAL	9/17/2020	0.07649	Y	Y				0.005	0.00107	mg/l
MW-208D	L2038800-01	SILVER, TOTAL	9/17/2020	0.0017	Y	Y	J		J	0.004	0.00163	mg/l
MW-208D	L2038800-01	THALLIUM, TOTAL	9/17/2020		Y	N	J	U	U	0.005	0.00143	mg/l
MW-208D	L2038800-01	ANTIMONY, TOTAL	9/17/2020		Y	N	J	U	U	0.04	0.00429	mg/l
MW-208S	L2038800-02	THALLIUM, TOTAL	9/17/2020		Y	N	U		U	0.0005	0.00014	mg/l
MW-208S	L2038800-02	VANADIUM, TOTAL	9/17/2020		Y	N	U		U	0.005	0.00157	mg/l
MW-208S	L2038800-02	CALCIUM, TOTAL	9/17/2020	191	Y	Y				0.1	0.0394	mg/l
MW-208S	L2038800-02	SILVER, TOTAL	9/17/2020		Y	N	U		U	0.0004	0.00016	mg/l
MW-208S	L2038800-02	IRON, TOTAL	9/17/2020	36.8	Y	Y				0.05	0.0191	mg/l
MW-208S	L2038800-02	MAGNESIUM, TOTAL	9/17/2020	78.4	Y	Y				0.07	0.0242	mg/l
MW-208S	L2038800-02	NICKEL, TOTAL	9/17/2020	0.7278	Y	Y				0.002	0.00055	mg/l
MW-208S	L2038800-02	POTASSIUM, TOTAL	9/17/2020	17	Y	Y				0.1	0.0309	mg/l
MW-208S	L2038800-02	COPPER, TOTAL	9/17/2020	0.00049	Y	Y	J		J	0.001	0.00038	mg/l
MW-208S	L2038800-02	SODIUM, TOTAL	9/17/2020	340	Y	Y				0.1	0.0293	mg/l
MW-208S	L2038800-02	COBALT, TOTAL	9/17/2020	0.01014	Y	Y				0.0005	0.00016	mg/l
MW-208S	L2038800-02	ZINC, TOTAL	9/17/2020	0.00844	Y	Y	J		J	0.01	0.00341	mg/l
MW-208S	L2038800-02	SELENIUM, TOTAL	9/17/2020		Y	N	U		U	0.005	0.00173	mg/l
MW-208S	L2038800-02	MANGANESE, TOTAL	9/17/2020	3.493	Y	Y				0.001	0.00044	mg/l
MW-208S	L2038800-02	ALUMINUM, TOTAL	9/17/2020	0.0394	Y	Y				0.01	0.00327	mg/l
MW-208S	L2038800-02	ARSENIC, TOTAL	9/17/2020	0.00061	Y	Y				0.0005	0.00016	mg/l

Analytical Method SW6020B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-208S	L2038800-02	BARIUM, TOTAL	9/17/2020	0.1041	Y	Y				0.0005	0.00017	mg/l
MW-208S	L2038800-02	ANTIMONY, TOTAL	9/17/2020		Y	N	U		U	0.004	0.00042	mg/l
MW-208S	L2038800-02	BERYLLIUM, TOTAL	9/17/2020		Y	N	U		U	0.0005	0.0001	mg/l
MW-208S	L2038800-02	CADMIUM, TOTAL	9/17/2020		Y	N	U		U	0.0002	0.00005	mg/l
MW-208S	L2038800-02	CHROMIUM, TOTAL	9/17/2020		Y	N	U		U	0.001	0.00017	mg/l
MW-208S	L2038800-02	LEAD, TOTAL	9/17/2020		Y	N	U		U	0.001	0.00034	mg/l

Analytical Method SW7470A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP-1	L2038800-03	MERCURY, TOTAL	9/17/2020		Y	N	U		U	0.0002	0.00009	mg/l
FIELD BLANK	L2038800-05	MERCURY, TOTAL	9/17/2020		Y	N	U		U	0.0002	0.00009	mg/l
MW-208D	L2038800-01	MERCURY, TOTAL	9/17/2020	0.00014	Y	Y	J		J	0.0002	0.00009	mg/l
MW-208S	L2038800-02	MERCURY, TOTAL	9/17/2020		Y	N	U		U	0.0002	0.00009	mg/l

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP-1	L2038800-03	1,2-DICHLOROPROPANE	9/17/2020		Y	N	U		U	2	0.27	ug/l
DUP-1	L2038800-03	1,3,5-TRIMETHYLBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	1,3-DICHLOROBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	1,3-DICHLOROPROPANE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	1,2-DICHLOROETHANE	9/17/2020		Y	N	U		U	1	0.26	ug/l
DUP-1	L2038800-03	1,3-DICHLOROPROPENE, TOTAL	9/17/2020		Y	N	U		U	1	0.29	ug/l
DUP-1	L2038800-03	1,4-DICHLOROBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	1,4-DIOXANE	9/17/2020		Y	N	U	UJ	UJ	500	120	ug/l
DUP-1	L2038800-03	2-HEXANONE	9/17/2020		Y	N	U	UJ	UJ	10	2	ug/l

SDG: L2038800

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP-1	L2038800-03	1,1,2,2-TETRACHLOROETHANE	9/17/2020		Y	N	U		U	1	0.33	ug/l
DUP-1	L2038800-03	4-METHYL-2-PENTANONE	9/17/2020		Y	N	U	UJ	UJ	10	2	ug/l
DUP-1	L2038800-03	2,2-DICHLOROPROPANE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	1,1,1,2-TETRACHLOROETHANE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	1,2-DICHLOROBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	1,2-DIBROMOETHANE	9/17/2020		Y	N	U		U	4	1.3	ug/l
DUP-1	L2038800-03	1,2-DIBROMO-3-CHLOROPROPANE	9/17/2020		Y	N	U	UJ	UJ	5	1.4	ug/l
DUP-1	L2038800-03	1,2,4-TRIMETHYLBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	1,2,4,5-TETRAMETHYLBENZENE	9/17/2020		Y	N	U		U	4	1.1	ug/l
DUP-1	L2038800-03	1,1,2-TRICHLOROETHANE	9/17/2020		Y	N	U		U	3	1	ug/l
DUP-1	L2038800-03	1,1-DICHLOROPROPENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	1,2,3-TRICHLOROPROPANE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	ACRYLONITRILE	9/17/2020		Y	N	U	UJ	UJ	10	3	ug/l
DUP-1	L2038800-03	1,2,3-TRICHLOROBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	1,2,4-TRICHLOROBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	4-ETHYLTOLUENE	9/17/2020		Y	N	U		U	4	1.4	ug/l
DUP-1	L2038800-03	XYLENE (TOTAL)	9/17/2020	3.5	Y	Y	J		J	5	1.4	ug/l
DUP-1	L2038800-03	CIS-1,2-DICHLOROETHENE	9/17/2020	3.6	Y	Y	J		J	5	1.4	ug/l
DUP-1	L2038800-03	O-XYLENE	9/17/2020	1.5	Y	Y	J		J	5	1.4	ug/l
DUP-1	L2038800-03	P/M-XYLENE	9/17/2020	2	Y	Y	J		J	5	1.4	ug/l
DUP-1	L2038800-03	1,2-DICHLOROETHENE (TOTAL)	9/17/2020	3.6	Y	Y	J		J	5	1.4	ug/l
DUP-1	L2038800-03	1,4-DIETHYLBENZENE	9/17/2020		Y	N	U		U	4	1.4	ug/l
DUP-1	L2038800-03	1,1,1-TRICHLOROETHANE	9/17/2020	57	Y	Y				5	1.4	ug/l

SDG: L2038800

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP-1	L2038800-03	TRANS-1,4-DICHLORO-2-BUTENE	9/17/2020		Y	N	U	UJ	UJ	5	1.4	ug/l
DUP-1	L2038800-03	TRANS-1,3-DICHLOROPROPENE	9/17/2020		Y	N	U		U	1	0.33	ug/l
DUP-1	L2038800-03	TRANS-1,2-DICHLOROETHENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	SEC-BUTYLBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	TERT-BUTYLBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	BENZENE	9/17/2020		Y	N	U		U	1	0.32	ug/l
DUP-1	L2038800-03	P-CHLOROTOLUENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	O-CHLOROTOLUENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	N-PROPYLBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	CARBON TETRACHLORIDE	9/17/2020		Y	N	U		U	1	0.27	ug/l
DUP-1	L2038800-03	CARBON DISULFIDE	9/17/2020		Y	N	U		U	10	2	ug/l
DUP-1	L2038800-03	BROMOMETHANE	9/17/2020		Y	N	U	UJ	UJ	5	1.4	ug/l
DUP-1	L2038800-03	BROMOFORM	9/17/2020		Y	N	U		U	4	1.3	ug/l
DUP-1	L2038800-03	BROMODICHLOROMETHANE	9/17/2020		Y	N	U		U	1	0.38	ug/l
DUP-1	L2038800-03	BROMOCHLOROMETHANE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	BROMOBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	VINYL CHLORIDE	9/17/2020	0.97	Y	Y	J		J	2	0.14	ug/l
DUP-1	L2038800-03	ACETONE	9/17/2020	230	Y	Y				10	2.9	ug/l
DUP-1	L2038800-03	P-ISOPROPYLTOLUENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	CHLOROBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	TETRACHLOROETHENE	9/17/2020	47	Y	Y				1	0.36	ug/l
DUP-1	L2038800-03	2-BUTANONE	9/17/2020	72	Y	Y				10	3.9	ug/l
DUP-1	L2038800-03	1,1-DICHLOROETHENE	9/17/2020	9	Y	Y				1	0.34	ug/l

SDG: L2038800

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP-1	L2038800-03	1,1-DICHLOROETHANE	9/17/2020	12	Y	Y				5	1.4	ug/l
DUP-1	L2038800-03	N-BUTYLBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	CIS-1,3-DICHLOROPROPENE	9/17/2020		Y	N	U		U	1	0.29	ug/l
DUP-1	L2038800-03	VINYL ACETATE	9/17/2020		Y	N	U		U	10	2	ug/l
DUP-1	L2038800-03	TRICHLOROFLUOROMETHANE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	TOLUENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	STYRENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	NAPHTHALENE	9/17/2020		Y	N	U	UJ	UJ	5	1.4	ug/l
DUP-1	L2038800-03	METHYLENE CHLORIDE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	CHLOROETHANE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	TRICHLOROETHENE	9/17/2020	14	Y	Y				1	0.35	ug/l
DUP-1	L2038800-03	CHLOROFORM	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	METHYL TERT BUTYL ETHER	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	DIBROMOCHLOROMETHANE	9/17/2020		Y	N	U		U	1	0.3	ug/l
DUP-1	L2038800-03	DIBROMOMETHANE	9/17/2020		Y	N	U		U	10	2	ug/l
DUP-1	L2038800-03	DICHLORODIFLUOROMETHANE	9/17/2020		Y	N	U		U	10	2	ug/l
DUP-1	L2038800-03	ETHYL ETHER	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	ETHYLBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	HEXACHLOROBUTADIENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	ISOPROPYLBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
DUP-1	L2038800-03	CHLOROMETHANE	9/17/2020		Y	N	U	UJ	UJ	5	1.4	ug/l
FIELD BLANK	L2038800-05	2,2-DICHLOROPROPANE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	DICHLORODIFLUOROMETHANE	9/17/2020		Y	N	U		U	5	1	ug/l

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FIELD BLANK	L2038800-05	ETHYL ETHER	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	ETHYLBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	HEXACHLOROBUTADIENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	ISOPROPYLBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	METHYL TERT BUTYL ETHER	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	1,4-DIOXANE	9/17/2020		Y	N	U	UJ	UJ	250	61	ug/l
FIELD BLANK	L2038800-05	1,4-DICHLOROBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	1,3-DICHLOROPROPANE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	DIBROMOMETHANE	9/17/2020		Y	N	U		U	5	1	ug/l
FIELD BLANK	L2038800-05	1,2-DICHLOROPROPANE	9/17/2020		Y	N	U		U	1	0.14	ug/l
FIELD BLANK	L2038800-05	TERT-BUTYLBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	1,2-DICHLOROETHENE (TOTAL)	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	STYRENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	1,3,5-TRIMETHYLBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	BROMOMETHANE	9/17/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	2-BUTANONE	9/17/2020		Y	N	U		U	5	1.9	ug/l
FIELD BLANK	L2038800-05	2-HEXANONE	9/17/2020		Y	N	U	UJ	UJ	5	1	ug/l
FIELD BLANK	L2038800-05	4-METHYL-2-PENTANONE	9/17/2020		Y	N	U	UJ	UJ	5	1	ug/l
FIELD BLANK	L2038800-05	ACETONE	9/17/2020		Y	N	U		U	5	1.5	ug/l
FIELD BLANK	L2038800-05	ACRYLONITRILE	9/17/2020		Y	N	U	UJ	UJ	5	1.5	ug/l
FIELD BLANK	L2038800-05	BENZENE	9/17/2020		Y	N	U		U	0.5	0.16	ug/l
FIELD BLANK	L2038800-05	BROMOBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	BROMOCHLOROMETHANE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l

SDG: L2038800

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FIELD BLANK	L2038800-05	CHLOROFORM	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	BROMOFORM	9/17/2020		Y	N	U		U	2	0.65	ug/l
FIELD BLANK	L2038800-05	DIBROMOCHLOROMETHANE	9/17/2020		Y	N	U		U	0.5	0.15	ug/l
FIELD BLANK	L2038800-05	CARBON DISULFIDE	9/17/2020		Y	N	U		U	5	1	ug/l
FIELD BLANK	L2038800-05	CARBON TETRACHLORIDE	9/17/2020		Y	N	U		U	0.5	0.13	ug/l
FIELD BLANK	L2038800-05	SEC-BUTYLBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	CHLOROBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	1,3-DICHLOROBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	CHLOROETHANE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	TETRACHLOROETHENE	9/17/2020		Y	N	U		U	0.5	0.18	ug/l
FIELD BLANK	L2038800-05	CHLOROMETHANE	9/17/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	BROMODICHLOROMETHANE	9/17/2020		Y	N	U		U	0.5	0.19	ug/l
FIELD BLANK	L2038800-05	1,3-DICHLOROPROPENE, TOTAL	9/17/2020		Y	N	U		U	0.5	0.14	ug/l
FIELD BLANK	L2038800-05	NAPHTHALENE	9/17/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	TRICHLOROETHENE	9/17/2020		Y	N	U		U	0.5	0.18	ug/l
FIELD BLANK	L2038800-05	TRICHLOROFLUOROMETHANE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	VINYL ACETATE	9/17/2020		Y	N	U		U	5	1	ug/l
FIELD BLANK	L2038800-05	TRANS-1,3-DICHLOROPROPENE	9/17/2020		Y	N	U		U	0.5	0.16	ug/l
FIELD BLANK	L2038800-05	VINYL CHLORIDE	9/17/2020		Y	N	U		U	1	0.07	ug/l
FIELD BLANK	L2038800-05	XYLENE (TOTAL)	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	CIS-1,2-DICHLOROETHENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	TOLUENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	N-BUTYLBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FIELD BLANK	L2038800-05	CIS-1,3-DICHLOROPROPENE	9/17/2020		Y	N	U		U	0.5	0.14	ug/l
FIELD BLANK	L2038800-05	O-CHLOROTOLUENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	O-XYLENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	METHYLENE CHLORIDE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	P-CHLOROTOLUENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	1,4-DIETHYLBENZENE	9/17/2020		Y	N	U		U	2	0.7	ug/l
FIELD BLANK	L2038800-05	4-ETHYLTOLUENE	9/17/2020		Y	N	U		U	2	0.7	ug/l
FIELD BLANK	L2038800-05	P-ISOPROPYLTOLUENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	P/M-XYLENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	TRANS-1,2-DICHLOROETHENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	1,2,4-TRIMETHYLBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	N-PROPYLBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	1,1,1,2-TETRACHLOROETHANE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	1,2-DICHLOROETHANE	9/17/2020		Y	N	U		U	0.5	0.13	ug/l
FIELD BLANK	L2038800-05	1,2-DICHLOROBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	1,2-DIBROMO-3-CHLOROPROPANE	9/17/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	1,2,4-TRICHLOROBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	1,2,4,5-TETRAMETHYLBENZENE	9/17/2020		Y	N	U		U	2	0.54	ug/l
FIELD BLANK	L2038800-05	1,2,3-TRICHLOROPROPANE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	1,2,3-TRICHLOROBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	1,1,2,2-TETRACHLOROETHANE	9/17/2020		Y	N	U		U	0.5	0.17	ug/l
FIELD BLANK	L2038800-05	TRANS-1,4-DICHLORO-2-BUTENE	9/17/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	1,1-DICHLOROETHENE	9/17/2020		Y	N	U		U	0.5	0.17	ug/l

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FIELD BLANK	L2038800-05	1,1-DICHLOROETHANE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	1,1,2-TRICHLOROETHANE	9/17/2020		Y	N	U		U	1.5	0.5	ug/l
FIELD BLANK	L2038800-05	1,1-DICHLOROPROPENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
FIELD BLANK	L2038800-05	1,2-DIBROMOETHANE	9/17/2020		Y	N	U		U	2	0.65	ug/l
FIELD BLANK	L2038800-05	1,1,1-TRICHLOROETHANE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
MW-208D	L2038800-01	1,2-DIBROMO-3-CHLOROPROPANE	9/17/2020		Y	N	U	UJ	UJ	25	7	ug/l
MW-208D	L2038800-01	1,2-DIBROMOETHANE	9/17/2020		Y	N	U		U	20	6.5	ug/l
MW-208D	L2038800-01	1,2-DICHLOROBENZENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	1,2-DICHLOROETHANE	9/17/2020		Y	N	U		U	5	1.3	ug/l
MW-208D	L2038800-01	1,2-DICHLOROETHENE (TOTAL)	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	1,2-DICHLOROPROPANE	9/17/2020		Y	N	U		U	10	1.4	ug/l
MW-208D	L2038800-01	1,3,5-TRIMETHYLBENZENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	1,3-DICHLOROPROPANE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	1,2,4-TRIMETHYLBENZENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	CYCLOHEXANONE	9/17/2020	12.2	Y	Y	NJ		J			
MW-208D	L2038800-01	1,4-DICHLOROBENZENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	1,3-DICHLOROPROPENE, TOTAL	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208D	L2038800-01	1,3-DICHLOROBENZENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	1,2,4-TRICHLOROBENZENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	1,2,4,5-TETRAMETHYLBENZENE	9/17/2020		Y	N	U		U	20	5.4	ug/l
MW-208D	L2038800-01	1,2,3-TRICHLOROPROPANE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	1,2,3-TRICHLOROBENZENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	1,1-DICHLOROPROPENE	9/17/2020		Y	N	U		U	25	7	ug/l

SDG: L2038800

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-208D	L2038800-01	1,1,2-TRICHLOROETHANE	9/17/2020		Y	N	U		U	15	5	ug/l
MW-208D	L2038800-01	1,1,2,2-TETRACHLOROETHANE	9/17/2020		Y	N	U		U	5	1.7	ug/l
MW-208D	L2038800-01	1,4-DIOXANE	9/17/2020		Y	N	U	UJ	UJ	2500	610	ug/l
MW-208D	L2038800-01	TRICHLOROETHENE	9/17/2020	15	Y	Y				5	1.8	ug/l
MW-208D	L2038800-01	1,4-DIETHYLBENZENE	9/17/2020		Y	N	U		U	20	7	ug/l
MW-208D	L2038800-01	TETRACHLOROETHENE	9/17/2020	3.1	Y	Y	J		J	5	1.8	ug/l
MW-208D	L2038800-01	TOTAL TIC COMPOUNDS	9/17/2020	12.2	Y	Y	J		J			
MW-208D	L2038800-01	1,1,1,2-TETRACHLOROETHANE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	P-ISOPROPYLTOLUENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	O-XYLENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	TRICHLOROFLUOROMETHANE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	VINYL ACETATE	9/17/2020		Y	N	U		U	50	10	ug/l
MW-208D	L2038800-01	VINYL CHLORIDE	9/17/2020		Y	N	U		U	10	0.71	ug/l
MW-208D	L2038800-01	XYLENE (TOTAL)	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	CIS-1,2-DICHLOROETHENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	CIS-1,3-DICHLOROPROPENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208D	L2038800-01	N-BUTYLBENZENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	N-PROPYLBENZENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	O-CHLOROTOLUENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	STYRENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	4-ETHYLTOLUENE	9/17/2020		Y	N	U		U	20	7	ug/l
MW-208D	L2038800-01	NAPHTHALENE	9/17/2020		Y	N	U	UJ	UJ	25	7	ug/l
MW-208D	L2038800-01	P/M-XYLENE	9/17/2020		Y	N	U		U	25	7	ug/l

SDG: L2038800

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-208D	L2038800-01	SEC-BUTYLBENZENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	TERT-BUTYLBENZENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	TRANS-1,2-DICHLOROETHENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	TRANS-1,3-DICHLOROPROPENE	9/17/2020		Y	N	U		U	5	1.6	ug/l
MW-208D	L2038800-01	TRANS-1,4-DICHLORO-2-BUTENE	9/17/2020		Y	N	U	UJ	UJ	25	7	ug/l
MW-208D	L2038800-01	ACETONE	9/17/2020	1000	Y	Y				50	15	ug/l
MW-208D	L2038800-01	2-BUTANONE	9/17/2020	290	Y	Y				50	19	ug/l
MW-208D	L2038800-01	1,1-DICHLOROETHENE	9/17/2020	6.8	Y	Y				5	1.7	ug/l
MW-208D	L2038800-01	1,1-DICHLOROETHANE	9/17/2020	26	Y	Y				25	7	ug/l
MW-208D	L2038800-01	1,1,1-TRICHLOROETHANE	9/17/2020	31	Y	Y				25	7	ug/l
MW-208D	L2038800-01	P-CHLOROTOLUENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	CHLOROETHANE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	2-HEXANONE	9/17/2020		Y	N	U	UJ	UJ	50	10	ug/l
MW-208D	L2038800-01	4-METHYL-2-PENTANONE	9/17/2020		Y	N	U	UJ	UJ	50	10	ug/l
MW-208D	L2038800-01	ACRYLONITRILE	9/17/2020		Y	N	U	UJ	UJ	50	15	ug/l
MW-208D	L2038800-01	BENZENE	9/17/2020		Y	N	U		U	5	1.6	ug/l
MW-208D	L2038800-01	BROMOBENZENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	BROMOCHLOROMETHANE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	BROMODICHLOROMETHANE	9/17/2020		Y	N	U		U	5	1.9	ug/l
MW-208D	L2038800-01	BROMOFORM	9/17/2020		Y	N	U		U	20	6.5	ug/l
MW-208D	L2038800-01	BROMOMETHANE	9/17/2020		Y	N	U	UJ	UJ	25	7	ug/l
MW-208D	L2038800-01	CARBON DISULFIDE	9/17/2020		Y	N	U		U	50	10	ug/l
MW-208D	L2038800-01	TOLUENE	9/17/2020		Y	N	U		U	25	7	ug/l

SDG: L2038800

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-208D	L2038800-01	CHLOROBENZENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	2,2-DICHLOROPROPANE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	CHLOROFORM	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	CHLOROMETHANE	9/17/2020		Y	N	U	UJ	UJ	25	7	ug/l
MW-208D	L2038800-01	DIBROMOCHLOROMETHANE	9/17/2020		Y	N	U		U	5	1.5	ug/l
MW-208D	L2038800-01	DIBROMOMETHANE	9/17/2020		Y	N	U		U	50	10	ug/l
MW-208D	L2038800-01	DICHLORODIFLUOROMETHANE	9/17/2020		Y	N	U		U	50	10	ug/l
MW-208D	L2038800-01	ETHYL ETHER	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	ETHYLBENZENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	HEXACHLOROBUTADIENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	ISOPROPYLBENZENE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	METHYL TERT BUTYL ETHER	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	METHYLENE CHLORIDE	9/17/2020		Y	N	U		U	25	7	ug/l
MW-208D	L2038800-01	CARBON TETRACHLORIDE	9/17/2020		Y	N	U		U	5	1.3	ug/l
MW-208S	L2038800-02	1,2-DICHLOROBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	CHLOROETHANE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	BROMOBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	BROMOCHLOROMETHANE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	BROMODICHLOROMETHANE	9/17/2020		Y	N	U		U	1	0.38	ug/l
MW-208S	L2038800-02	BROMOFORM	9/17/2020		Y	N	U		U	4	1.3	ug/l
MW-208S	L2038800-02	BROMOMETHANE	9/17/2020		Y	N	U	UJ	UJ	5	1.4	ug/l
MW-208S	L2038800-02	CARBON DISULFIDE	9/17/2020		Y	N	U		U	10	2	ug/l
MW-208S	L2038800-02	METHYL TERT BUTYL ETHER	9/17/2020		Y	N	U		U	5	1.4	ug/l

SDG: L2038800

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-208S	L2038800-02	CHLOROBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	4-METHYL-2-PENTANONE	9/17/2020		Y	N	U	UJ	UJ	10	2	ug/l
MW-208S	L2038800-02	CHLOROFORM	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	CHLOROMETHANE	9/17/2020		Y	N	U	UJ	UJ	5	1.4	ug/l
MW-208S	L2038800-02	DIBROMOCHLOROMETHANE	9/17/2020		Y	N	U		U	1	0.3	ug/l
MW-208S	L2038800-02	DIBROMOMETHANE	9/17/2020		Y	N	U		U	10	2	ug/l
MW-208S	L2038800-02	DICHLORODIFLUOROMETHANE	9/17/2020		Y	N	U		U	10	2	ug/l
MW-208S	L2038800-02	ETHYLBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	ISOPROPYLBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	CARBON TETRACHLORIDE	9/17/2020		Y	N	U		U	1	0.27	ug/l
MW-208S	L2038800-02	1,3-DICHLOROBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	1,2-DIBROMO-3-CHLOROPROPANE	9/17/2020		Y	N	U	UJ	UJ	5	1.4	ug/l
MW-208S	L2038800-02	1,2-DICHLOROETHENE (TOTAL)	9/17/2020	3.5	Y	Y	J		J	5	1.4	ug/l
MW-208S	L2038800-02	1,2,4,5-TETRAMETHYLBENZENE	9/17/2020		Y	N	U		U	4	1.1	ug/l
MW-208S	L2038800-02	1,2,4-TRICHLOROBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	1,2,4-TRIMETHYLBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	1,2-DIBROMOETHANE	9/17/2020		Y	N	U		U	4	1.3	ug/l
MW-208S	L2038800-02	1,2-DICHLOROETHANE	9/17/2020		Y	N	U		U	1	0.26	ug/l
MW-208S	L2038800-02	BENZENE	9/17/2020		Y	N	U		U	1	0.32	ug/l
MW-208S	L2038800-02	1,3,5-TRIMETHYLBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	ACRYLONITRILE	9/17/2020		Y	N	U	UJ	UJ	10	3	ug/l
MW-208S	L2038800-02	1,3-DICHLOROPROPANE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	1,3-DICHLOROPROPENE, TOTAL	9/17/2020		Y	N	U		U	1	0.29	ug/l

SDG: L2038800

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-208S	L2038800-02	1,4-DICHLOROBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	1,4-DIOXANE	9/17/2020		Y	N	U	UJ	UJ	500	120	ug/l
MW-208S	L2038800-02	2,2-DICHLOROPROPANE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	2-HEXANONE	9/17/2020		Y	N	U	UJ	UJ	10	2	ug/l
MW-208S	L2038800-02	HEXACHLOROBUTADIENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	1,2-DICHLOROPROPANE	9/17/2020		Y	N	U		U	2	0.27	ug/l
MW-208S	L2038800-02	1,1-DICHLOROPROPENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	METHYLENE CHLORIDE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	1,1-DICHLOROETHANE	9/17/2020	12	Y	Y				5	1.4	ug/l
MW-208S	L2038800-02	ETHYL ETHER	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	2-BUTANONE	9/17/2020	70	Y	Y				10	3.9	ug/l
MW-208S	L2038800-02	ACETONE	9/17/2020	220	Y	Y				10	2.9	ug/l
MW-208S	L2038800-02	TETRACHLOROETHENE	9/17/2020	44	Y	Y				1	0.36	ug/l
MW-208S	L2038800-02	TRICHLOROETHENE	9/17/2020	13	Y	Y				1	0.35	ug/l
MW-208S	L2038800-02	TRANS-1,4-DICHLORO-2-BUTENE	9/17/2020		Y	N	U	UJ	UJ	5	1.4	ug/l
MW-208S	L2038800-02	1,2,3-TRICHLOROBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	1,1,1-TRICHLOROETHANE	9/17/2020	55	Y	Y				5	1.4	ug/l
MW-208S	L2038800-02	1,1,2-TRICHLOROETHANE	9/17/2020		Y	N	U		U	3	1	ug/l
MW-208S	L2038800-02	1,1,2,2-TETRACHLOROETHANE	9/17/2020		Y	N	U		U	1	0.33	ug/l
MW-208S	L2038800-02	1,1,1,2-TETRACHLOROETHANE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	P/M-XYLENE	9/17/2020	1.8	Y	Y	J		J	5	1.4	ug/l
MW-208S	L2038800-02	O-XYLENE	9/17/2020	1.4	Y	Y	J		J	5	1.4	ug/l
MW-208S	L2038800-02	CIS-1,2-DICHLOROETHENE	9/17/2020	3.5	Y	Y	J		J	5	1.4	ug/l

SDG: L2038800

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW-208S	L2038800-02	XYLENE (TOTAL)	9/17/2020	3.2	Y	Y	J		J	5	1.4	ug/l
MW-208S	L2038800-02	VINYL CHLORIDE	9/17/2020	0.95	Y	Y	J		J	2	0.14	ug/l
MW-208S	L2038800-02	1,2,3-TRICHLOROPROPANE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	CIS-1,3-DICHLOROPROPENE	9/17/2020		Y	N	U		U	1	0.29	ug/l
MW-208S	L2038800-02	NAPHTHALENE	9/17/2020		Y	N	U	UJ	UJ	5	1.4	ug/l
MW-208S	L2038800-02	STYRENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	TOLUENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	1,1-DICHLOROETHENE	9/17/2020	9.4	Y	Y				1	0.34	ug/l
MW-208S	L2038800-02	VINYL ACETATE	9/17/2020		Y	N	U		U	10	2	ug/l
MW-208S	L2038800-02	TRANS-1,3-DICHLOROPROPENE	9/17/2020		Y	N	U		U	1	0.33	ug/l
MW-208S	L2038800-02	N-BUTYLBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	N-PROPYLBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	P-CHLOROTOLUENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	1,4-DIETHYLBENZENE	9/17/2020		Y	N	U		U	4	1.4	ug/l
MW-208S	L2038800-02	4-ETHYLTOLUENE	9/17/2020		Y	N	U		U	4	1.4	ug/l
MW-208S	L2038800-02	P-ISOPROPYLTOLUENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	SEC-BUTYLBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	O-CHLOROTOLUENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	TRICHLOROFLUOROMETHANE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	TERT-BUTYLBENZENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
MW-208S	L2038800-02	TRANS-1,2-DICHLOROETHENE	9/17/2020		Y	N	U		U	5	1.4	ug/l
TRIP BLANK	L2038800-04	1,2,4-TRIMETHYLBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	1,1-DICHLOROETHANE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l

SDG: L2038800

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
TRIP BLANK	L2038800-04	1,1,2-TRICHLOROETHANE	9/17/2020		Y	N	U		U	1.5	0.5	ug/l
TRIP BLANK	L2038800-04	1,1,2,2-TETRACHLOROETHANE	9/17/2020		Y	N	U		U	0.5	0.17	ug/l
TRIP BLANK	L2038800-04	1,1,1,2-TETRACHLOROETHANE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	1,1-DICHLOROETHENE	9/17/2020		Y	N	U		U	0.5	0.17	ug/l
TRIP BLANK	L2038800-04	1,1,1-TRICHLOROETHANE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	METHYLENE CHLORIDE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	1,1-DICHLOROPROPENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	VINYL ACETATE	9/17/2020		Y	N	U		U	5	1	ug/l
TRIP BLANK	L2038800-04	TRICHLOROFLUOROMETHANE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	TRICHLOROETHENE	9/17/2020		Y	N	U		U	0.5	0.18	ug/l
TRIP BLANK	L2038800-04	TOLUENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	TETRACHLOROETHENE	9/17/2020		Y	N	U		U	0.5	0.18	ug/l
TRIP BLANK	L2038800-04	XYLENE (TOTAL)	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	NAPHTHALENE	9/17/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	CIS-1,2-DICHLOROETHENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	METHYL TERT BUTYL ETHER	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	ISOPROPYLBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	HEXACHLOROBUTADIENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	ETHYLBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	1,2,4,5-TETRAMETHYLBENZENE	9/17/2020		Y	N	U		U	2	0.54	ug/l
TRIP BLANK	L2038800-04	DICHLORODIFLUOROMETHANE	9/17/2020		Y	N	U		U	5	1	ug/l
TRIP BLANK	L2038800-04	STYRENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	1,4-DIETHYLBENZENE	9/17/2020		Y	N	U		U	2	0.7	ug/l

SDG: L2038800

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
TRIP BLANK	L2038800-04	TRANS-1,4-DICHLORO-2-BUTENE	9/17/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	TRANS-1,3-DICHLOROPROPENE	9/17/2020		Y	N	U		U	0.5	0.16	ug/l
TRIP BLANK	L2038800-04	TRANS-1,2-DICHLOROETHENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	TERT-BUTYLBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	SEC-BUTYLBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	P/M-XYLENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	VINYL CHLORIDE	9/17/2020		Y	N	U		U	1	0.07	ug/l
TRIP BLANK	L2038800-04	4-ETHYLTOLUENE	9/17/2020		Y	N	U		U	2	0.7	ug/l
TRIP BLANK	L2038800-04	DIBROMOMETHANE	9/17/2020		Y	N	U		U	5	1	ug/l
TRIP BLANK	L2038800-04	P-CHLOROTOLUENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	O-XYLENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	O-CHLOROTOLUENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	N-PROPYLBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	N-BUTYLBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	CIS-1,3-DICHLOROPROPENE	9/17/2020		Y	N	U		U	0.5	0.14	ug/l
TRIP BLANK	L2038800-04	P-ISOPROPYLTOLUENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	1,2-DICHLOROETHANE	9/17/2020		Y	N	U		U	0.5	0.13	ug/l
TRIP BLANK	L2038800-04	1,4-DIOXANE	9/17/2020		Y	N	U	UJ	UJ	250	61	ug/l
TRIP BLANK	L2038800-04	ETHYL ETHER	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	1,3-DICHLOROPROPENE, TOTAL	9/17/2020		Y	N	U		U	0.5	0.14	ug/l
TRIP BLANK	L2038800-04	1,3-DICHLOROPROPANE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	1,3-DICHLOROBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	1,3,5-TRIMETHYLBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l

SDG: L2038800

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
TRIP BLANK	L2038800-04	DIBROMOCHLOROMETHANE	9/17/2020		Y	N	U		U	0.5	0.15	ug/l
TRIP BLANK	L2038800-04	1,2-DICHLOROETHENE (TOTAL)	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	2,2-DICHLOROPROPANE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	1,2-DICHLOROBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	1,2-DIBROMOETHANE	9/17/2020		Y	N	U		U	2	0.65	ug/l
TRIP BLANK	L2038800-04	1,2-DIBROMO-3-CHLOROPROPANE	9/17/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	1,2,4-TRICHLOROBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	1,2,3-TRICHLOROPROPANE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	1,2,3-TRICHLOROBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	1,2-DICHLOROPROPANE	9/17/2020		Y	N	U		U	1	0.14	ug/l
TRIP BLANK	L2038800-04	BROMODICHLOROMETHANE	9/17/2020		Y	N	U		U	0.5	0.19	ug/l
TRIP BLANK	L2038800-04	CHLOROETHANE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	CHLOROBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	CARBON TETRACHLORIDE	9/17/2020		Y	N	U		U	0.5	0.13	ug/l
TRIP BLANK	L2038800-04	CARBON DISULFIDE	9/17/2020		Y	N	U		U	5	1	ug/l
TRIP BLANK	L2038800-04	BROMOMETHANE	9/17/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	1,4-DICHLOROBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	CHLOROMETHANE	9/17/2020		Y	N	U	UJ	UJ	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	CHLOROFORM	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	BROMOFORM	9/17/2020		Y	N	U		U	2	0.65	ug/l
TRIP BLANK	L2038800-04	BROMOCHLOROMETHANE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	BROMOBENZENE	9/17/2020		Y	N	U		U	2.5	0.7	ug/l
TRIP BLANK	L2038800-04	BENZENE	9/17/2020		Y	N	U		U	0.5	0.16	ug/l

SDG: L2038800

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
TRIP BLANK	L2038800-04	ACRYLONITRILE	9/17/2020		Y	N	U	UJ	UJ	5	1.5	ug/l
TRIP BLANK	L2038800-04	ACETONE	9/17/2020		Y	N	U		U	5	1.5	ug/l
TRIP BLANK	L2038800-04	4-METHYL-2-PENTANONE	9/17/2020		Y	N	U	UJ	UJ	5	1	ug/l
TRIP BLANK	L2038800-04	2-HEXANONE	9/17/2020		Y	N	U	UJ	UJ	5	1	ug/l
TRIP BLANK	L2038800-04	2-BUTANONE	9/17/2020		Y	N	U		U	5	1.9	ug/l

Analytical Method SW8270DSIM

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP-1	L2038800-03	1,4-DIOXANE	9/19/2020	2280	Y	Y				144	32.6	ng/l
FIELD BLANK	L2038800-05	1,4-DIOXANE	9/19/2020		Y	N	U		U	150	33.9	ng/l
MW-208D	L2038800-01	1,4-DIOXANE	9/19/2020	8080	Y	Y				144	32.6	ng/l
MW-208S	L2038800-02	1,4-DIOXANE	9/19/2020	2220	Y	Y				144	32.6	ng/l

Site: 33 Centre Avenue
Laboratory: Alpha Analytical, Inc.
Report No.: L2038903
Reviewer: Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for SESI Consulting Engineers – Pine Brook, NJ
Date: October 23, 2020

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-210D	L2038903-01	VOC
MW-210I	L2038903-02	VOC

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed water samples were collected on September 17, 2020 and were analyzed for volatile organic compounds (VOC) by SW-846 method 8260C. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C,* SOP HW-24, Revision 4 (October 2014) and the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-2017-002 (January 2017), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards/Labeled Compounds
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

Initial calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
09/11/20	ICAL-VOA122	1,4-Dioxane	0.00147 (≥0.005)	MW-210D MW-210I	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane results were estimated due to response factor exceedance. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Date	Instrument ID	Compound	ICV %D	Associated Samples		Validation Action
09/12/20	ICV-VOA122	Carbon disulfide	38.6	MW-210D MW-210I	SS	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The carbon disulfide results were estimated due to second source verification exceedance. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
09/18/20	CCV-VOA122	Bromomethane	38.7	MW-210D	XX	UJ nondetects
		Trichlorofluoromethane	24.1	MW-210I	XX	UJ nondetects
		Vinyl acetate	20.9		XX	UJ nondetects
		2,2-Dichloropropane	38.3		XX	UJ nondetects
		1,4-Dioxane	24.5		XX	UJ nondetects
		p-Isopropyltoluene	20.6		XX	UJ nondetects

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
09/18/20	CCV-VOA122	1,4-Dioxane	0.00111 (≥0.005)	MW-210D MW-210I	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The bromomethane, trichlorofluoromethane, vinyl acetate, 2,2-dichloropropane, 1,4-dioxane, and p-isopropyltoluene results were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The 1,4-dioxane results were estimated due to response factor exceedance. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

Contamination was detected in the associated VOC method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Blank ID	Compound TIC (RT in minutes)	Level Detected	Action Level	Associated Samples
WG1411648-5Blank	Hexachlorobutadiene	0.71 ug/L	RL	MW-210D
	Unknown (2.11)	1.97 ug/L	RL	MW-210I

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

Qualified sample results are listed in the table below.

Sample ID	Compound TIC (RT in minutes)	Level Detected	Validation Action
MW-210D	Unknown (2.11)	259 ug/L	259U ug/L

This result can be used for project objectives as a nondetect (U) which may have a minor impact on the data usability.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

MS/MSD analyses were not associated with this sample set. Validation action was not required on this basis.

LCS Results

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the VOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
WG1411648-3/4	Bromomethane	140 (39-139)	140 (39-139)	MW-210D	None
	2,2-Dichloropropane	140 (63-133)	140 (63-133)	MW-210I	None

- Within control limits

Validation action was not required for bromomethane and 2,2-dichloropropane due to high LCS/LCSD percent recoveries as positive results only are affected and these compounds were not detected in the associated samples.

Internal Standards

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC analysis. These results were qualified as estimated (J) by the laboratory.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	VOC Analysis Reported
MW-210D	100-fold dilution due to sample matrix
MW-210I	25-fold dilution due to sample matrix

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 49292F1a

SDG #: L2038903

Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET

Category B

Date: 10/20/20

Page: 1 of 1

Reviewer:

2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	SW / SW	%D RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	SW	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	OS
IX.	Laboratory control samples	SW	LCS ID
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Results < RL > MDL = J/UJ
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID		Lab ID	Matrix	Date
1	MW-210D	100X	L2038903-01	Water	09/17/20
2	MW-210I	25X	L2038903-02	Water	09/17/20
3					
4					
5					
6					
7					
8					
9					

Notes:

	WG1411648-5 Blank						

LDC #: 49292F1a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30%/15% /(20%) and relative response factors (RRF) ≥ 0.05?	.	✓		
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20% / 30%?		✓		
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) ≥ 0.05?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?	✓			
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	

Validation Area				
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 49292Fb

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?

Y N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?

Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____

Y N N/A Did the initial calibration meet the acceptance criteria?

Y N N/A Were all %RSDs and RRFs within the validation criteria of ≤30/15% 20% RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit:____%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	9/11/20	ICAL-VOA122	HHHH		0.00147 (I 0.005)	all	J/UJ/Δ (ND)

LDC #: 49292F1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was an initial calibration verification standard analyzed after each ICAL for each instrument?

Y N N/A Were all %D within the validation criteria of ≤20 % 30%D?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤ 30 %)	Associated Samples	Qualifications
	9/12/20 1208	ICV-VOA122	G	38.6	All	J/UJ/A (ND)

LDC #: 49292F1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: <20.0%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
	9/18/20 0723	CCV-VOA122	B	38.7		All	J/UJ/A NV
			KK	24.1			
			HH	20.9			
			OO	38.3			
			HHH	24.5			
			GGG	20.6			
			HHH		0.00111 (≥0.005)		

LDC #: 49292F1a

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a method blank associated with every sample in this SDG?
Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?
Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 9/18/20
Conc. units: ug/L
Associated Samples: All

Compound	Blank ID	Sample Identification								
	WG1411648-5 Blank			1						
LLL	0.71			-						
unknown	1.97 (2.11)			259 (2.11)						

Blank analysis date:
Conc. units:
Associated Samples:

Compound	Blank ID	Sample Identification								

All results were qualified using the criteria stated below except those circled.

Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 49292F1a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	WG1411648-3|4	B	140 (39-139)	140 (39-139)	( )	All	J+ (LCS) P (NM)
		DD	140 (63-133)	140 (63-133)	( )	↓	↓
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 10ug/L std)	Recalculated (RRF 10ug/L std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	9/11/2020	S	0.231	0.231	0.226	0.226	13.54	13.54
	VOA122		EE	1.299	1.299	1.249	1.249	15.44	15.44
			BB	0.479	0.479	0.478	0.478	3.10	3.10

LDC #: 49292 P1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV VOA 122	9/11/20	S (IS1)	0.226	0.243	0.243	7.5	7.5
			EE (IS2)	1.249	1.305	1.305	4.5	4.5
			BB (IS3)	0.478	0.467	0.467	2.3	2.3
			(IS4)					
			(IS5)					
2			(IS1)					
			(IS2)					
			(IS3)					
			(IS4)					
			(IS5)					
3			(IS1)					
			(IS2)					
			(IS3)					
			(IS4)					
			(IS5)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292 F1a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	10.0	10.565	106	106	0
1,2-Dichloroethane-d4	↓	10.664	107	107	↓
Toluene-d8		9.912	99	99	
Bromofluorobenzene		10.620	106	106	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 49292 F1a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: WG1411648-3/4

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	10	10	11	11	110	110	110	110	0	0
Trichloroethene			11	11	110	110	110	110	0	
Benzene			11	11	110	110	110	110	0	
Toluene			10	10	100	100	100	100	0	
Chlorobenzene			10	10	100	100	100	100	0	

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 49292F1a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #1, S:

Conc. = $\frac{(46169)(10)(100)}{(181481)(0.224)}$

= 1126 ug/L

100X

#	Sample ID	Compound	Reported Concentration (ug/L)	Calculated Concentration (ug/L)	Qualification
	#1	S	1100	1126	

Huguenot Street Development - LDC# 49292F

SDG: L2038903

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW 210 D	L2038903-01	DIBROMOMETHANE	9/18/2020		Y	N	U		U	500	100	ug/l
MW 210 D	L2038903-01	METHYL TERT BUTYL ETHER	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	CHLOROETHANE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	1,2-DICHLOROETHENE (TOTAL)	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	CHLOROFORM	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	CHLOROMETHANE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	1,2-DICHLOROETHANE	9/18/2020	20	Y	Y	J		J	50	13	ug/l
MW 210 D	L2038903-01	CIS-1,2-DICHLOROETHENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	CIS-1,3-DICHLOROPROPENE	9/18/2020		Y	N	U		U	50	14	ug/l
MW 210 D	L2038903-01	1,2-DICHLOROPROPANE	9/18/2020		Y	N	U		U	100	14	ug/l
MW 210 D	L2038903-01	DIBROMOCHLOROMETHANE	9/18/2020		Y	N	U		U	50	15	ug/l
MW 210 D	L2038903-01	CARBON TETRACHLORIDE	9/18/2020		Y	N	U		U	50	13	ug/l
MW 210 D	L2038903-01	1,2-DIBROMOETHANE	9/18/2020		Y	N	U		U	200	65	ug/l
MW 210 D	L2038903-01	DICHLORODIFLUOROMETHANE	9/18/2020		Y	N	U		U	500	100	ug/l
MW 210 D	L2038903-01	ETHYL ETHER	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	2,2-DICHLOROPROPANE	9/18/2020		Y	N	U	UJ	UJ	250	70	ug/l
MW 210 D	L2038903-01	1,2-DIBROMO-3-CHLOROPROPANE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	BROMOMETHANE	9/18/2020		Y	N	U	UJ	UJ	250	70	ug/l
MW 210 D	L2038903-01	HEXACHLOROBUTADIENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	1,2,4-TRIMETHYLBENZENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	ISOPROPYLBENZENE	9/18/2020		Y	N	U		U	250	70	ug/l

SDG: L2038903

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW 210 D	L2038903-01	1,2-DICHLOROBENZENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	BENZENE	9/18/2020		Y	N	U		U	50	16	ug/l
MW 210 D	L2038903-01	1,4-DIOXANE	9/18/2020		Y	N	U	UJ	UJ	25000	6100	ug/l
MW 210 D	L2038903-01	2-BUTANONE	9/18/2020		Y	N	U		U	500	190	ug/l
MW 210 D	L2038903-01	2-HEXANONE	9/18/2020		Y	N	U		U	500	100	ug/l
MW 210 D	L2038903-01	1,4-DIETHYLBENZENE	9/18/2020		Y	N	U		U	200	70	ug/l
MW 210 D	L2038903-01	4-ETHYLTOLUENE	9/18/2020		Y	N	U		U	200	70	ug/l
MW 210 D	L2038903-01	4-METHYL-2-PENTANONE	9/18/2020		Y	N	U		U	500	100	ug/l
MW 210 D	L2038903-01	1,4-DICHLOROBENZENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	ACETONE	9/18/2020		Y	N	U		U	500	150	ug/l
MW 210 D	L2038903-01	CHLOROBENZENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	1,3-DICHLOROPROPENE, TOTAL	9/18/2020		Y	N	U		U	50	14	ug/l
MW 210 D	L2038903-01	ETHYLBENZENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	BROMOBENZENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	1,3-DICHLOROPROPANE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	BROMOCHLOROMETHANE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	BROMODICHLOROMETHANE	9/18/2020		Y	N	U		U	50	19	ug/l
MW 210 D	L2038903-01	1,3-DICHLOROBENZENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	BROMOFORM	9/18/2020		Y	N	U		U	200	65	ug/l
MW 210 D	L2038903-01	1,1,1,2-TETRACHLOROETHANE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	1,3,5-TRIMETHYLBENZENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	CARBON DISULFIDE	9/18/2020		Y	N	U	UJ	UJ	500	100	ug/l
MW 210 D	L2038903-01	ACRYLONITRILE	9/18/2020		Y	N	U		U	500	150	ug/l

SDG: L2038903

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW 210 D	L2038903-01	TRICHLOROETHENE	9/18/2020	1100	Y	Y				50	18	ug/l
MW 210 D	L2038903-01	1,1-DICHLOROPROPENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	TRANS-1,3-DICHLOROPROPENE	9/18/2020		Y	N	U		U	50	16	ug/l
MW 210 D	L2038903-01	TRICHLOROFLUOROMETHANE	9/18/2020		Y	N	U	UJ	UJ	250	70	ug/l
MW 210 D	L2038903-01	1,1,1-TRICHLOROETHANE	9/18/2020	13000	Y	Y				250	70	ug/l
MW 210 D	L2038903-01	SEC-BUTYLBENZENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	1,1-DICHLOROETHENE	9/18/2020	2100	Y	Y				50	17	ug/l
MW 210 D	L2038903-01	TERT-BUTYLBENZENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	1,2,4-TRICHLOROBENZENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	P-CHLOROTOLUENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	1,1-DICHLOROETHANE	9/18/2020	330	Y	Y				250	70	ug/l
MW 210 D	L2038903-01	TETRACHLOROETHENE	9/18/2020		Y	N	U		U	50	18	ug/l
MW 210 D	L2038903-01	TRANS-1,4-DICHLORO-2-BUTENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	1,1,2-TRICHLOROETHANE	9/18/2020		Y	N	U		U	150	50	ug/l
MW 210 D	L2038903-01	TOLUENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	TRANS-1,2-DICHLOROETHENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	1,1,2,2-TETRACHLOROETHANE	9/18/2020		Y	N	U		U	50	17	ug/l
MW 210 D	L2038903-01	STYRENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	1,2,3-TRICHLOROPROPANE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	METHYLENE CHLORIDE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	XYLENE (TOTAL)	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	TOTAL TIC COMPOUNDS	9/18/2020	259	Y	Y	J		J			
MW 210 D	L2038903-01	NAPHTHALENE	9/18/2020		Y	N	U		U	250	70	ug/l

SDG: L2038903

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW 210 D	L2038903-01	1,2,4,5-TETRAMETHYLBENZENE	9/18/2020		Y	N	U		U	200	54	ug/l
MW 210 D	L2038903-01	N-BUTYLBENZENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	P-ISOPROPYLTOLUENE	9/18/2020		Y	N	U	UJ	UJ	250	70	ug/l
MW 210 D	L2038903-01	N-PROPYLBENZENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	VINYL CHLORIDE	9/18/2020		Y	N	U		U	100	7.1	ug/l
MW 210 D	L2038903-01	O-CHLOROTOLUENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	UNKNOWN	9/18/2020		Y	N	J	U	U	259		
MW 210 D	L2038903-01	O-XYLENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	VINYL ACETATE	9/18/2020		Y	N	U	UJ	UJ	500	100	ug/l
MW 210 D	L2038903-01	1,2,3-TRICHLOROBENZENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 D	L2038903-01	P/M-XYLENE	9/18/2020		Y	N	U		U	250	70	ug/l
MW 210 I	L2038903-02	1,1,1,2-TETRACHLOROETHANE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	1,3-DICHLOROPROPENE, TOTAL	9/18/2020		Y	N	U		U	12	3.6	ug/l
MW 210 I	L2038903-02	1,4-DIETHYLBENZENE	9/18/2020		Y	N	U		U	50	18	ug/l
MW 210 I	L2038903-02	1,3-DICHLOROPROPANE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	1,4-DICHLOROBENZENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	1,1,1-TRICHLOROETHANE	9/18/2020	4200	Y	Y				62	18	ug/l
MW 210 I	L2038903-02	1,2-DICHLOROETHANE	9/18/2020	7.2	Y	Y	J		J	12	3.3	ug/l
MW 210 I	L2038903-02	1,2,4-TRICHLOROBENZENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	1,2,4,5-TETRAMETHYLBENZENE	9/18/2020		Y	N	U		U	50	14	ug/l
MW 210 I	L2038903-02	1,2,3-TRICHLOROPROPANE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	1,2-DIBROMO-3-CHLOROPROPANE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	1,2,3-TRICHLOROBENZENE	9/18/2020		Y	N	U		U	62	18	ug/l

SDG: L2038903

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW 210 I	L2038903-02	1,2-DIBROMOETHANE	9/18/2020		Y	N	U		U	50	16	ug/l
MW 210 I	L2038903-02	1,2-DICHLOROPROPANE	9/18/2020		Y	N	U		U	25	3.4	ug/l
MW 210 I	L2038903-02	1,2-DICHLOROBENZENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	1,1,2,2-TETRACHLOROETHANE	9/18/2020		Y	N	U		U	12	4.2	ug/l
MW 210 I	L2038903-02	1,1-DICHLOROETHENE	9/18/2020	1200	Y	Y				12	4.2	ug/l
MW 210 I	L2038903-02	1,2-DICHLOROETHENE (TOTAL)	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	1,1-DICHLOROETHANE	9/18/2020	160	Y	Y				62	18	ug/l
MW 210 I	L2038903-02	1,2,4-TRIMETHYLBENZENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	1,3,5-TRIMETHYLBENZENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	1,1,2-TRICHLOROETHANE	9/18/2020		Y	N	U		U	38	12	ug/l
MW 210 I	L2038903-02	1,3-DICHLOROBENZENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	1,1-DICHLOROPROPENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	SEC-BUTYLBENZENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	BROMOFORM	9/18/2020		Y	N	U		U	50	16	ug/l
MW 210 I	L2038903-02	ISOPROPYLBENZENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	METHYL TERT BUTYL ETHER	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	METHYLENE CHLORIDE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	NAPHTHALENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	N-BUTYLBENZENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	N-PROPYLBENZENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	O-CHLOROTOLUENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	O-XYLENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	P/M-XYLENE	9/18/2020		Y	N	U		U	62	18	ug/l

SDG: L2038903

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW 210 I	L2038903-02	ETHYLBENZENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	P-ISOPROPYLTOLUENE	9/18/2020		Y	N	U	UJ	UJ	62	18	ug/l
MW 210 I	L2038903-02	ETHYL ETHER	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	STYRENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	TERT-BUTYLBENZENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	TETRACHLOROETHENE	9/18/2020	15	Y	Y				12	4.5	ug/l
MW 210 I	L2038903-02	TOLUENE	9/18/2020	22	Y	Y	J		J	62	18	ug/l
MW 210 I	L2038903-02	TRANS-1,2-DICHLOROETHENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	TRANS-1,3-DICHLOROPROPENE	9/18/2020		Y	N	U		U	12	4.1	ug/l
MW 210 I	L2038903-02	TRANS-1,4-DICHLORO-2-BUTENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	TRICHLOROETHENE	9/18/2020	3200	Y	Y				12	4.4	ug/l
MW 210 I	L2038903-02	TRICHLOROFLUOROMETHANE	9/18/2020		Y	N	U	UJ	UJ	62	18	ug/l
MW 210 I	L2038903-02	VINYL ACETATE	9/18/2020		Y	N	U	UJ	UJ	120	25	ug/l
MW 210 I	L2038903-02	VINYL CHLORIDE	9/18/2020		Y	N	U		U	25	1.8	ug/l
MW 210 I	L2038903-02	P-CHLOROTOLUENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	XYLENE (TOTAL)	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	2,2-DICHLOROPROPANE	9/18/2020		Y	N	U	UJ	UJ	62	18	ug/l
MW 210 I	L2038903-02	2-BUTANONE	9/18/2020		Y	N	U		U	120	48	ug/l
MW 210 I	L2038903-02	2-HEXANONE	9/18/2020		Y	N	U		U	120	25	ug/l
MW 210 I	L2038903-02	4-ETHYLTOLUENE	9/18/2020		Y	N	U		U	50	18	ug/l
MW 210 I	L2038903-02	4-METHYL-2-PENTANONE	9/18/2020		Y	N	U		U	120	25	ug/l
MW 210 I	L2038903-02	ACETONE	9/18/2020		Y	N	U		U	120	36	ug/l
MW 210 I	L2038903-02	ACRYLONITRILE	9/18/2020		Y	N	U		U	120	38	ug/l

SDG: L2038903

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Validated	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
MW 210 I	L2038903-02	BENZENE	9/18/2020		Y	N	U		U	12	4	ug/l
MW 210 I	L2038903-02	BROMOBENZENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	BROMOCHLOROMETHANE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	HEXACHLOROBUTADIENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	BROMOMETHANE	9/18/2020		Y	N	U	UJ	UJ	62	18	ug/l
MW 210 I	L2038903-02	1,4-DIOXANE	9/18/2020		Y	N	U	UJ	UJ	6200	1500	ug/l
MW 210 I	L2038903-02	CARBON DISULFIDE	9/18/2020		Y	N	U	UJ	UJ	120	25	ug/l
MW 210 I	L2038903-02	CARBON TETRACHLORIDE	9/18/2020		Y	N	U		U	12	3.4	ug/l
MW 210 I	L2038903-02	CHLOROBENZENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	CHLOROETHANE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	CHLOROFORM	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	CHLOROMETHANE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	CIS-1,2-DICHLOROETHENE	9/18/2020		Y	N	U		U	62	18	ug/l
MW 210 I	L2038903-02	CIS-1,3-DICHLOROPROPENE	9/18/2020		Y	N	U		U	12	3.6	ug/l
MW 210 I	L2038903-02	DIBROMOCHLOROMETHANE	9/18/2020		Y	N	U		U	12	3.7	ug/l
MW 210 I	L2038903-02	DIBROMOMETHANE	9/18/2020		Y	N	U		U	120	25	ug/l
MW 210 I	L2038903-02	DICHLORODIFLUOROMETHANE	9/18/2020		Y	N	U		U	120	25	ug/l
MW 210 I	L2038903-02	BROMODICHLOROMETHANE	9/18/2020		Y	N	U		U	12	4.8	ug/l

APPENDIX K: SUPPLEMENTAL REMEDIAL INVESTIGATION REPORT 2

(SRI-2 Report)

BCP No. C360182
Centre Avenue Development – South
Supplemental Remedial Investigation 2

Introduction

Based on the results presented in SESI's Supplemental Remedial Investigation Report for 33 Centre Avenue from September 2020, NYSDEC requested the installation of additional monitoring wells to further delineate groundwater contamination at the Site. In response, SESI submitted a Supplemental Remedial Investigation Workplan – 2 (SRIWP-2) dated January 2021, which was approved by the NYSDEC in a letter dated January 15, 2021 with two modifications. The two modifications in the approval letter, which requested the field work to be conducted under the approved governing documents (HASP, QAPP…) of the RIWP and to provide a sequence of the well installations, were addressed in an email to the NYSDEC dated January 19, 2021.

Monitoring Well Installation and Sampling

The well construction activities took place between January 18 and February 6, 2021 and on February 10, 2021. Wells were drilled in the locations indicated on **Figure SRI2-A** (**Attachment B**): 2 well locations on the west side of the Site, 1 well location along the southern property boundary, and 3 well locations along the western property boundary, in general accordance with SRIWP-2. Monitoring wells were drilled and installed by AARCO Environmental Services (AARCO). Air rotary drilling methods were utilized to complete drilling at each location, except for MW-210DD. This location was partially completed using air rotary and finished using rock coring methods due to strong odors and elevated PID readings (maximum of 160 ppm) encountered during air rotary drilling on January 22, 2021 at approximately 60 feet of depth. In order to minimize the potential for cross-contamination of the sample interval from shallower fracture zones, all wells were completed as double-cased wells with the borehole cased off from the surface down to 2 feet above the screen interval to seal shallower fractures. Wells were installed based on the following sequence, as outlined in the January 19, 2021 email to NYSDEC:

1. Drilling of a 6-inch borehole with air-rotary hammer to the seal depth of well
2. Installing 4-inch PVC down to seal depth, and installing grout between the outside of the PVC and the borehole
3. Allowing approximately 24 hours for grout to cure

4. Extending 3-inch drill bit to bottom of seal depth and drilling down to target well depth
5. Installing 2" PVC well with 10 ft of 0.010-slot screen at target well depth
6. Installing sand pack around the screen to at least 1-foot above the top of screen
7. Installing bentonite seal above the sand pack to up to one-foot above the well seal depth.

Generalized well construction details were provided in a well schematic included with SRIWP-2. Terminal drilling depths at each location were determined in consultation with and approved by the NYSDEC as presented **Table K-1** (**Attachment A**). During the Site inspection visit on January 19, 2021, the NYSDEC requested that the screen of certain wells be set 5-feet deeper than the specified depths in the SRIWP-2. The NYSDEC requested that one well be installed at location MW-212DD with screen elevation range 0-10 feet above mean seal level (ft-amsl), which is 15 feet deeper than the deeper well proposed in the SRIWP-2, in lieu of the 2 proposed wells in this location. The wells were constructed per the chronological sequence listed in the SRIWP-2 and then detailed in the email of January 20, 2021. The resultant well screen depths/elevations are included on the well construction table (**Table K-1**). A total of seven (7) additional wells were installed. The wells were developed the same day or a day after installation.

The wells were sampled between February 12 and 16, 2021, for all the parameters in the SRIWP-2: TCL VOCs, TAL Metals, PFAS Compounds, and 1,4-Dioxane. Wells were sampled in accordance with USEPA low flow sampling procedures (LFSP) as described in Section 4.5 of the RIR. Well purge logs are included as **Attachment C** to this appendix. All samples were sent to Alpha Analytical (an ELAP-accredited laboratory) for analysis.

Groundwater Sample Results

The sample results were compared to the AWQS, PFAS action trigger levels, and the Maximum Contaminant Level (MCL) for 1,4-dioxane. **Table K-2** below includes a comparison of the recent VOC sampling results from the newly installed wells, and results from shallower wells (MW-207D, MW-210I, MW-210D) from the previous SRI. The recent sample results combined with sampling results from the previous SRI and RI exceeding NYSDEC standards are illustrated in **Figure SRI2-A**. Yellow highlighting indicates an exceedance of the AWQS, Action Trigger Level, or MCL. **Attachment B** presents **Tables K-3, K-4, and K-5**, which include the complete results for VOCs, metals, PFAS and 1,4-dioxane from the recent sampling round collected pursuant to SRIWP-2.

Metals results exceeding AWQS are also shown on Figure SRI-1, and PFAS and 1,4-dioxane results exceeding Action Trigger Levels and/or MCLs are shown on **Figure SRI2-B**.

VOCs

The SRI-2 sampling results indicate that the vertical trend has shown significant decrease of the groundwater CVOC concentrations with depth. The horizontal trend has also shown significant decrease in the CVOC concentrations downgradient (to the southwest) in the off-site wells. These trends indicate that the plume has been delineated vertically and horizontally. Based on the vertical trend that is decreasing with depth, no source area was identified in the deep rock aquifer. The extent of the CVOC source appears to be limited to the area around wells MW-207, MW-208 and MW-209 installed during the initial remedial investigation (RI) at elevation 28-48 ft-amsl.

Metals

Chromium was detected in one well, MW-211DD, at 143 ug/kg, exceeding the AWQS. Several other metals that were detected above the AWQS in most wells (iron, manganese, magnesium, and sodium) are not considered to be COCs for the Site.

Emerging Contaminants

PFOS and PFOA were detected in excess of the Action Trigger Level of 10 ng/L in all wells installed during this SRI-2, which is consistent with the results from SRI-1. The maximum concentrations of PFOS (526 ng/L) and PFOA (63.8 ng/L) were both detected in MW-211D. Likewise, 1,4-dioxane was detected exceeding the MCL of 1 ug/L in all wells with a maximum concentration of 326 ug/L in MW-211D.

Table K-2: VOCs in Groundwater Exceeding AWQS

Onsite Wells		MW-210S	MW-210I	MW-210 D	MW-210 D	MW-210 DD
	El. (ft-amsl)	60-55	43-39	34-29	34-29	20-10
	NY-AWQS	9/15/2020	9/15/2020	8/12/2020	9/15/2020	2/12/2021
ANALYTE		ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	5	980	4,200	3700	12,000	8,700
1,1-Dichloroethane	5	62	180	130	430	360
1,1-Dichloroethene	5	440	1200J	1000	3,700	420
Tetrachloroethene	5	8.3	15	18	36	<25
Trichloroethene	5	1700	3,600	2600	1,800	190

Onsite Wells		MW-207S	MW-207D	MW-207DD
	El. (ft-amsl)	55-45	38-28	20-10
	NY-AWQS	9/15/2020	9/15/2020	2/12/2021
ANALYTE		ug/L	ug/L	ug/L
1,1,1-Trichloroethane	5	140,000	32,000	3600
1,1-Dichloroethane	5	<2500	580	120
1,1-Dichloroethene	5	1,600	28,000	240
1,2-Dichloroethane	0.6	<500	<100	3.1
Tetrachloroethene	5	<500	37	7
Trichloroethene	5	520	1000	220

Offsite Wells		MW-211D	MW-211DD
	El. (ft-amsl)	34-29	20-10
	NY-AWQS	2/16/2021	2/12/2021
ANALYTE		ug/L	ug/L
1,1,1-Trichloroethane	5	40	440
1,1-Dichloroethane	5	59	42
1,1-Dichloroethene	5	330	250
Tetrachloroethene	5	5.3	4.3
Trichloroethene	5	2600	980

Offsite Wells		MW-212DD	MW-213	MW-214
	El. (ft-amsl)	10-0	59-49	55-45
	NY-AWQS	2/16/2021	2/12/2021	2/12/2021
ANALYTE		ug/L	ug/L	ug/L
1,1,1-Trichloroethane	5	10000	2.9	ND
1,1-Dichloroethane	5	370	35	2.2
1,1-Dichloroethene	5	500	5.4	9.1
Toluene	5	38	ND	ND
Trichloroethene	5	450	18	31
Tetrachloroethene	5	4.3	64	0.22

Conclusions and Recommendations

The CVOC plume, which is the principal driver of remediation at this Site, has now been delineated horizontally and vertically. Based on the above findings from this SRI-2, SESI recommends the treatment of the identified source to reduce its mass as soon as possible. The reduction of the mass in the source will result in reduction of the concentration throughout the aquifer both in the horizontal (downgradient) and vertical directions.

SRI-2 Data DUSR and EDDs

A Data usability study report (DUSR) is being conducted by a third-party validator for the SRI-2 data. Electronic data deliverables (EDDs) will be uploaded on the NYSDEC EQuIS system upon completion of the DUSR.

Attachments

Attachment A: Tables

- Table K-1 – Well Construction Details – All Existing Wells
- Table K-3 – Analytical Results- VOCs
- Table K-4 – Analytical Results – Metals
- Table K-5 – Analytical Results – Emerging Contaminants

Attachment B: Figures

- Figure SRI2-A – Groundwater Results – VOCs and Metals
- Figure SRI2-B – Groundwater Results – Emerging Contaminants

Attachment C: Groundwater Sampling Purge Logs

Attachment D: Laboratory Analytical Reports

ATTACHMENT A
TABLES

Table K-1
Well Construction Details - All Existing Wells
33 Centre Avenue, New Rochelle, NY

Well Construction Details			
Well Location	Grade Elevation (ft-amsl)	Well Screen Top-bottom Elevation (ft amsl)	Well Screen Depth (ft-bg)
MW-201	77	75-70	2-7
MW-202	77	72-67	5-10
MW-203	77	67-62	10-15
MW-204	77	60-55	17-22
MW-205S	89	72-67	17-22
MW-205D	89	65-60	24-29
MW-206	77	72-67	5-10
MW-207S	77	55-45	22-32
MW-207D	77	38-28	39-49
MW-207DD	77	20-10	57-67
MW-208S	91	62.5-57.5	28.5-33.5
MW-208D	91	50-40	41-51
MW-209S	77	67-62	10-15
MW-209D	77	58-48	19-29
MW-210S	77	60-55	17-22
MW-210I	77	43-39	34-38
MW-210D	77	34-29	43-48
MW-210DD	77	20-10	57-67
MW-211D	87.5	34-29	48.5-53.5
MW-211DD	87.5	20-10	67.5-77.5
MW-212DD	87.5	10-0	77.5-87.5
MW-213	92	59-49	33-43
MW-214	88	55-45	33-43

Table K-3
Volatile Organics in Groundwater
Centre Ave Development South
New Rochelle, NY

Sample Name	NY- Ambient Water Quality Standards	Units	MW-207DD		MW-210DD		MW-211D		MW-211DD		MW-212DD	
Sampling Date			2/12/2021		2/12/2021		2/16/2021		2/12/2021		2/16/2021	
Lab Sample ID			L2107099-03		L2107099-05		L2107537-01		L2107099-04		L2107538-01	
Sample Matrix			Water		Water		Water		Water		Water	
VOLATILE ORGANICS BY GC/MS			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Methylene chloride	5	(ug/l)	ND		ND		ND		ND		ND	
1,1-Dichloroethane	5	(ug/l)	120		360		59		42		370	
Chloroform	7	(ug/l)	ND		ND		ND		ND		ND	
Carbon tetrachloride	5	(ug/l)	ND		ND		ND		ND		ND	
1,2-Dichloropropane	1	(ug/l)	ND		ND		ND		ND		ND	
Dibromochloromethane	50	(ug/l)	ND		ND		ND		ND		ND	
1,1,2-Trichloroethane	1	(ug/l)	ND		ND		ND		ND		ND	
Tetrachloroethene	5	(ug/l)	7	J	ND		5.3	J	4.3	J	10	J
Chlorobenzene	5	(ug/l)	ND		ND		ND		ND		ND	
Trichlorofluoromethane	5	(ug/l)	ND		ND		ND		ND		ND	
1,2-Dichloroethane	0.6	(ug/l)	3.1	J	9.1	J	ND		ND		9.4	J
1,1,1-Trichloroethane	5	(ug/l)	3600		8700		40	J	440		10000	
Bromodichloromethane	50	(ug/l)	ND		ND		ND		ND		ND	
trans-1,3-Dichloropropene	0.4	(ug/l)	ND		ND		ND		ND		ND	
cis-1,3-Dichloropropene	0.4	(ug/l)	ND		ND		ND		ND		ND	
1,3-Dichloropropene, Total		(ug/l)	ND		ND		ND		ND		ND	
1,1-Dichloropropene	5	(ug/l)	ND		ND		ND		ND		ND	
Bromoform	50	(ug/l)	ND		ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	5	(ug/l)	ND		ND		ND		ND		ND	
Benzene	1	(ug/l)	ND		ND		ND		ND		ND	
Toluene	5	(ug/l)	16	J	37	J	ND		19	J	38	J
Ethylbenzene	5	(ug/l)	ND		ND		ND		ND		ND	
Chloromethane		(ug/l)	ND		ND		ND		ND		ND	
Bromomethane	5	(ug/l)	ND		ND		ND		ND		ND	
Vinyl chloride	2	(ug/l)	2.5	J	6.2	J	ND		ND		5.5	J
Chloroethane	5	(ug/l)	ND		ND		ND		ND		ND	
1,1-Dichloroethene	5	(ug/l)	240		420		330		250		500	
trans-1,2-Dichloroethene	5	(ug/l)	ND		ND		ND		ND		ND	
Trichloroethene	5	(ug/l)	220		190		2600		980		450	
1,2-Dichlorobenzene	3	(ug/l)	ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	3	(ug/l)	ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	3	(ug/l)	ND		ND		ND		ND		ND	
Methyl tert butyl ether	10	(ug/l)	ND		ND		ND		ND		ND	
p/m-Xylene	5	(ug/l)	ND		ND		ND		ND		ND	
o-Xylene	5	(ug/l)	ND		ND		ND		ND		ND	
Xylenes, Total		(ug/l)	ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	5	(ug/l)	ND		ND		ND		13	J	ND	
1,2-Dichloroethene, Total		(ug/l)	ND		ND		ND		13	J	ND	
Dibromomethane	5	(ug/l)	ND		ND		ND		ND		ND	
1,2,3-Trichloropropane	0.04	(ug/l)	ND		ND		ND		ND		ND	
Acrylonitrile	5	(ug/l)	ND		ND		ND		ND		ND	
Styrene	5	(ug/l)	ND		ND		ND		ND		ND	
Dichlorodifluoromethane	5	(ug/l)	ND		ND		ND		ND		ND	
Acetone	50	(ug/l)	ND		ND		ND		ND		ND	
Carbon disulfide	60	(ug/l)	ND		ND		ND		ND		ND	
2-Butanone	50	(ug/l)	ND		ND		ND		ND		ND	
Vinyl acetate		(ug/l)	ND		ND		ND		ND		ND	
4-Methyl-2-pentanone		(ug/l)	ND		ND		ND		ND		ND	
2-Hexanone	50	(ug/l)	ND		ND		ND		ND		ND	
Bromochloromethane	5	(ug/l)	ND		ND		ND		ND		ND	
2,2-Dichloropropane	5	(ug/l)	ND		ND		ND		ND		ND	
1,2-Dibromoethane	0.0006	(ug/l)	ND		ND		ND		ND		ND	
1,3-Dichloropropane	5	(ug/l)	ND		ND		ND		ND		ND	
1,1,1,2-Tetrachloroethane	5	(ug/l)	ND		ND		ND		ND		ND	
Bromobenzene	5	(ug/l)	ND		ND		ND		ND		ND	
n-Butylbenzene	5	(ug/l)	ND		ND		ND		ND		ND	
sec-Butylbenzene	5	(ug/l)	ND		ND		ND		ND		ND	
tert-Butylbenzene	5	(ug/l)	ND		ND		ND		ND		ND	
o-Chlorotoluene	5	(ug/l)	ND		ND		ND		ND		ND	
p-Chlorotoluene	5	(ug/l)	ND		ND		ND		ND		ND	
1,2-Dibromo-3-chloropropane	0.04	(ug/l)	ND		ND		ND		ND		ND	
Hexachlorobutadiene	0.5	(ug/l)	ND		ND		ND		ND		ND	
Isopropylbenzene	5	(ug/l)	ND		ND		ND		ND		ND	
p-Isopropyltoluene	5	(ug/l)	ND		ND		ND		ND		ND	
Naphthalene	10	(ug/l)	ND		ND		ND		ND		ND	
n-Propylbenzene	5	(ug/l)	ND		ND		ND		ND		ND	
1,2,3-Trichlorobenzene	5	(ug/l)	ND		ND		ND		ND		ND	
1,2,4-Trichlorobenzene	5	(ug/l)	ND		ND		ND		ND		ND	
1,3,5-Trimethylbenzene	5	(ug/l)	ND		ND		ND		ND		ND	
1,2,4-Trimethylbenzene	5	(ug/l)	ND		ND		ND		ND		ND	
1,4-Dioxane		(ug/l)	ND		ND		ND		ND		ND	
p-Diethylbenzene		(ug/l)	ND		ND		ND		ND		ND	
p-Ethyltoluene		(ug/l)	ND		ND		ND		ND		ND	
1,2,4,5-Tetramethylbenzene	5	(ug/l)	ND		ND		ND		ND		ND	
Ethyl ether		(ug/l)	ND		ND		ND		ND		ND	
trans-1,4-Dichloro-2-butene	5	(ug/l)	ND		ND		ND		ND		ND	
Total VOCs		(ug/l)	4208.6	-	9722.3	-	3034.3	-	1748.3	-	11382.9	-

J - Estimated Value
ND - Not detected at the reported detection limit for the sample.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
Exceeds NY Water Quality Standards:

Table K-3
Volatile Organics in Groundwater
Centre Ave Development South
New Rochelle, NY

Sample Name	NY- Ambient Water Quality Standards	Units	MW-212DD_C		MW-213		MW-214		FB_02122021		TB_02122021	
Sampling Date			2/17/2021		2/12/2021		2/12/2021		2/12/2021		2/12/2021	
Lab Sample ID			L2107538-02		L2107099-01		L2107099-02		L2107099-06		L2107099-07	
Sample Matrix			Water		Water		Water		Water		Water	
VOLATILE ORGANICS BY GC/MS			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Methylene chloride	5	(ug/l)	ND		ND		ND		ND		ND	
1,1-Dichloroethane	5	(ug/l)	370		35		2.2	J	ND		ND	
Chloroform	7	(ug/l)	ND		ND		ND		ND		ND	
Carbon tetrachloride	5	(ug/l)	ND		ND		ND		ND		ND	
1,2-Dichloropropane	1	(ug/l)	ND		ND		ND		ND		ND	
Dibromochloromethane	50	(ug/l)	ND		ND		ND		ND		ND	
1,1,2-Trichloroethane	1	(ug/l)	ND		ND		ND		ND		ND	
Tetrachloroethene	5	(ug/l)	ND		64		0.22	J	ND		ND	
Chlorobenzene	5	(ug/l)	ND		ND		ND		ND		ND	
Trichlorofluoromethane	5	(ug/l)	ND		ND		ND		ND		ND	
1,2-Dichloroethane	0.6	(ug/l)	ND		ND		ND		ND		ND	
1,1,1-Trichloroethane	5	(ug/l)	10000		2.9		ND		ND		ND	
Bromodichloromethane	50	(ug/l)	ND		ND		ND		ND		ND	
trans-1,3-Dichloropropene	0.4	(ug/l)	ND		ND		ND		ND		ND	
cis-1,3-Dichloropropene	0.4	(ug/l)	ND		ND		ND		ND		ND	
1,3-Dichloropropene, Total		(ug/l)	ND		ND		ND		ND		ND	
1,1-Dichloropropene	5	(ug/l)	ND		ND		ND		ND		ND	
Bromoform	50	(ug/l)	ND		ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	5	(ug/l)	ND		ND		ND		ND		ND	
Benzene	1	(ug/l)	ND		ND		0.36	J	ND		ND	
Toluene	5	(ug/l)	ND		ND		ND		ND		ND	
Ethylbenzene	5	(ug/l)	ND		0.95	J	ND		ND		ND	
Chloromethane		(ug/l)	ND		ND		ND		ND		ND	
Bromomethane	5	(ug/l)	ND		ND		ND		ND		ND	
Vinyl chloride	2	(ug/l)	ND		5.9		0.15	J	ND		ND	
Chloroethane	5	(ug/l)	ND		ND		ND		ND		ND	
1,1-Dichloroethene	5	(ug/l)	430		5.4		9.1		ND		ND	
trans-1,2-Dichloroethene	5	(ug/l)	ND		1.6	J	ND		ND		ND	
Trichloroethene	5	(ug/l)	410		18		31		ND		ND	
1,2-Dichlorobenzene	3	(ug/l)	ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	3	(ug/l)	ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	3	(ug/l)	ND		ND		ND		ND		ND	
Methyl tert butyl ether	10	(ug/l)	ND		ND		2.7		ND		ND	
p/m-Xylene	5	(ug/l)	ND		1.6	J	ND		ND		ND	
o-Xylene	5	(ug/l)	ND		1.4	J	ND		ND		ND	
Xylenes, Total		(ug/l)	ND		3	J	ND		ND		ND	
cis-1,2-Dichloroethene	5	(ug/l)	ND		8		ND		ND		ND	
1,2-Dichloroethene, Total		(ug/l)	ND		9.6	J	ND		ND		ND	
Dibromomethane	5	(ug/l)	ND		ND		ND		ND		ND	
1,2,3-Trichloropropane	0.04	(ug/l)	ND		ND		ND		ND		ND	
Acrylonitrile	5	(ug/l)	ND		ND		ND		ND		ND	
Styrene	5	(ug/l)	ND		ND		ND		ND		ND	
Dichlorodifluoromethane	5	(ug/l)	ND		ND		ND		ND		ND	
Acetone	50	(ug/l)	ND		ND		ND		ND		ND	
Carbon disulfide	60	(ug/l)	ND		ND		ND		ND		ND	
2-Butanone	50	(ug/l)	ND		ND		ND		ND		ND	
Vinyl acetate		(ug/l)	ND		ND		ND		ND		ND	
4-Methyl-2-pentanone		(ug/l)	ND		ND		ND		ND		ND	
2-Hexanone	50	(ug/l)	ND		ND		ND		ND		ND	
Bromochloromethane	5	(ug/l)	ND		ND		ND		ND		ND	
2,2-Dichloropropane	5	(ug/l)	ND		ND		ND		ND		ND	
1,2-Dibromoethane	0.0006	(ug/l)	ND		ND		ND		ND		ND	
1,3-Dichloropropane	5	(ug/l)	ND		ND		ND		ND		ND	
1,1,1,2-Tetrachloroethane	5	(ug/l)	ND		ND		ND		ND		ND	
Bromobenzene	5	(ug/l)	ND		ND		ND		ND		ND	
n-Butylbenzene	5	(ug/l)	ND		ND		ND		ND		ND	
sec-Butylbenzene	5	(ug/l)	ND		ND		ND		ND		ND	
tert-Butylbenzene	5	(ug/l)	ND		ND		ND		ND		ND	
o-Chlorotoluene	5	(ug/l)	ND		ND		ND		ND		ND	
p-Chlorotoluene	5	(ug/l)	ND		ND		ND		ND		ND	
1,2-Dibromo-3-chloropropane	0.04	(ug/l)	ND		ND		ND		ND		ND	
Hexachlorobutadiene	0.5	(ug/l)	ND		ND		ND		ND		ND	
Isopropylbenzene	5	(ug/l)	ND		ND		ND		ND		ND	
p-Isopropyltoluene	5	(ug/l)	ND		ND		ND		ND		ND	
Naphthalene	10	(ug/l)	ND		ND		ND		ND		ND	
n-Propylbenzene	5	(ug/l)	ND		ND		ND		ND		ND	
1,2,3-Trichlorobenzene	5	(ug/l)	ND		ND		ND		ND		ND	
1,2,4-Trichlorobenzene	5	(ug/l)	ND		ND		ND		ND		ND	
1,3,5-Trimethylbenzene	5	(ug/l)	ND		ND		ND		ND		ND	
1,2,4-Trimethylbenzene	5	(ug/l)	ND		ND		ND		ND		ND	
1,4-Dioxane		(ug/l)	ND		ND		ND		ND		ND	
p-Diethylbenzene		(ug/l)	ND		ND		ND		ND		ND	
p-Ethyltoluene		(ug/l)	ND		ND		ND		ND		ND	
1,2,4,5-Tetramethylbenzene	5	(ug/l)	ND		ND		ND		ND		ND	
Ethyl ether		(ug/l)	ND		ND		ND		ND		ND	
trans-1,4-Dichloro-2-butene	5	(ug/l)	ND		ND		ND		ND		ND	
Total VOCs		(ug/l)	11210	-	144.75	-	45.73	-	-	-	-	-

J - Estimated Value
ND - Not detected at the reported detection limit for the sample.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
Exceeds NY Water Quality Standards:

Table K-4
Metals in Groundwater
Centre Ave Development South
New Rochelle, NY

Sample Name	NY- Ambient Water Quality Standards	Units	MW-207DD		MW-210DD		MW-211D		MW-211DD		MW-213		MW-214		FB_02122021	
Sampling Date			2/12/2021		2/12/2021		2/16/2021		2/12/2021		2/12/2021		2/12/2021		2/12/2021	
Lab Sample ID			L2107099-03		L2107099-05		L2107537-01		L2107099-04		L2107099-01		L2107099-02		L2107099-06	
Sample Matrix			Water		Water		Water		Water		Water		Water		Water	
TOTAL METALS			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Aluminum, Total		(ug/l)	574		495		6760		511		411		33.6		ND	
Antimony, Total	3	(ug/l)	ND		ND		1.01	J	ND		0.52	J	ND		ND	
Arsenic, Total	25	(ug/l)	0.5		0.64		2.75		0.66		0.45	J	0.26	J	ND	
Barium, Total	1000	(ug/l)	93.89		128.4		141		185.1		108.3		74.51		ND	
Beryllium, Total	3	(ug/l)	ND		ND		0.27	J	0.11	J	ND		ND		ND	
Cadmium, Total	5	(ug/l)	ND		ND		ND		0.1	J	ND		0.08	J	ND	
Calcium, Total		(ug/l)	112000		141000		294000		273000		195000		104000		42.6	J
Chromium, Total	50	(ug/l)	2.57		1.19		47.18		143		1.3		ND		ND	
Cobalt, Total		(ug/l)	2		1.88		6.04		0.58		2.28		1.31		ND	
Copper, Total	200	(ug/l)	6.23		1.01		24.67		2.51		1.02		0.74	J	ND	
Iron, Total	300	(ug/l)	20000		27500		38100		610		39300		117		ND	
Lead, Total	25	(ug/l)	ND		0.4	J	7.31		1.72		ND		ND		ND	
Magnesium, Total	35000	(ug/l)	40600		46200		41100		8800		55600		51700		ND	
Manganese, Total	300	(ug/l)	2230		2238		2688		133.3		3436		1220		ND	
Mercury, Total	0.7	(ug/l)	ND		ND		ND		ND		ND		ND		ND	
Nickel, Total	100	(ug/l)	79.52		22.84		27.87		1.57	J	20.43		18.96		ND	
Potassium, Total		(ug/l)	12900		15800		22400		68500		18700		13900		ND	
Selenium, Total	10	(ug/l)	ND		ND		ND		ND		ND		ND		ND	
Silver, Total	50	(ug/l)	1.91		0.18	J	ND		ND		ND		ND		ND	
Sodium, Total	20000	(ug/l)	121000		92300		68900		144000		235000		63100		228	
Thallium, Total	0.5	(ug/l)	0.17	J	ND		0.27	J	0.15	J	0.39	J	0.22	J	0.24	J
Vanadium, Total		(ug/l)	ND		ND		11.83		ND		ND		ND		ND	
Zinc, Total	2000	(ug/l)	ND		8.35	J	67.61		ND		ND		7.12	J	ND	

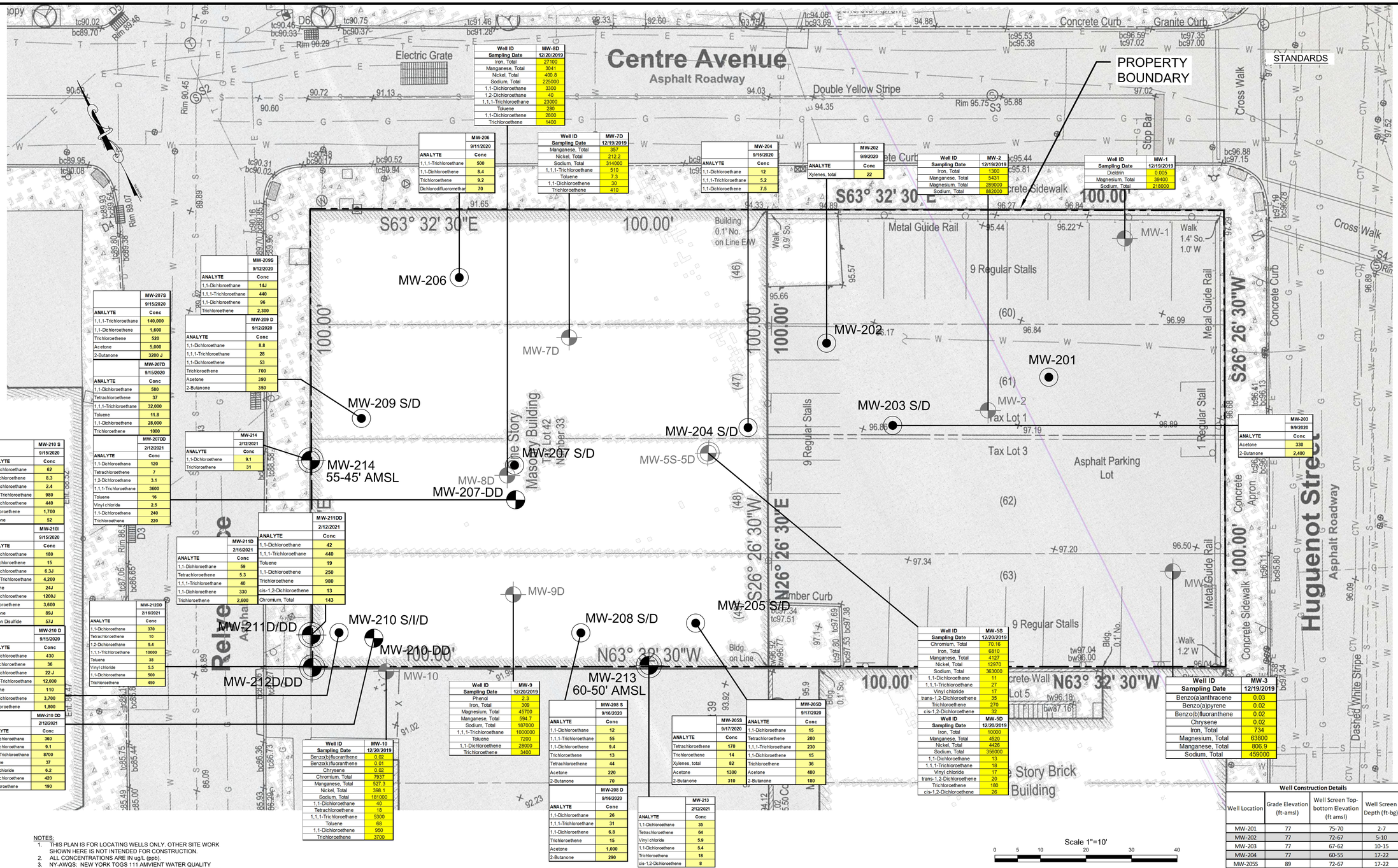
J - Estimated Value
ND - Not detected at the reported detection limit for the sample.
E - Concentration of analyte exceeds the range of the calibration curveand/or linear range of the instrument.
Exceeds NY Water Quality Standards:

Table K-5
PFAS and 1,4-Dioxane in Groundwater
Centre Ave Development South
New Rochelle, NY

Sample Name	NYS PFAS / NYS MCL	Units	MW-207DD		MW-210DD		MW-211D		MW-211DD		MW-212DD		MW-213		MW-214		FB_02122021	
Sampling Date			2/12/2021		2/12/2021		2/16/2021		2/12/2021		2/16/2021		2/12/2021		2/12/2021		2/12/2021	
Lab Sample ID			L2107099-03		L2107099-05		L2107537-01		L2107099-04		L2107536-01		L2107099-01		L2107099-02		L2107099-06	
Sample Matrix			Water		Water		Water		Water		Water		Water		Water		Water	
PERFLUORINATED ALKYL ACIDS & 1-4 DIOXANE			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
1,4-Dioxane	1	(ug/l)	29.5		22.7		326		113		72.7		4.21		2.72		ND	
Perfluorobutanoic Acid (PFBA)	0.1	(ug/l)	0.0105		0.00891		0.00817		0.011		0.0146		0.0147		0.00698		ND	
Perfluoropentanoic Acid (PFPeA)	0.1	(ug/l)	0.0166		0.0148		0.012		0.0124		0.0169		0.0209		0.0127		ND	
Perfluorobutanesulfonic Acid (PFBS)	0.1	(ug/l)	0.0457		0.0766		0.0934		0.0889		0.146		0.0712		0.00741		ND	
Perfluorohexanoic Acid (PFHxA)	0.1	(ug/l)	0.0136		0.0118		0.0108		0.0107		0.0139		0.0181		0.0107		ND	
Perfluoroheptanoic Acid (PFHpA)	0.1	(ug/l)	0.00854		0.00747		0.0106		0.00845		0.00932		0.0137		0.00705		ND	
Perfluorohexanesulfonic Acid (PFHxS)	0.1	(ug/l)	0.00456		0.00416		0.0122		0.00824		0.00807		0.00587		0.00333	F	ND	
Perfluorooctanoic Acid (PFOA)	0.01	(ug/l)	0.0297		0.0258		0.0638		0.0424		0.0374		0.0442		0.0224		ND	
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.1	(ug/l)	0.0015	J	ND		0.00738		ND		0.00197		0.00271		0.00242		ND	
Perfluoroheptanesulfonic Acid (PFHpS)	0.1	(ug/l)	0.00298		0.00287		0.0145		0.01		0.00417		0.00349		0.000765	J	ND	
Perfluorononanoic Acid (PFNA)	0.1	(ug/l)	0.00266		0.00225		0.00293		0.00218		0.00246		0.00345		0.0025		ND	
Perfluorooctanesulfonic Acid (PFOS)	0.01	(ug/l)	0.168		0.164		0.526	E	0.405		0.369		0.212		0.0469		ND	
Perfluorodecanoic Acid (PFDA)	0.1	(ug/l)	0.00114	J	0.000737	J	0.00102	J	0.000786	J	0.000836	J	0.000895	J	0.000645	J	ND	
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.1	(ug/l)	ND		ND		ND		ND		ND		ND		ND		ND	
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.1	(ug/l)	ND		ND		ND		ND		ND		ND		ND		ND	
Perfluoroundecanoic Acid (PFUnA)	0.1	(ug/l)	ND		ND		ND		ND		ND		ND		ND		ND	
Perfluorodecanesulfonic Acid (PFDS)	0.1	(ug/l)	ND		ND		ND		ND		ND		ND		ND		ND	
Perfluorooctanesulfonamide (FOSA)	0.1	(ug/l)	0.000767	JF	0.000737	JF	0.000676	JF	0.00304	F	0.00164	JF	0.00165	J	ND		ND	
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.1	(ug/l)	0.00124	J	ND		ND		0.0016	JF	0.0012	J	0.00197	JF	ND		ND	
Perfluorododecanoic Acid (PFDoA)	0.1	(ug/l)	ND		ND		ND		ND		ND		ND		ND		ND	
Perfluorotridecanoic Acid (PFTrDA)	0.1	(ug/l)	ND		ND		ND		ND		ND		ND		ND		ND	
Perfluorotetradecanoic Acid (PFTA)	0.1	(ug/l)	ND		ND		ND		ND		ND		ND		ND		ND	
PFOA/PFOS, Total	0.5	(ug/l)	0.198		0.19		0.587		0.447		0.406		0.256		0.0693		ND	

J - Estimated Value
ND - Not detected at the reported detection limit for the sample.
E - Concentration of analyte exceeds the range of the calibration curve
and/or linear range of the instrument.
Exceeds NYS PFAS / NYS MCL:
NYS PFAS: NYSDEC Guidance Value for PFOA/PFOS
Action Level Trigger (January 2020)
NYS MCL: NYS Maximum Contaminant Level for 1,4-Dioxane (July 2020)

ATTACHMENT B
FIGURES



Well ID	MW-8D
Sampling Date	12/20/2019
Iron, Total	27100
Manganese, Total	3041
Nickel, Total	400.8
Sodium, Total	225000
1,1-Dichloroethane	3300
1,2-Dichloroethane	40
1,1,1-Trichloroethane	23000
Toluene	280
1,1-Dichloroethene	2800
Trichloroethene	1400

	MW-206
	9/11/2020
ANALYTE	Conc
1,1,1-Trichloroethane	500
1,1-Dichloroethene	8.4
Trichloroethene	9.2
Dichlorodifluoromethane	70

Well ID	MW-7D
Sampling Date	12/19/2019
Manganese, Total	357
Nickel, Total	212.2
Sodium, Total	314000
1,1,1-Trichloroethane	510
Toluene	7.3
1,1-Dichloroethene	30
Trichloroethene	410

	MW-204
	9/9/2020
ANALYTE	Conc
Xylenes, total	22

	MW-202
	9/15/2020
ANALYTE	Conc
1,1-Dichloroethene	12
1,1,1-Trichloroethane	5.2
1,1-Dichloroethene	7.5

Well ID	MW-2
Sampling Date	12/19/2019
Iron, Total	1300
Manganese, Total	5431
Magnesium, Total	28900
Sodium, Total	882000

Well ID	MW-1
Sampling Date	12/19/2019
Dieldrin	0.005
Magnesium, Total	39400
Sodium, Total	218000

	MW-209S
	9/12/2020
ANALYTE	Conc
1,1-Dichloroethane	14J
1,1,1-Trichloroethane	440
1,1-Dichloroethene	96
Trichloroethene	2,300

	MW-209 D
	9/12/2020
ANALYTE	Conc
1,1-Dichloroethane	8.8
1,1,1-Trichloroethane	28
1,1-Dichloroethene	53
Trichloroethene	700
Acetone	390
2-Butanone	350

	MW-207S
	9/15/2020
ANALYTE	Conc
1,1,1-Trichloroethane	140,000
1,1-Dichloroethene	1,600
Trichloroethene	520
Acetone	5,000
2-Butanone	3200 J

	MW-207D
	9/15/2020
ANALYTE	Conc
1,1-Dichloroethane	580
Tetrachloroethene	37
1,1,1-Trichloroethane	32,000
Toluene	11.8
1,1-Dichloroethene	28,000
Trichloroethene	1000

	MW-207DD
	2/12/2021
ANALYTE	Conc
1,1-Dichloroethane	120
Tetrachloroethene	7
1,2-Dichloroethane	3.1
1,1,1-Trichloroethane	3600
Toluene	16
Vinyl chloride	2.5
1,1-Dichloroethene	240
Trichloroethene	220

	MW-214
	2/12/2021
ANALYTE	Conc
1,1-Dichloroethene	9.1
Trichloroethene	31

	MW-210 S
	9/15/2020
ANALYTE	Conc
1,1-Dichloroethane	62
Tetrachloroethene	8.3
1,2-Dichloroethane	2.4
1,1,1-Trichloroethane	980
1,1-Dichloroethene	440
Trichloroethene	1,700
Acetone	52

	MW-210I
	9/15/2020
ANALYTE	Conc
1,1-Dichloroethane	180
Tetrachloroethene	15
1,2-Dichloroethane	6.3J
1,1,1-Trichloroethane	4,200
Toluene	24J
1,1-Dichloroethene	1200J
Trichloroethene	3,600
Acetone	89J
Carbon Disulfide	57J

	MW-210 D
	9/15/2020
ANALYTE	Conc
1,1-Dichloroethane	430
Tetrachloroethene	36
1,2-Dichloroethane	22 J
1,1,1-Trichloroethane	12,000
Toluene	110
1,1-Dichloroethene	3,700
Trichloroethene	1,800

	MW-210 DD
	2/12/2021
ANALYTE	Conc
1,1-Dichloroethane	360
1,2-Dichloroethane	9.1
1,1,1-Trichloroethane	8700
Toluene	37
Vinyl chloride	6.2
1,1-Dichloroethene	420
Trichloroethene	190

	MW-211D
	2/16/2021
ANALYTE	Conc
1,1-Dichloroethane	59
Tetrachloroethene	5.3
1,1,1-Trichloroethane	40
1,1-Dichloroethene	330
Trichloroethene	2,600

	MW-211DD
	2/12/2021
ANALYTE	Conc
1,1-Dichloroethane	42
1,1,1-Trichloroethane	440
Toluene	19
1,1-Dichloroethene	250
Trichloroethene	980
cis-1,2-Dichloroethene	13
Chromium, Total	143

	MW-212DD
	2/16/2021
ANALYTE	Conc
1,1-Dichloroethane	370
Tetrachloroethene	10
1,2-Dichloroethane	9.4
1,1,1-Trichloroethane	10000
Toluene	38
Vinyl chloride	5.5
1,1-Dichloroethene	500
Trichloroethene	450

Well ID	MW-10
Sampling Date	12/20/2019
Benzo(b)fluoranthene	0.02
Benzo(k)fluoranthene	0.01
Chrysene	0.02
Chromium, Total	7937
Manganese, Total	527.3
Nickel, Total	398.1
Sodium, Total	181000
1,1-Dichloroethane	40
Tetrachloroethene	18
1,1,1-Trichloroethane	5300
Toluene	68
1,1-Dichloroethene	950
Trichloroethene	3700

Well ID	MW-9
Sampling Date	12/20/2019
Phenol	2.3
Iron, Total	309
Magnesium, Total	45700
Manganese, Total	594.7
Sodium, Total	187000
1,1,1-Trichloroethane	1000000
Toluene	7200
1,1-Dichloroethene	28000
Trichloroethene	3400

	MW-208 S
	9/16/2020
ANALYTE	Conc
1,1-Dichloroethane	12
1,1,1-Trichloroethane	55
1,1-Dichloroethene	9.4
Trichloroethene	13
Tetrachloroethene	44
Acetone	220
2-Butanone	70

	MW-208 D
	9/16/2020
ANALYTE	Conc
1,1-Dichloroethane	26
1,1,1-Trichloroethane	31
1,1-Dichloroethene	6.8
Trichloroethene	15
Acetone	1,000
2-Butanone	290

	MW-205S
	9/17/2020
ANALYTE	Conc
Tetrachloroethene	170
Trichloroethene	14
Xylenes, total	82
Acetone	1300
2-Butanone	310

	MW-205D
	9/17/2020
ANALYTE	Conc
1,1-Dichloroethane	15
Tetrachloroethene	280
1,1,1-Trichloroethane	230
1,1-Dichloroethene	15
Trichloroethene	36
Acetone	480
2-Butanone	180

	MW-213
	2/12/2021
ANALYTE	Conc
1,1-Dichloroethane	35
Tetrachloroethene	64
Vinyl chloride	5.9
1,1-Dichloroethene	5.4
Trichloroethene	18
cis-1,2-Dichloroethene	8

Well ID	MW-5S
Sampling Date	12/20/2019
Chromium, Total	70.16
Iron, Total	6810
Manganese, Total	4127
Nickel, Total	12970
Sodium, Total	363000
1,1-Dichloroethane	11
1,1,1-Trichloroethane	27
Vinyl chloride	17
trans-1,2-Dichloroethene	35
Trichloroethene	270
cis-1,2-Dichloroethene	32

Well ID	MW-5D
Sampling Date	12/20/2019
Iron, Total	10000
Manganese, Total	4520
Nickel, Total	4426
Sodium, Total	356000
1,1-Dichloroethane	13
1,1,1-Trichloroethane	18
Vinyl chloride	17
trans-1,2-Dichloroethene	20
Trichloroethene	180
cis-1,2-Dichloroethene	26

Well ID	MW-3
Sampling Date	12/19/2019
Benzo(a)anthracene	0.03
Benzo(a)pyrene	0.02
Benzo(b)fluoranthene	0.02
Chrysene	0.02
Iron, Total	734
Magnesium, Total	63600
Manganese, Total	806.9
Sodium, Total	459000

	MW-203
	9/9/2020
ANALYTE	Conc
Acetone	330
2-Butanone	2,400

NOTES:
1. THIS PLAN IS FOR LOCATING WELLS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
2. ALL CONCENTRATIONS ARE IN ug/L (ppb).
3. NY-AWQS: NEW YORK TOGS 111 AMVIENT WATER QUALITY STANDARDS CRITERIA REFLECTS ALL ADDENDUM TO CRITERIA THROUGH JUNE 2004
4. NY-TOGS-GA: NEW YORK TOGS 111 GOUNDWATER EFFLUENT LIMITATIONS CRITERIA REFLECTS ALL ADDENDUM TO CRITERIA THROUGH JUNE 2004.

LEGEND:

MW-201 - WELL INSTALLED DURING SRI

75'-70' - SCREEN INTERVAL ELEVATION IN FEET AMSL

MW-9D - MONITORING WELL INSTALLED DURING RI

2,400 - Exceeds NY-AWQS: New York TOGS 1.1.1 Ambient Water Quality Standards and NY-TOGS-GA: New York TOGS 1.1.1 Groundwater Effluent Limitations

REFERENCE

1. EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "BOUNDARY SURVEY OF LOTS 46 THRU 49 AND 60 THRU 63 INCL. MAP OR PROPERTY BELONGING TO MARIA R. LAWTON, DECEASED" PREPARED BY H2M ARCHITECTS AND ENGINEERS DATED SEPT. 28, 2018.

Well Location	Grade Elevation (ft-amsl)	Well Screen Top-bottom Elevation (ft amsl)	Well Screen Depth (ft-bg)
MW-201	77	75-70	2-7
MW-202	77	72-67	5-10
MW-203	77	67-62	10-15
MW-204	77	60-55	17-22
MW-205S	89	72-67	17-22
MW-205D	89	65-60	24-29
MW-206	77	72-67	5-10
MW-207S	77	55-45	22-32
MW-207D	77	38-28	39-49
MW-207DD	77	20-10	57-67
MW-208S	91	62.5-57.5	28.5-33.5
MW-208D	91	50-40	41-51
MW-209S	77	67-62	10-15
MW-209D	77	58-48	19-29
MW-210S	77	60-55	17-22
MW-210I	77	43-39	34-38
MW-210D	77	34-29	43-48
MW-210DD	77	20-10	57-67
MW-211D	87.5	34-29	48.5-53.5
MW-211DD	87.5	20-10	67.5-77.5
MW-212DD	87.5	10-0	77.5-87.5
MW-213	92	59-49	33-43
MW-214	88	55-45	33-43

Well Construction Details

NYS Education Law
Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

© SESI CONSULTING ENGINEERS D.P.C. 2021
This drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.

SESI CONSULTING ENGINEERS
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, NJ. 07058 PH: 973-808-9050

rev	date	description	by

dwg by: stas
chk by: JAM
scale: AS NOTED
date: 02/22/2021

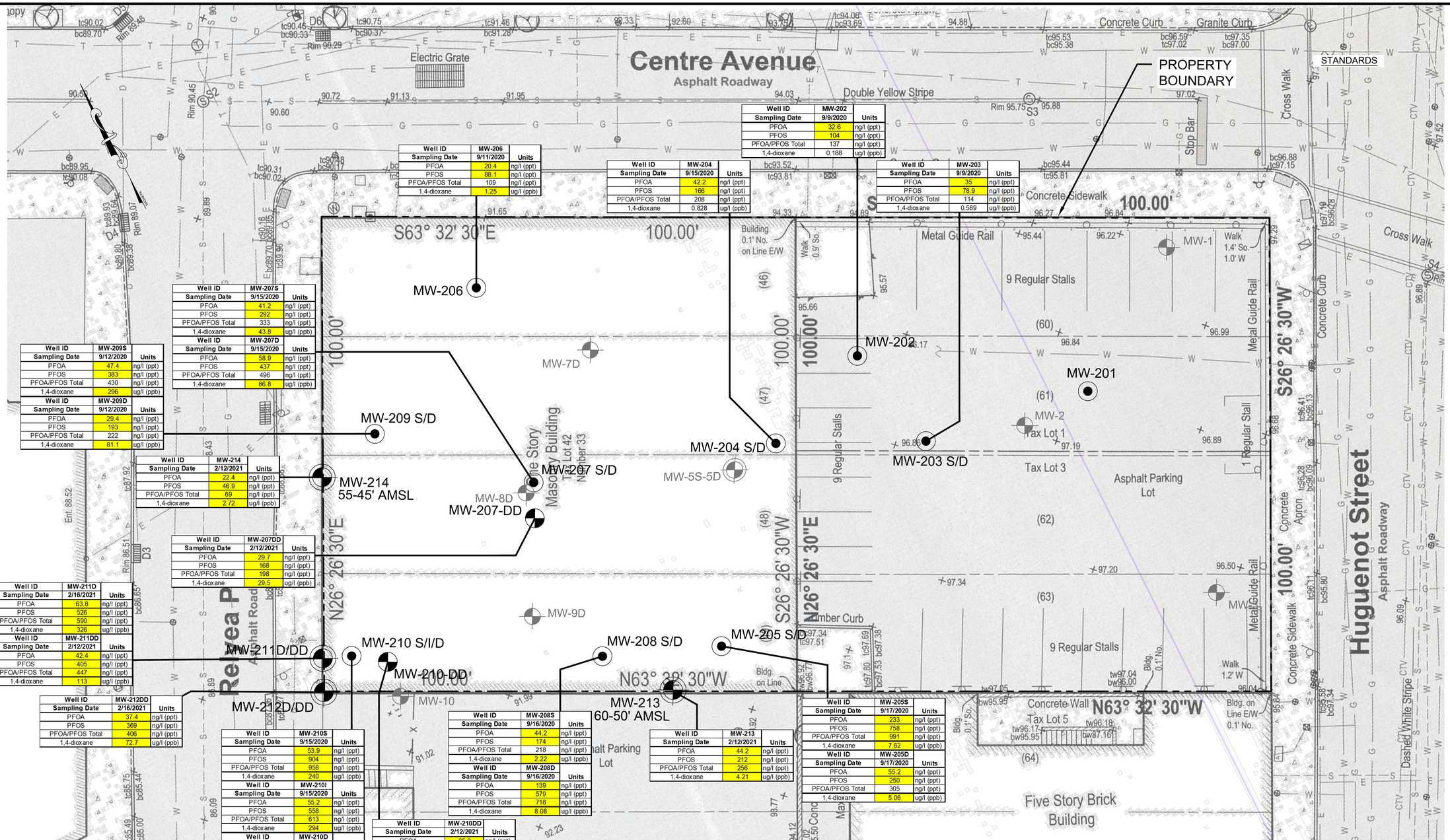
HUGUENOT PARTNERS, LLC
33 CENTRE AVENUE
SECTION NO.2, BLOCK NO. 437 LOTS 1, 3, AND 42
NEW ROCHELLE, NEW YORK

drawing title: GROUNDWATER RESULTS - VOCS AND METALS

job no. 10567
drawing no. SRI2-A

1 of 1

N:\ACAD\10567\CADD\SRI\10567 – RS-A – GROUNDWATER MONITORING WELL NETWORK – WITH GRAPHS.DWG 02/23/21 09:23:37PM, cdm, LAYOUT(RS-A2)



Well ID	MW-206	
Sampling Date	9/11/2020	Units
PFOA	20.4	ng/l (ppt)
PFOS	88.1	ng/l (ppt)
PFOA/PFOS Total	109	ng/l (ppt)
1,4-dioxane	1.25	ug/l (ppb)

Well ID	MW-202	
Sampling Date	9/9/2020	Units
PFOA	32.6	ng/l (ppt)
PFOS	104	ng/l (ppt)
PFOA/PFOS Total	137	ng/l (ppt)
1,4-dioxane	0.188	ug/l (ppb)

Well ID	MW-204	
Sampling Date	9/15/2020	Units
PFOA	42.2	ng/l (ppt)
PFOS	166	ng/l (ppt)
PFOA/PFOS Total	208	ng/l (ppt)
1,4-dioxane	0.828	ug/l (ppb)

Well ID	MW-203	
Sampling Date	9/9/2020	Units
PFOA	35	ng/l (ppt)
PFOS	78.9	ng/l (ppt)
PFOA/PFOS Total	114	ng/l (ppt)
1,4-dioxane	0.589	ug/l (ppb)

Well ID	MW-207S	
Sampling Date	9/15/2020	Units
PFOA	41.2	ng/l (ppt)
PFOS	292	ng/l (ppt)
PFOA/PFOS Total	333	ng/l (ppt)
1,4-dioxane	43.8	ug/l (ppb)

Well ID	MW-207D	
Sampling Date	9/15/2020	Units
PFOA	58.9	ng/l (ppt)
PFOS	437	ng/l (ppt)
PFOA/PFOS Total	496	ng/l (ppt)
1,4-dioxane	86.8	ug/l (ppb)

Well ID	MW-209S	
Sampling Date	9/12/2020	Units
PFOA	47.4	ng/l (ppt)
PFOS	383	ng/l (ppt)
PFOA/PFOS Total	430	ng/l (ppt)
1,4-dioxane	296	ug/l (ppb)

Well ID	MW-209D	
Sampling Date	9/12/2020	Units
PFOA	29.4	ng/l (ppt)
PFOS	193	ng/l (ppt)
PFOA/PFOS Total	222	ng/l (ppt)
1,4-dioxane	81.1	ug/l (ppb)

Well ID	MW-214	
Sampling Date	2/12/2021	Units
PFOA	22.4	ng/l (ppt)
PFOS	46.9	ng/l (ppt)
PFOA/PFOS Total	69	ng/l (ppt)
1,4-dioxane	2.72	ug/l (ppb)

Well ID	MW-207DD	
Sampling Date	2/12/2021	Units
PFOA	29.7	ng/l (ppt)
PFOS	168	ng/l (ppt)
PFOA/PFOS Total	198	ng/l (ppt)
1,4-dioxane	29.5	ug/l (ppb)

Well ID	MW-211D	
Sampling Date	2/16/2021	Units
PFOA	63.8	ng/l (ppt)
PFOS	526	ng/l (ppt)
PFOA/PFOS Total	590	ng/l (ppt)
1,4-dioxane	326	ug/l (ppb)

Well ID	MW-211DD	
Sampling Date	2/12/2021	Units
PFOA	42.4	ng/l (ppt)
PFOS	405	ng/l (ppt)
PFOA/PFOS Total	447	ng/l (ppt)
1,4-dioxane	113	ug/l (ppb)

Well ID	MW-212DD	
Sampling Date	2/16/2021	Units
PFOA	37.4	ng/l (ppt)
PFOS	369	ng/l (ppt)
PFOA/PFOS Total	406	ng/l (ppt)
1,4-dioxane	72.7	ug/l (ppb)

Well ID	MW-210S	
Sampling Date	9/15/2020	Units
PFOA	53.9	ng/l (ppt)
PFOS	904	ng/l (ppt)
PFOA/PFOS Total	958	ng/l (ppt)
1,4-dioxane	240	ug/l (ppb)
Well ID	MW-210I	
Sampling Date	9/15/2020	Units
PFOA	55.2	ng/l (ppt)
PFOS	558	ng/l (ppt)
PFOA/PFOS Total	613	ng/l (ppt)
1,4-dioxane	294	ug/l (ppb)
Well ID	MW-210D	
Sampling Date	9/15/2020	Units
PFOA	63.6	ng/l (ppt)
PFOS	618	ng/l (ppt)
PFOA/PFOS Total	682	ng/l (ppt)
1,4-dioxane	151	ug/l (ppb)

Well ID	MW-208S	
Sampling Date	9/16/2020	Units
PFOA	44.2	ng/l (ppt)
PFOS	174	ng/l (ppt)
PFOA/PFOS Total	218	ng/l (ppt)
1,4-dioxane	2.22	ug/l (ppb)
Well ID	MW-208D	
Sampling Date	9/16/2020	Units
PFOA	139	ng/l (ppt)
PFOS	579	ng/l (ppt)
PFOA/PFOS Total	718	ng/l (ppt)
1,4-dioxane	8.08	ug/l (ppb)

Well ID	MW-210DD	
Sampling Date	2/12/2021	Units
PFOA	25.8	ng/l (ppt)
PFOS	164	ng/l (ppt)
PFOA/PFOS Total	190	ng/l (ppt)
1,4-dioxane	22.7	ug/l (ppb)

Well ID	MW-213	
Sampling Date	2/12/2021	Units
PFOA	44.2	ng/l (ppt)
PFOS	212	ng/l (ppt)
PFOA/PFOS Total	256	ng/l (ppt)
1,4-dioxane	4.21	ug/l (ppb)

Well ID	MW-205S	
Sampling Date	9/17/2020	Units
PFOA	233	ng/l (ppt)
PFOS	758	ng/l (ppt)
PFOA/PFOS Total	991	ng/l (ppt)
1,4-dioxane	7.62	ug/l (ppb)
Well ID	MW-205D	
Sampling Date	9/17/2020	Units
PFOA	55.2	ng/l (ppt)
PFOS	250	ng/l (ppt)
PFOA/PFOS Total	305	ng/l (ppt)
1,4-dioxane	5.06	ug/l (ppb)

LEGEND:

- MW-201 - WELL INSTALLED DURING SRI
- 75'-70' - SCREEN INTERVAL ELEVATION IN FEET AMSL
- MW-9D - MONITORING WELL INSTALLED DURING RI
- 904 - EXCEEDS ACTION LEVEL TRIGGER OR MAXIMUM CONTAMINANT LEVEL

NOTES:
1. THIS PLAN IS FOR LOCATING WELLS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
2. NYS PFAS: NYSDEC GUIDELINES FOR SAMPLING AND ANALYSIS OF PFAS GROUNDWATER ACTION LEVEL TRIGGER (JANUARY 2020)
3. PPT = PARTS PER TRILLION
4. PPB = PARTS PER BILLION

Scale 1"=10'
0 5 10 20 30 40

Analyte	NYS PFAS Action Level Trigger (ng/l)
Perfluorobutanoic Acid (PFBA)	100
Perfluoropentanoic Acid (PFPeA)	100
Perfluorobutanesulfonic Acid (PFBS)	100
Perfluorohexanoic Acid (PFHxA)	100
Perfluoroheptanoic Acid (PFHpA)	100
Perfluorooctanoic Acid (PFOA)	10
Perfluorooctanesulfonic Acid (PFOS)	10
PFOA/PFOS, Total	500

Analyte	NYS Maximum Contaminant Level (ug/l)
1,4-Dioxane	1

REFERENCE
1. EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "BOUNDARY SURVEY OF LOTS 46 THRU 49 AND 60 THRU 63 INCL. MAP OR PROPERTY BELONGING TO MARIA R. LAWTON, DECEASED" PREPARED BY H2M ARCHITECTS AND ENGINEERS DATED SEPT. 28, 2018.

NYS Education Law
Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

© SESI CONSULTING ENGINEERS D.P.C. 2021
This drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.

SESI CONSULTING ENGINEERS
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, NJ. 07058 PH: 973-808-9050

dwg by: ass
chk by: JAM
scale: AS NOTED
date: 03/03/2021

HUGUENOT PARTNERS, LLC
33 CENTRE AVENUE
SECTION NO.2, BLOCK NO. 437 LOTS 1, 3, AND 42
NEW ROCHELLE, NEW YORK

drawing title:
GROUNDWATER RESULTS
EMERGING CONTAMINANTS

job no. 10567
drawing no. SRI2-B

1 of 1

N:\ACAD\10567\CADD\SRI\10567 - FIG-B - GROUNDWATER RESULTS - EMERGING CONTAMINANTS.DWG 03/03/21 03:57:52PM ass LAYOUT:FIG-B

ATTACHMENT C
PURGE LOGS

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	New Rochelle, NY			Job Number:	10567	WELL I.D. : MW-207DD			
Personnel:	JLL			Date:	2/12/2021	SESI CONSULTING ENGINEERS			
				PID:	3.6				
Stickup? N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	Well Diameter (Inches)	Pump Peristaltic or Bladder
1.05	-	67	-	5.96	61.04		65.1	2	Bladder
Turbidity at collection (NTU):		0	(Less than 5 NTU is desirable)		Duplicate Collected? N			Filtered Sample	N
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	930	11.13	7.81	1.61	0	-115	1000+	6.15	Y
	935	11.32	7.2	1.66	0	-128	852	6.16	Y
	940	11.43	7.01	1.67	0	-57	924	6.18	Y
	945	9.44	7.12	1.71	0	-72	663	6.22	Y
	950	11.14	6.97	1.74	0	-81	622	6.21	Y
	955	11.17	6.94	1.67	0	-89	500	6.21	Y
	1000	11.01	6.89	1.68	0	-90	345	6.21	Y
	1005	10.85	6.88	1.73	0	-88	259	6.21	Y
	1010	9.67	6.87	1.74	0	-86	218	6.21	Y
	1015	8.04	6.87	1.73	0	-84	252	6.21	Y
	1020	7.46	6.87	1.65	0	-89	294	6.21	Y
	1025	8.66	6.86	1.66	0	-92	175	6.21	Y
	1030	10.01	6.84	1.66	0	-93	115	6.21	Y
	1035	10.41	6.84	1.67	0	-93	104	6.21	Y
	1040	10.54	6.82	1.71	0	-92	100	6.21	Y
3 gallon	1045	10.42	6.81	1.73	0	-93	99	6.21	Y

Well Condition Summary

Cover: N	Bolts: N		Concrete Pad OK: N/A	Gripper: Y	Screened 57' - 67'

Sample Collection Information

Sample Time:	1045	Appearance: Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	New Rochelle, NY			Job Number:	10567	WELL I.D. : MW210DD			
Personnel:	JCS			Date:	2/12/2021	SESI CONSULTING ENGINEERS			
				PID:	11.6				
Stickup? Y Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	Well Diameter (Inches)	Pump Peristaltic or Bladder
2'		67'	NE	6.15	60.85	36.55	62'	2	Bladder
Turbidity at collection (NTU):		10.9	(Less than 5 NTU is desirable)		Duplicate Collected? N			Filtered Sample	N
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	900	6.57	9.19	1.35	3.82	-78	16.1	6.25	Y
	905	7.37	8.27	1.85	0	-123	12.9	6.28	Y
	910	8.16	7.63	1.9	0	-145	12.6	6.28	Y
	915	8.55	7.24	1.95	0	-142	13.7	6.28	Y
	920	8.91	7.01	1.99	0	-142	12.9	6.28	Y
	925	8.95	6.89	2.01	0	-140	8.5	6.28	Y
	930	9.21	6.75	2.1	0	-138	7.4	6.28	Y
	935	9.24	6.72	2.14	0	-137	8.1	6.28	Y
3	940	9.3	6.69	2.15	0	-136	10.9	6.28	Y

Well Condition Summary

Cover: Y	Bolts: N		Concrete Pad OK: Y	Gripper: Y	

Sample Collection Information

Sample Time:	945	Appearance: Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	New Rochelle, NY			Job Number:	10567	WELL I.D. : MW-211D			
Personnel:	JLL			Date:	2/16/2021				
				PID:	73.5				
Stickup? N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	Well Diameter (Inches)	Pump Peristaltic or Bladder
-	0.5	53.5	-	15.65	37.85		50.63	2	Bladder
Turbidity at collection (NTU):		0	(Less than 5 NTU is desirable)		Duplicate Collected? N			Filtered Sample	N
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	925	10.06	9.89	2.24	1.85	-181	427	15.41	N
	930	11.38	8.99	2.23	0	-133	331	15.63	N
	935	12.07	8.45	2.23	0	-125	300	15.82	N
	940	12.26	8.13	2.24	0	-127	294	16.28	N
	945	12.43	7.95	2.23	0	-128	304	16.69	N
	950	12.16	7.84	2.24	0	-129	306	17.09	N
	955	11.87	7.77	2.21	0	-126	317	17.43	N
	1000	11.01	771	2.16	0	-116	302	17.95	N
	1005	10.51	7.72	2.17	0	-113	292	18.23	N
	1010	9.82	7.71	2.16	0	-116	373	18.49	N
	1015	9.42	7.67	2.23	0	-114	511	18.78	N
	1020	9.87	7.65	2.25	0	-107	487	19.05	N
	1025	9.85	7.66	2.25	0	-105	491	19.19	N
	1030	10.01	7.69	2.23	0	-101	467	19.31	N
	1035	10.04	7.72	2.23	0	-103	447	19.46	N
	1040	10.08	7.72	2.23	0	-116	448	19.62	N
	1045	10.11	7.71	2.22	0	-127	434	19.72	N
	1050	10.22	7.71	2.21	0	-129	450	19.81	N
	1055	10.21	7.67	2.22	0	-129	431	19.88	N
	1100	10.21	7.64	2.21	0	-127	427	19.94	N
2.5 gallon	1105	10.22	7.61	2.22	0	-127	442	20.01	N

Well Condition Summary						
Cover: Y		Bolts: Y		Concrete Pad OK: Y	Gripper: Y	Screened 48.5' - 53.5'

Sample Collection Information				
Sample Time:	1105	Appearance: Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK							
Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	New Rochelle, NY			Job Number:	10567	WELL I.D. : MW-211DD			
Personnel:	JLL			Date:	2/12/2021	SESI CONSULTING ENGINEERS			
				PID:	20.1				
Stickup? N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	Well Diameter (Inches)	Pump Peristaltic or Bladder
-	0.25	77.5	-	13.95	63.55		69.02	2	Bladder
Turbidity at collection (NTU):		0	(Less than 5 NTU is desirable)		Duplicate Collected? N			Filtered Sample	N
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	1320	7.82	11.83	2.42	0	-77	254	14.04	N
	1325	8.17	12.28	2.61	0	-97	135	14.08	N
	1330	7.75	12.35	2.57	0	-95	28.1	14.11	N
	1335	7.09	12.45	2.61	0	-94	16.7	14.12	N
	1340	7.13	12.49	2.63	0	-95	15.3	14.12	N
2	1345	7.15	12.55	2.68	0	-94	14.8	14.13	N

Well Condition Summary					
Cover: Y	Bolts: Y		Concrete Pad OK: Y	Gripper: Y	Screened 67.5' - 77.5'

Sample Collection Information				
Sample Time:	1345	Appearance: Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK							
Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	New Rochelle, NY			Job Number:	10567	WELL I.D. : MW-212DD			
Personnel:	JLL			Date:	2/16/2021	SESI CONSULTING ENGINEERS			
				PID:	20.2				
Stickup? N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	Well Diameter (Inches)	Pump Peristaltic or Bladder
-	0.25	87.5	-	13.91	73.59		83.43	2	Bladder
Turbidity at collection (NTU):		0	(Less than 5 NTU is desirable)		Duplicate Collected? N			Filtered Sample	N
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	1215	11.79	7.28	1.97	0	-52	50.3	13.92	N
	1220	12.48	7.16	2.01	0	-64	52.6	13.93	N
	1225	13.03	7.14	2.02	0	-71	58.9	13.95	N
	1230	13.31	7.13	2.03	0	-73	52.4	13.94	N
	1235	13.35	7.11	2.05	0	-72	50.4	13.96	N
2	1240	13.25	7.08	2.07	0	-71	46.8	13.98	N

Well Condition Summary					
Cover: Y	Bolts: Y		Concrete Pad OK: Y	Gripper: Y	Screened 77.5' - 87.5'

Sample Collection Information				
Sample Time:	1240	Appearance: Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK							
Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	New Rochelle, NY			Job Number:	10567	WELL I.D. : MW-213			
Personnel:	JCS			Date:	2/12/2021	SESI CONSULTING ENGINEERS			
				PID:	0				
Stickup? N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	Well Diameter (Inches)	Pump Peristaltic or Bladder
		42'	NE	18.48	23.52	30.24	38	2	Bladder
Turbidity at collection (NTU):		0	(Less than 5 NTU is desirable)		Duplicate Collected? N			Filtered Sample	N
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	1120	6.13	7.03	3.74	0	-43	95.2	18.65	Y
	1125	9.5	6.7	3.73	0	-40	7.1	18.72	Y
	1130	10.47	6.5	3.8	0	-40	0	18.75	Y
	1135	11.08	6.42	3.82	0	-41	0	18.75	Y
	1140	11.2	6.39	3.82	0	-42	0	18.75	Y
	1145	11.34	6.37	3.83	0	-44	0	18.75	Y
2.5	1150	11.41	6.36	3.84	0	-47	0	18.75	Y

Well Condition Summary

Cover: Y	Bolts: N		Concrete Pad OK: Y	Gripper: Y	

Sample Collection Information

Sample Time:	1155	Appearance: Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	New Rochelle, NY			Job Number:	10567	WELL I.D. : MW-214			
Personnel:	JCS			Date:	2/12/2021				
				PID:	0	SESI CONSULTING ENGINEERS			
Stickup? N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	Well Diameter (Inches)	Pump Peristaltic or Bladder
		43'	NE	12.18	30.82	27.59	39	2	Bladder
Turbidity at collection (NTU):		0	(Less than 5 NTU is desirable)		Duplicate Collected? N			Filtered Sample	N
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	1410	7.44	6.14	1.88	0	137	12.5	12.25	Y
	1415	10.4	6.08	1.9	0	138	0	12.3	Y
	1420	12.03	6.08	1.89	0	139	0	12.3	Y
	1425	12.67	6.07	1.86	0	142	0	12.3	Y
	1430	12.69	6.07	1.88	0	143	0	12.3	Y
	1435	12.71	6.07	1.86	0	143	0	12.3	Y
2.5	1440	12.88	6.06	1.85	0	144	0	12.3	Y

Well Condition Summary

Cover: Y	Bolts: N		Concrete Pad OK: Y	Gripper: Y	

Sample Collection Information

Sample Time:	1445	Appearance: Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

ATTACHMENT D
LABORATORY ANALYTICAL REPORTS

ANALYTICAL REPORT

Lab Number:	L2107099
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	33 CENTRE AVE.
Project Number:	10567
Report Date:	02/17/21

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

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

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

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107099
Report Date: 02/17/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2107099-01	MW-213	WATER	NEW ROCHELLE, NY	02/12/21 11:55	02/12/21
L2107099-02	MW-214	WATER	NEW ROCHELLE, NY	02/12/21 14:45	02/12/21
L2107099-03	MW-207DD	WATER	NEW ROCHELLE, NY	02/12/21 09:45	02/12/21
L2107099-04	MW-211DD	WATER	NEW ROCHELLE, NY	02/12/21 13:45	02/12/21
L2107099-05	MW-210DD	WATER	NEW ROCHELLE, NY	02/12/21 10:30	02/12/21
L2107099-06	FB_02122021	WATER	NEW ROCHELLE, NY	02/12/21 12:00	02/12/21
L2107099-07	TB_02122021	WATER	NEW ROCHELLE, NY	02/12/21 00:00	02/12/21

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107099
Project Number:	10567	**Report Date:**	02/17/21

Case Narrative

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

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

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

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

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

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

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107099
Project Number:	10567	**Report Date:**	02/17/21

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2107099-03: The collection date and time on the chain of custody was 12-FEB-21 09:45; however, the collection date/time on the container label was 12-FEB-21 10:30. At the client's request, the collection date/time is reported as 12-FEB-21 09:45.

L2107099-05: The collection date and time on the chain of custody was 12-FEB-21 10:30; however, the collection date/time on the container label was 12-FEB-21 09:45. At the client's request, the collection date/time is reported as 12-FEB-21 10:30.

Total Metals

L2107099-06: The Field Blank has a concentration above the reporting limit for Sodium. The results were confirmed.

The WG1464729-3 MS recoveries for calcium (60%), iron (0%), magnesium (236%) and sodium (0%), performed on L2107099-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1464731-3 MS recovery, performed on L2107099-02, is outside the acceptance criteria for mercury (140%). A post digestion spike was performed and was within acceptance criteria.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 02/17/21

ORGANICS

VOLATILES

Project Name: 33 CENTRE AVE.
Lab Number: L2107099
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-01
Client ID: MW-213
Sample Location: NEW ROCHELLE, NY
Date Collected: 02/12/21 11:55
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/13/21 12:46
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	35		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	64		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	2.9		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	0.95	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	5.9		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	5.4		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.6	J	ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-01 Date Collected: 02/12/21 11:55

Client ID: MW-213 Date Received: 02/12/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	18		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	1.6	J	ug/l	2.5	0.70	1
o-Xylene	1.4	J	ug/l	2.5	0.70	1
Xylenes, Total	3.0	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	8.0		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	9.6	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-01 Date Collected: 02/12/21 11:55

Client ID: MW-213 Date Received: 02/12/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	105		70-130

Project Name: 33 CENTRE AVE.
Lab Number: L2107099
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-02
Client ID: MW-214
Sample Location: NEW ROCHELLE, NY
Date Collected: 02/12/21 14:45
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/13/21 13:10
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	2.2	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.22	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.36	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.15	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	9.1		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-02 Date Collected: 02/12/21 14:45

Client ID: MW-214 Date Received: 02/12/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	31		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	2.7		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-02 Date Collected: 02/12/21 14:45

Client ID: MW-214 Date Received: 02/12/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
Total TIC Compounds	1.62	J	ug/l			1
Difluorochloromethane	1.62	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	103		70-130

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-03 D
Client ID: MW-207DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 09:45
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/13/21 13:33
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	120		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	7.0	J	ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	3.1	J	ug/l	10	2.6	20
1,1,1-Trichloroethane	3600		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
1,3-Dichloropropene, Total	ND		ug/l	10	2.9	20
1,1-Dichloropropene	ND		ug/l	50	14.	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	16	J	ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	2.5	J	ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	240		ug/l	10	3.4	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-03 D
Client ID: MW-207DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 09:45
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	220		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
Xylenes, Total	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	ND		ug/l	50	14.	20
1,2-Dichloroethene, Total	ND		ug/l	50	14.	20
Dibromomethane	ND		ug/l	100	20.	20
1,2,3-Trichloropropane	ND		ug/l	50	14.	20
Acrylonitrile	ND		ug/l	100	30.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
Vinyl acetate	ND		ug/l	100	20.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
2,2-Dichloropropane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,3-Dichloropropane	ND		ug/l	50	14.	20
1,1,1,2-Tetrachloroethane	ND		ug/l	50	14.	20
Bromobenzene	ND		ug/l	50	14.	20
n-Butylbenzene	ND		ug/l	50	14.	20
sec-Butylbenzene	ND		ug/l	50	14.	20
tert-Butylbenzene	ND		ug/l	50	14.	20
o-Chlorotoluene	ND		ug/l	50	14.	20
p-Chlorotoluene	ND		ug/l	50	14.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Hexachlorobutadiene	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
p-Isopropyltoluene	ND		ug/l	50	14.	20
Naphthalene	ND		ug/l	50	14.	20

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-03 D
Client ID: MW-207DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 09:45
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
1,3,5-Trimethylbenzene	ND		ug/l	50	14.	20
1,2,4-Trimethylbenzene	ND		ug/l	50	14.	20
1,4-Dioxane	ND		ug/l	5000	1200	20
p-Diethylbenzene	ND		ug/l	40	14.	20
p-Ethyltoluene	ND		ug/l	40	14.	20
1,2,4,5-Tetramethylbenzene	ND		ug/l	40	11.	20
Ethyl ether	ND		ug/l	50	14.	20
trans-1,4-Dichloro-2-butene	ND		ug/l	50	14.	20
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	102		70-130

Project Name: 33 CENTRE AVE.
Lab Number: L2107099
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-04 D
Client ID: MW-211DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 13:45
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/13/21 13:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	42		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	4.3	J	ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	440		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
1,3-Dichloropropene, Total	ND		ug/l	5.0	1.4	10
1,1-Dichloropropene	ND		ug/l	25	7.0	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	19	J	ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	250		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-04 D
Client ID: MW-211DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 13:45
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	980		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
Xylenes, Total	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	13	J	ug/l	25	7.0	10
1,2-Dichloroethene, Total	13	J	ug/l	25	7.0	10
Dibromomethane	ND		ug/l	50	10.	10
1,2,3-Trichloropropane	ND		ug/l	25	7.0	10
Acrylonitrile	ND		ug/l	50	15.	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
Vinyl acetate	ND		ug/l	50	10.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
2,2-Dichloropropane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,3-Dichloropropane	ND		ug/l	25	7.0	10
1,1,1,2-Tetrachloroethane	ND		ug/l	25	7.0	10
Bromobenzene	ND		ug/l	25	7.0	10
n-Butylbenzene	ND		ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
o-Chlorotoluene	ND		ug/l	25	7.0	10
p-Chlorotoluene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Hexachlorobutadiene	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
Naphthalene	ND		ug/l	25	7.0	10

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-04 D
Client ID: MW-211DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 13:45
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	ND		ug/l	25	7.0	10
1,2,4-Trimethylbenzene	ND		ug/l	25	7.0	10
1,4-Dioxane	ND		ug/l	2500	610	10
p-Diethylbenzene	ND		ug/l	20	7.0	10
p-Ethyltoluene	ND		ug/l	20	7.0	10
1,2,4,5-Tetramethylbenzene	ND		ug/l	20	5.4	10
Ethyl ether	ND		ug/l	25	7.0	10
trans-1,4-Dichloro-2-butene	ND		ug/l	25	7.0	10
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	102		70-130

Project Name: 33 CENTRE AVE.
Lab Number: L2107099
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-05 D
Client ID: MW-210DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 10:30
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/13/21 14:19
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	120	35.	50
1,1-Dichloroethane	360		ug/l	120	35.	50
Chloroform	ND		ug/l	120	35.	50
Carbon tetrachloride	ND		ug/l	25	6.7	50
1,2-Dichloropropane	ND		ug/l	50	6.8	50
Dibromochloromethane	ND		ug/l	25	7.4	50
1,1,2-Trichloroethane	ND		ug/l	75	25.	50
Tetrachloroethene	ND		ug/l	25	9.0	50
Chlorobenzene	ND		ug/l	120	35.	50
Trichlorofluoromethane	ND		ug/l	120	35.	50
1,2-Dichloroethane	9.1	J	ug/l	25	6.6	50
1,1,1-Trichloroethane	8700		ug/l	120	35.	50
Bromodichloromethane	ND		ug/l	25	9.6	50
trans-1,3-Dichloropropene	ND		ug/l	25	8.2	50
cis-1,3-Dichloropropene	ND		ug/l	25	7.2	50
1,3-Dichloropropene, Total	ND		ug/l	25	7.2	50
1,1-Dichloropropene	ND		ug/l	120	35.	50
Bromoform	ND		ug/l	100	32.	50
1,1,2,2-Tetrachloroethane	ND		ug/l	25	8.4	50
Benzene	ND		ug/l	25	8.0	50
Toluene	37	J	ug/l	120	35.	50
Ethylbenzene	ND		ug/l	120	35.	50
Chloromethane	ND		ug/l	120	35.	50
Bromomethane	ND		ug/l	120	35.	50
Vinyl chloride	6.2	J	ug/l	50	3.6	50
Chloroethane	ND		ug/l	120	35.	50
1,1-Dichloroethene	420		ug/l	25	8.4	50
trans-1,2-Dichloroethene	ND		ug/l	120	35.	50

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-05 D
Client ID: MW-210DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 10:30
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	190		ug/l	25	8.8	50
1,2-Dichlorobenzene	ND		ug/l	120	35.	50
1,3-Dichlorobenzene	ND		ug/l	120	35.	50
1,4-Dichlorobenzene	ND		ug/l	120	35.	50
Methyl tert butyl ether	ND		ug/l	120	35.	50
p/m-Xylene	ND		ug/l	120	35.	50
o-Xylene	ND		ug/l	120	35.	50
Xylenes, Total	ND		ug/l	120	35.	50
cis-1,2-Dichloroethene	ND		ug/l	120	35.	50
1,2-Dichloroethene, Total	ND		ug/l	120	35.	50
Dibromomethane	ND		ug/l	250	50.	50
1,2,3-Trichloropropane	ND		ug/l	120	35.	50
Acrylonitrile	ND		ug/l	250	75.	50
Styrene	ND		ug/l	120	35.	50
Dichlorodifluoromethane	ND		ug/l	250	50.	50
Acetone	ND		ug/l	250	73.	50
Carbon disulfide	ND		ug/l	250	50.	50
2-Butanone	ND		ug/l	250	97.	50
Vinyl acetate	ND		ug/l	250	50.	50
4-Methyl-2-pentanone	ND		ug/l	250	50.	50
2-Hexanone	ND		ug/l	250	50.	50
Bromochloromethane	ND		ug/l	120	35.	50
2,2-Dichloropropane	ND		ug/l	120	35.	50
1,2-Dibromoethane	ND		ug/l	100	32.	50
1,3-Dichloropropane	ND		ug/l	120	35.	50
1,1,1,2-Tetrachloroethane	ND		ug/l	120	35.	50
Bromobenzene	ND		ug/l	120	35.	50
n-Butylbenzene	ND		ug/l	120	35.	50
sec-Butylbenzene	ND		ug/l	120	35.	50
tert-Butylbenzene	ND		ug/l	120	35.	50
o-Chlorotoluene	ND		ug/l	120	35.	50
p-Chlorotoluene	ND		ug/l	120	35.	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	35.	50
Hexachlorobutadiene	ND		ug/l	120	35.	50
Isopropylbenzene	ND		ug/l	120	35.	50
p-Isopropyltoluene	ND		ug/l	120	35.	50
Naphthalene	ND		ug/l	120	35.	50

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-05 D
Client ID: MW-210DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 10:30
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	120	35.	50
1,2,3-Trichlorobenzene	ND		ug/l	120	35.	50
1,2,4-Trichlorobenzene	ND		ug/l	120	35.	50
1,3,5-Trimethylbenzene	ND		ug/l	120	35.	50
1,2,4-Trimethylbenzene	ND		ug/l	120	35.	50
1,4-Dioxane	ND		ug/l	12000	3000	50
p-Diethylbenzene	ND		ug/l	100	35.	50
p-Ethyltoluene	ND		ug/l	100	35.	50
1,2,4,5-Tetramethylbenzene	ND		ug/l	100	27.	50
Ethyl ether	ND		ug/l	120	35.	50
trans-1,4-Dichloro-2-butene	ND		ug/l	120	35.	50
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Project Name: 33 CENTRE AVE.
Lab Number: L2107099
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-06
Client ID: FB_02122021
Sample Location: NEW ROCHELLE, NY
Date Collected: 02/12/21 12:00
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/13/21 12:23
Analyst: PD

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

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-06 Date Collected: 02/12/21 12:00

Client ID: FB_02122021 Date Received: 02/12/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-06 Date Collected: 02/12/21 12:00

Client ID: FB_02122021 Date Received: 02/12/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Project Name: 33 CENTRE AVE.
Lab Number: L2107099
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-07
Client ID: TB_02122021
Sample Location: NEW ROCHELLE, NY
Date Collected: 02/12/21 00:00
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/13/21 12:00
Analyst: PD

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

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-07 Date Collected: 02/12/21 00:00

Client ID: TB_02122021 Date Received: 02/12/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-07 Date Collected: 02/12/21 00:00

Client ID: TB_02122021 Date Received: 02/12/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	104		70-130

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/13/21 11:37
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1464756-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/13/21 11:37
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1464756-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/13/21 11:37
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1464756-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/13/21 11:37
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1464756-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107099
Report Date: 02/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1464756-3 WG1464756-4								
Methylene chloride	88		86		70-130	2		20
1,1-Dichloroethane	89		86		70-130	3		20
Chloroform	91		88		70-130	3		20
Carbon tetrachloride	86		83		63-132	4		20
1,2-Dichloropropane	87		85		70-130	2		20
Dibromochloromethane	98		97		63-130	1		20
1,1,2-Trichloroethane	93		94		70-130	1		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	96		93		75-130	3		20
Trichlorofluoromethane	90		88		62-150	2		20
1,2-Dichloroethane	89		87		70-130	2		20
1,1,1-Trichloroethane	95		92		67-130	3		20
Bromodichloromethane	91		89		67-130	2		20
trans-1,3-Dichloropropene	96		96		70-130	0		20
cis-1,3-Dichloropropene	90		89		70-130	1		20
1,1-Dichloropropene	91		88		70-130	3		20
Bromoform	94		96		54-136	2		20
1,1,2,2-Tetrachloroethane	90		91		67-130	1		20
Benzene	91		87		70-130	4		20
Toluene	100		96		70-130	4		20
Ethylbenzene	95		92		70-130	3		20
Chloromethane	93		88		64-130	6		20
Bromomethane	95		95		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107099

Report Date: 02/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1464756-3 WG1464756-4								
Vinyl chloride	79		75		55-140	5		20
Chloroethane	84		78		55-138	7		20
1,1-Dichloroethene	87		84		61-145	4		20
trans-1,2-Dichloroethene	90		87		70-130	3		20
Trichloroethene	93		92		70-130	1		20
1,2-Dichlorobenzene	98		95		70-130	3		20
1,3-Dichlorobenzene	99		96		70-130	3		20
1,4-Dichlorobenzene	99		95		70-130	4		20
Methyl tert butyl ether	84		86		63-130	2		20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	93		90		70-130	3		20
Dibromomethane	83		86		70-130	4		20
1,2,3-Trichloropropane	92		91		64-130	1		20
Acrylonitrile	72		76		70-130	5		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	76		72		36-147	5		20
Acetone	86		87		58-148	1		20
Carbon disulfide	86		82		51-130	5		20
2-Butanone	82		89		63-138	8		20
Vinyl acetate	77		77		70-130	0		20
4-Methyl-2-pentanone	79		83		59-130	5		20
2-Hexanone	71		74		57-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107099

Report Date: 02/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1464756-3 WG1464756-4								
Bromochloromethane	98		96		70-130	2		20
2,2-Dichloropropane	100		98		63-133	2		20
1,2-Dibromoethane	93		95		70-130	2		20
1,3-Dichloropropane	93		92		70-130	1		20
1,1,1,2-Tetrachloroethane	98		95		64-130	3		20
Bromobenzene	100		96		70-130	4		20
n-Butylbenzene	100		96		53-136	4		20
sec-Butylbenzene	100		97		70-130	3		20
tert-Butylbenzene	100		99		70-130	1		20
o-Chlorotoluene	99		94		70-130	5		20
p-Chlorotoluene	99		94		70-130	5		20
1,2-Dibromo-3-chloropropane	83		88		41-144	6		20
Hexachlorobutadiene	120		110		63-130	9		20
Isopropylbenzene	100		97		70-130	3		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	89		97		70-130	9		20
n-Propylbenzene	100		95		69-130	5		20
1,2,3-Trichlorobenzene	100		110		70-130	10		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	100		99		64-130	1		20
1,2,4-Trimethylbenzene	100		97		70-130	3		20
1,4-Dioxane	66		68		56-162	3		20
p-Diethylbenzene	110		100		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107099

Report Date: 02/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1464756-3 WG1464756-4								
p-Ethyltoluene	100		98		70-130	2		20
1,2,4,5-Tetramethylbenzene	110		100		70-130	10		20
Ethyl ether	82		82		59-134	0		20
trans-1,4-Dichloro-2-butene	77		79		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		99		70-130
Toluene-d8	110		109		70-130
4-Bromofluorobenzene	107		105		70-130
Dibromofluoromethane	105		103		70-130

SEMIVOLATILES

Project Name: 33 CENTRE AVE.
Lab Number: L2107099
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-01
Client ID: MW-213
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 11:55
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/15/21 18:49
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/15/21 04:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	4210		ng/l	134	30.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	61		15-110

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107099
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-01
Client ID: MW-213
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 11:55
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/21 15:48
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/14/21 11:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	14.7		ng/l	2.17	0.443	1
Perfluoropentanoic Acid (PFPeA)	20.9		ng/l	2.17	0.430	1
Perfluorobutanesulfonic Acid (PFBS)	71.2		ng/l	2.17	0.259	1
Perfluorohexanoic Acid (PFHxA)	18.1		ng/l	2.17	0.356	1
Perfluoroheptanoic Acid (PFHpA)	13.7		ng/l	2.17	0.245	1
Perfluorohexanesulfonic Acid (PFHxS)	5.87		ng/l	2.17	0.408	1
Perfluorooctanoic Acid (PFOA)	44.2		ng/l	2.17	0.256	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.71		ng/l	2.17	1.45	1
Perfluoroheptanesulfonic Acid (PFHpS)	3.49		ng/l	2.17	0.748	1
Perfluorononanoic Acid (PFNA)	3.45		ng/l	2.17	0.339	1
Perfluorooctanesulfonic Acid (PFOS)	212		ng/l	2.17	0.548	1
Perfluorodecanoic Acid (PFDA)	0.895	J	ng/l	2.17	0.330	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.17	1.32	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.17	0.704	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.17	0.282	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.17	1.06	1
Perfluorooctanesulfonamide (FOSA)	1.65	J	ng/l	2.17	0.630	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.97	JF	ng/l	2.17	0.874	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.17	0.404	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.17	0.356	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.17	0.269	1
PFOA/PFOS, Total	256		ng/l	2.17	0.256	1

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-01 Date Collected: 02/12/21 11:55

Client ID: MW-213 Date Received: 02/12/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	108		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	81		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	114		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	133		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	81		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	61		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	78		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	29		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	71		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	67		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	62		22-136

Project Name: 33 CENTRE AVE.
Lab Number: L2107099
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-02
Client ID: MW-214
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 14:45
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/15/21 19:13
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/15/21 04:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	2720		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	58		15-110

Project Name: 33 CENTRE AVE.
Lab Number: L2107099
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-02
Client ID: MW-214
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 14:45
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/21 16:04
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/14/21 11:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	6.98		ng/l	1.93	0.394	1
Perfluoropentanoic Acid (PFPeA)	12.7		ng/l	1.93	0.382	1
Perfluorobutanesulfonic Acid (PFBS)	7.41		ng/l	1.93	0.230	1
Perfluorohexanoic Acid (PFHxA)	10.7		ng/l	1.93	0.317	1
Perfluoroheptanoic Acid (PFHpA)	7.05		ng/l	1.93	0.218	1
Perfluorohexanesulfonic Acid (PFHxS)	3.33	F	ng/l	1.93	0.363	1
Perfluorooctanoic Acid (PFOA)	22.4		ng/l	1.93	0.228	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.42		ng/l	1.93	1.29	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.765	J	ng/l	1.93	0.664	1
Perfluorononanoic Acid (PFNA)	2.50		ng/l	1.93	0.301	1
Perfluorooctanesulfonic Acid (PFOS)	46.9		ng/l	1.93	0.487	1
Perfluorodecanoic Acid (PFDA)	0.645	J	ng/l	1.93	0.294	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.93	1.17	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.93	0.626	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.93	0.251	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.93	0.946	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.93	0.560	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.93	0.776	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.93	0.359	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.93	0.316	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.93	0.240	1
PFOA/PFOS, Total	69.3		ng/l	1.93	0.228	1

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-02 Date Collected: 02/12/21 14:45

Client ID: MW-214 Date Received: 02/12/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	111		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	100		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	115		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	73		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	73		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	63		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	38		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		22-136

Project Name: 33 CENTRE AVE.
Lab Number: L2107099
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-03
Client ID: MW-207DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 09:45
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/15/21 19:37
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/15/21 04:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	29500		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	64		15-110

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107099
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-03
Client ID: MW-207DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 09:45
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/21 16:21
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/14/21 11:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	10.5		ng/l	1.77	0.360	1
Perfluoropentanoic Acid (PFPeA)	16.6		ng/l	1.77	0.350	1
Perfluorobutanesulfonic Acid (PFBS)	45.7		ng/l	1.77	0.210	1
Perfluorohexanoic Acid (PFHxA)	13.6		ng/l	1.77	0.290	1
Perfluoroheptanoic Acid (PFHpA)	8.54		ng/l	1.77	0.199	1
Perfluorohexanesulfonic Acid (PFHxS)	4.56		ng/l	1.77	0.332	1
Perfluorooctanoic Acid (PFOA)	29.7		ng/l	1.77	0.208	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.50	J	ng/l	1.77	1.18	1
Perfluoroheptanesulfonic Acid (PFHpS)	2.98		ng/l	1.77	0.608	1
Perfluorononanoic Acid (PFNA)	2.66		ng/l	1.77	0.276	1
Perfluorooctanesulfonic Acid (PFOS)	168		ng/l	1.77	0.445	1
Perfluorodecanoic Acid (PFDA)	1.14	J	ng/l	1.77	0.269	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.77	1.07	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.77	0.573	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.77	0.230	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.77	0.866	1
Perfluorooctanesulfonamide (FOSA)	0.767	JF	ng/l	1.77	0.512	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.24	J	ng/l	1.77	0.710	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.77	0.329	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.77	0.289	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.77	0.219	1
PFOA/PFOS, Total	198		ng/l	1.77	0.208	1

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-03 Date Collected: 02/12/21 09:45

Client ID: MW-207DD Date Received: 02/12/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	103		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	108		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	105		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	83		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	62		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	77		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	33		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	64		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	60		22-136

Project Name: 33 CENTRE AVE.
Lab Number: L2107099
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-04
Client ID: MW-211DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 13:45
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/15/21 20:02
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/15/21 04:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	113000		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	66		15-110

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107099
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-04
Client ID: MW-211DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 13:45
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/21 16:37
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/14/21 11:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	11.0		ng/l	1.81	0.370	1
Perfluoropentanoic Acid (PFPeA)	12.4		ng/l	1.81	0.359	1
Perfluorobutanesulfonic Acid (PFBS)	88.9		ng/l	1.81	0.216	1
Perfluorohexanoic Acid (PFHxA)	10.7		ng/l	1.81	0.297	1
Perfluoroheptanoic Acid (PFHpA)	8.45		ng/l	1.81	0.204	1
Perfluorohexanesulfonic Acid (PFHxS)	8.24		ng/l	1.81	0.340	1
Perfluorooctanoic Acid (PFOA)	42.4		ng/l	1.81	0.214	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.81	1.21	1
Perfluoroheptanesulfonic Acid (PFHpS)	10.0		ng/l	1.81	0.623	1
Perfluorononanoic Acid (PFNA)	2.18		ng/l	1.81	0.282	1
Perfluorooctanesulfonic Acid (PFOS)	405		ng/l	1.81	0.456	1
Perfluorodecanoic Acid (PFDA)	0.786	J	ng/l	1.81	0.275	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.81	1.10	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.81	0.587	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.81	0.235	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.81	0.888	1
Perfluorooctanesulfonamide (FOSA)	3.04	F	ng/l	1.81	0.525	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.60	JF	ng/l	1.81	0.728	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.81	0.337	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.81	0.296	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.81	0.225	1
PFOA/PFOS, Total	447		ng/l	1.81	0.214	1

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-04 Date Collected: 02/12/21 13:45

Client ID: MW-211DD Date Received: 02/12/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	112		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	118		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	108		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	119		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	125		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	117		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	98		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	68		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	87		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	61		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	68		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	62		22-136

Project Name: 33 CENTRE AVE.
Lab Number: L2107099
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-05
Client ID: MW-210DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 10:30
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/15/21 20:25
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/15/21 04:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	22700		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	58		15-110

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107099
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-05
Client ID: MW-210DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 10:30
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/21 16:54
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/14/21 11:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	8.91		ng/l	1.99	0.406	1
Perfluoropentanoic Acid (PFPeA)	14.8		ng/l	1.99	0.394	1
Perfluorobutanesulfonic Acid (PFBS)	76.6		ng/l	1.99	0.237	1
Perfluorohexanoic Acid (PFHxA)	11.8		ng/l	1.99	0.327	1
Perfluoroheptanoic Acid (PFHpA)	7.47		ng/l	1.99	0.224	1
Perfluorohexanesulfonic Acid (PFHxS)	4.16		ng/l	1.99	0.375	1
Perfluorooctanoic Acid (PFOA)	25.8		ng/l	1.99	0.235	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.99	1.33	1
Perfluoroheptanesulfonic Acid (PFHpS)	2.87		ng/l	1.99	0.686	1
Perfluorononanoic Acid (PFNA)	2.25		ng/l	1.99	0.311	1
Perfluorooctanesulfonic Acid (PFOS)	164		ng/l	1.99	0.502	1
Perfluorodecanoic Acid (PFDA)	0.737	J	ng/l	1.99	0.303	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.99	1.21	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.99	0.646	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.99	0.259	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.99	0.976	1
Perfluorooctanesulfonamide (FOSA)	0.737	JF	ng/l	1.99	0.578	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.99	0.801	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.99	0.371	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.99	0.326	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.99	0.247	1
PFOA/PFOS, Total	190		ng/l	1.99	0.235	1

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-05 Date Collected: 02/12/21 10:30

Client ID: MW-210DD Date Received: 02/12/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	117		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	100		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	118		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	112		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	104		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	80		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	75		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	66		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	66		22-136

Project Name: 33 CENTRE AVE.
Lab Number: L2107099
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-06
Client ID: FB_02122021
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 12:00
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/15/21 20:49
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/15/21 04:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	65		15-110

Project Name: 33 CENTRE AVE.
Lab Number: L2107099
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-06
Client ID: FB_02122021
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/12/21 12:00
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/21 17:10
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/14/21 11:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.92	0.392	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.92	0.380	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.92	0.228	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.92	0.315	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.92	0.216	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.92	0.361	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.92	0.227	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.92	1.28	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.92	0.661	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.92	0.300	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.92	0.484	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.92	0.292	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.92	1.16	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.92	0.622	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.92	0.250	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.92	0.941	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.92	0.557	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.92	0.772	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.92	0.357	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.92	0.314	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.92	0.238	1
PFOA/PFOS, Total	ND		ng/l	1.92	0.227	1

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-06 Date Collected: 02/12/21 12:00

Client ID: FB_02122021 Date Received: 02/12/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	105		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	133		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	115		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	112		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	105		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	115		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	106		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	52		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	108		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	105		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	67		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	61		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	87		22-136

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/21 11:55
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/14/21 11:11

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-06 Batch: WG1464591-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/21 11:55
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/14/21 11:11

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-06 Batch: WG1464591-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	126		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	124		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	112		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	103		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	113		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	97		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	86		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	48		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	89		22-136

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107099
Report Date: 02/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/15/21 16:48
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/15/21 04:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-06 Batch: WG1464646-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	70		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107099
Report Date: 02/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 Batch: WG1464591-2								
Perfluorobutanoic Acid (PFBA)	108		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	113		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	108		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	107		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	107		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	110		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	104		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	122		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	109		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	109		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	111		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	110		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	117		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	103		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	107		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	116		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	100		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	109		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	114		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	109		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	108		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107099

Report Date: 02/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 Batch: WG1464591-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	108				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	128				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	126				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	116				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	107				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	121				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	108				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	58				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	111				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	115				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	83				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	90				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	54				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	83				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	94				22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107099

Report Date: 02/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab	Associated sample(s): 01-06		Batch: WG1464646-2 WG1464646-3					
1,4-Dioxane	102		109		40-140	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	70		57		15-110

Matrix Spike Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107099

Report Date: 02/17/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1464591-3 QC Sample: L2106667-06 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	8.05	37.6	49.1	109		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	14.0	37.6	53.1	104		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	4.09	33.4	40.4	109		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35.2	41.3	117		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	5.75	37.6	47.4	111		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	0.445J	35.3	38.9	109		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	4.49	37.6	44.9	107		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	4.20	34.4	43.2	113		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	20.3	37.6	61.0	108		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	35.8	42.7	119		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	35.8	42.4	118		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	2.91	37.6	43.6	108		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	42.9	34.9	80.9	109		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	0.746J	37.6	40.3	105		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	36.1	39.0F	108		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	36.2	38.6	107		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37.6	36.5	97		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	37.6	39.4	105		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.2	34.9	96		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	37.6	37.8	101		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	37.6	37.3	99		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	37.6	39.8	106		-	-		67-153	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107099
Report Date: 02/17/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1464591-3 QC Sample: L2106667-06 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	37.6	39.8	106		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	37.6	41.2	110		-	-		59-182	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	101				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**241**	Q			12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	143				14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	80				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	67				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	62				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	91				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	104				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	21				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	114				70-131

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107099
Report Date: 02/17/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1464591-4 QC Sample: L2106723-01 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	48.6	50.5	ng/l	4		30
Perfluoropentanoic Acid (PFPeA)	6.89	7.07	ng/l	3		30
Perfluorobutanesulfonic Acid (PFBS)	424	446	ng/l	5		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	4.31	4.52	ng/l	5		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	3.86	3.98	ng/l	3		30
Perfluorohexanesulfonic Acid (PFHxS)	1.80J	1.99F	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	19.6	20.5	ng/l	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	20.2	20.9	ng/l	3		30
Perfluorooctanesulfonic Acid (PFOS)	8.51	9.05F	ng/l	6		30
Perfluorodecanoic Acid (PFDA)	0.641J	0.762J	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107099
Report Date: 02/17/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1464591-4 QC Sample: L2106723-01 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
PFOA/PFOS, Total	28.1	29.6	ng/l	5		30
PFAS, Total (5)	54.0J	56.4	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	84		84		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		103		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	104		99		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	122		106		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		85		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		86		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	115		108		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		85		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	62		57		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		84		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		101		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		86		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	63		60		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	54		50		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	87		84		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13		25		10-112

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107099
Report Date: 02/17/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1464591-4 QC Sample: L2106723-01 Client ID: DUP Sample

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	53		50		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	82		80		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73		73		22-136

METALS

Project Name: 33 CENTRE AVE.
Lab Number: L2107099
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-01
Client ID: MW-213
Sample Location: NEW ROCHELLE, NY
Date Collected: 02/12/21 11:55
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.411		mg/l	0.0100	0.00327	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Antimony, Total	0.00052	J	mg/l	0.00400	0.00042	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00045	J	mg/l	0.00050	0.00016	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Barium, Total	0.1083		mg/l	0.00050	0.00017	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Calcium, Total	195.		mg/l	0.100	0.0394	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Chromium, Total	0.00130		mg/l	0.00100	0.00017	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Cobalt, Total	0.00228		mg/l	0.00050	0.00016	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Copper, Total	0.00102		mg/l	0.00100	0.00038	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Iron, Total	39.3		mg/l	0.0500	0.0191	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Magnesium, Total	55.6		mg/l	0.0700	0.0242	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Manganese, Total	3.436		mg/l	0.00100	0.00044	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/15/21 11:24	02/17/21 11:01	EPA 7470A	1,7470A	EW
Nickel, Total	0.02043		mg/l	0.00200	0.00055	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Potassium, Total	18.7		mg/l	0.100	0.0309	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Sodium, Total	235.		mg/l	0.100	0.0293	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Thallium, Total	0.00039	J	mg/l	0.00100	0.00014	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	02/15/21 10:23	02/15/21 15:12	EPA 3005A	1,6020B	CD

Project Name: 33 CENTRE AVE.
Lab Number: L2107099
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-02
Client ID: MW-214
Sample Location: NEW ROCHELLE, NY
Date Collected: 02/12/21 14:45
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0336		mg/l	0.0100	0.00327	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00026	J	mg/l	0.00050	0.00016	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Barium, Total	0.07451		mg/l	0.00050	0.00017	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Cadmium, Total	0.00008	J	mg/l	0.00020	0.00005	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Calcium, Total	104.		mg/l	0.100	0.0394	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Chromium, Total	ND		mg/l	0.00100	0.00017	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Cobalt, Total	0.00131		mg/l	0.00050	0.00016	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Copper, Total	0.00074	J	mg/l	0.00100	0.00038	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Iron, Total	0.117		mg/l	0.0500	0.0191	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Magnesium, Total	51.7		mg/l	0.0700	0.0242	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Manganese, Total	1.220		mg/l	0.00100	0.00044	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/15/21 11:24	02/17/21 11:18	EPA 7470A	1,7470A	EW
Nickel, Total	0.01896		mg/l	0.00200	0.00055	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Potassium, Total	13.9		mg/l	0.100	0.0309	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Sodium, Total	63.1		mg/l	0.100	0.0293	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Thallium, Total	0.00022	J	mg/l	0.00100	0.00014	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD
Zinc, Total	0.00712	J	mg/l	0.01000	0.00341	1	02/15/21 10:23	02/15/21 15:56	EPA 3005A	1,6020B	CD

Project Name: 33 CENTRE AVE.
Lab Number: L2107099
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-03
Client ID: MW-207DD
Sample Location: NEW ROCHELLE, NY
Date Collected: 02/12/21 09:45
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.574		mg/l	0.0100	0.00327	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00050		mg/l	0.00050	0.00016	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Barium, Total	0.09389		mg/l	0.00050	0.00017	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Calcium, Total	112.		mg/l	0.100	0.0394	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Chromium, Total	0.00257		mg/l	0.00100	0.00017	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Cobalt, Total	0.00200		mg/l	0.00050	0.00016	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Copper, Total	0.00623		mg/l	0.00100	0.00038	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Iron, Total	20.0		mg/l	0.0500	0.0191	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Magnesium, Total	40.6		mg/l	0.0700	0.0242	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Manganese, Total	2.230		mg/l	0.00100	0.00044	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/15/21 11:24	02/17/21 11:21	EPA 7470A	1,7470A	EW
Nickel, Total	0.07952		mg/l	0.00200	0.00055	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Potassium, Total	12.9		mg/l	0.100	0.0309	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Silver, Total	0.00191		mg/l	0.00040	0.00016	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Sodium, Total	121.		mg/l	0.100	0.0293	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Thallium, Total	0.00017	J	mg/l	0.00100	0.00014	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	02/15/21 10:23	02/15/21 16:01	EPA 3005A	1,6020B	CD

Project Name: 33 CENTRE AVE.
Lab Number: L2107099
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-04
Client ID: MW-211DD
Sample Location: NEW ROCHELLE, NY
Date Collected: 02/12/21 13:45
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.511		mg/l	0.0100	0.00327	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00066		mg/l	0.00050	0.00016	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Barium, Total	0.1851		mg/l	0.00050	0.00017	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Beryllium, Total	0.00011	J	mg/l	0.00050	0.00010	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Cadmium, Total	0.00010	J	mg/l	0.00020	0.00005	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Calcium, Total	273.		mg/l	0.100	0.0394	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Chromium, Total	0.1430		mg/l	0.00100	0.00017	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Cobalt, Total	0.00058		mg/l	0.00050	0.00016	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Copper, Total	0.00251		mg/l	0.00100	0.00038	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Iron, Total	0.610		mg/l	0.0500	0.0191	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Lead, Total	0.00172		mg/l	0.00100	0.00034	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Magnesium, Total	8.80		mg/l	0.0700	0.0242	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Manganese, Total	0.1333		mg/l	0.00100	0.00044	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/15/21 11:24	02/17/21 11:24	EPA 7470A	1,7470A	EW
Nickel, Total	0.00157	J	mg/l	0.00200	0.00055	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Potassium, Total	68.5		mg/l	0.100	0.0309	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Sodium, Total	144.		mg/l	0.100	0.0293	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Thallium, Total	0.00015	J	mg/l	0.00100	0.00014	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	02/15/21 10:23	02/15/21 16:06	EPA 3005A	1,6020B	CD

Project Name: 33 CENTRE AVE.
Lab Number: L2107099
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-05
Client ID: MW-210DD
Sample Location: NEW ROCHELLE, NY
Date Collected: 02/12/21 10:30
Date Received: 02/12/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.495		mg/l	0.0100	0.00327	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00064		mg/l	0.00050	0.00016	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Barium, Total	0.1284		mg/l	0.00050	0.00017	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Calcium, Total	141.		mg/l	0.100	0.0394	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Chromium, Total	0.00119		mg/l	0.00100	0.00017	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Cobalt, Total	0.00188		mg/l	0.00050	0.00016	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Copper, Total	0.00101		mg/l	0.00100	0.00038	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Iron, Total	27.5		mg/l	0.0500	0.0191	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Lead, Total	0.00040	J	mg/l	0.00100	0.00034	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Magnesium, Total	46.2		mg/l	0.0700	0.0242	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Manganese, Total	2.238		mg/l	0.00100	0.00044	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/15/21 11:24	02/17/21 11:27	EPA 7470A	1,7470A	EW
Nickel, Total	0.02284		mg/l	0.00200	0.00055	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Potassium, Total	15.8		mg/l	0.100	0.0309	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Silver, Total	0.00018	J	mg/l	0.00040	0.00016	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Sodium, Total	92.3		mg/l	0.100	0.0293	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD
Zinc, Total	0.00835	J	mg/l	0.01000	0.00341	1	02/15/21 10:23	02/15/21 16:12	EPA 3005A	1,6020B	CD

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107099-06 Date Collected: 02/12/21 12:00

Client ID: FB_02122021 Date Received: 02/12/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Barium, Total	ND		mg/l	0.00050	0.00017	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Calcium, Total	0.0426	J	mg/l	0.100	0.0394	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Chromium, Total	ND		mg/l	0.00100	0.00017	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Copper, Total	ND		mg/l	0.00100	0.00038	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Iron, Total	ND		mg/l	0.0500	0.0191	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Manganese, Total	ND		mg/l	0.00100	0.00044	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/15/21 11:24	02/17/21 11:31	EPA 7470A	1,7470A	EW
Nickel, Total	ND		mg/l	0.00200	0.00055	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Potassium, Total	ND		mg/l	0.100	0.0309	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Sodium, Total	0.228		mg/l	0.100	0.0293	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Thallium, Total	0.00024	J	mg/l	0.00100	0.00014	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	02/15/21 10:23	02/15/21 15:51	EPA 3005A	1,6020B	CD

Project Name: 33 CENTRE AVE. **Lab Number:** L2107099

Project Number: 10567 **Report Date:** 02/17/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1464729-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Barium, Total	ND		mg/l	0.00050	0.00017	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Calcium, Total	ND		mg/l	0.100	0.0394	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Chromium, Total	ND		mg/l	0.00100	0.00017	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Copper, Total	ND		mg/l	0.00100	0.00038	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Iron, Total	ND		mg/l	0.0500	0.0191	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Manganese, Total	ND		mg/l	0.00100	0.00044	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Nickel, Total	ND		mg/l	0.00200	0.00055	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Potassium, Total	ND		mg/l	0.100	0.0309	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Sodium, Total	ND		mg/l	0.100	0.0293	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Thallium, Total	0.00030	J	mg/l	0.00100	0.00014	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	02/15/21 10:23	02/15/21 14:47	1,6020B	CD

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1464731-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/15/21 11:24	02/17/21 10:54	1,7470A	EW

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107099
Report Date: 02/17/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107099

Report Date: 02/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1464729-2								
Aluminum, Total	106		-		80-120	-		
Antimony, Total	88		-		80-120	-		
Arsenic, Total	108		-		80-120	-		
Barium, Total	103		-		80-120	-		
Beryllium, Total	101		-		80-120	-		
Cadmium, Total	107		-		80-120	-		
Calcium, Total	111		-		80-120	-		
Chromium, Total	98		-		80-120	-		
Cobalt, Total	100		-		80-120	-		
Copper, Total	102		-		80-120	-		
Iron, Total	100		-		80-120	-		
Lead, Total	105		-		80-120	-		
Magnesium, Total	109		-		80-120	-		
Manganese, Total	101		-		80-120	-		
Nickel, Total	98		-		80-120	-		
Potassium, Total	110		-		80-120	-		
Selenium, Total	110		-		80-120	-		
Silver, Total	102		-		80-120	-		
Sodium, Total	111		-		80-120	-		
Thallium, Total	106		-		80-120	-		
Vanadium, Total	99		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107099

Report Date: 02/17/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1464729-2					
Zinc, Total	109	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1464731-2					
Mercury, Total	97	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107099
Report Date: 02/17/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1464729-3 QC Sample: L2107099-01 Client ID: MW-213												
Aluminum, Total	0.411	2	2.45	102		-	-		75-125	-		20
Antimony, Total	0.00052J	0.5	0.5092	102		-	-		75-125	-		20
Arsenic, Total	0.00045J	0.12	0.1307	109		-	-		75-125	-		20
Barium, Total	0.1083	2	2.040	96		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.05161	103		-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.05197	102		-	-		75-125	-		20
Calcium, Total	195.	10	201	**60**	Q	-	-		75-125	-		20
Chromium, Total	0.00130	0.2	0.1852	92		-	-		75-125	-		20
Cobalt, Total	0.00228	0.5	0.4712	94		-	-		75-125	-		20
Copper, Total	0.00102	0.25	0.2388	95		-	-		75-125	-		20
Iron, Total	39.3	1	38.3	**0**	Q	-	-		75-125	-		20
Lead, Total	ND	0.51	0.5207	102		-	-		75-125	-		20
Magnesium, Total	55.6	10	79.2	**236**	Q	-	-		75-125	-		20
Manganese, Total	3.436	0.5	4.046	122		-	-		75-125	-		20
Nickel, Total	0.02043	0.5	0.4696	90		-	-		75-125	-		20
Potassium, Total	18.7	10	27.8	91		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.130	108		-	-		75-125	-		20
Silver, Total	ND	0.05	0.04880	98		-	-		75-125	-		20
Sodium, Total	235.	10	226	**0**	Q	-	-		75-125	-		20
Thallium, Total	0.00039J	0.12	0.1228	102		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.4731	95		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107099
Report Date: 02/17/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1464729-3 QC Sample: L2107099-01 Client ID: MW-213										
Zinc, Total	ND	0.5	0.5040	101		-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1464731-3 QC Sample: L2107099-02 Client ID: MW-214										
Mercury, Total	ND	0.005	0.00698	**140**	Q	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107099

Report Date: 02/17/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1464729-4 QC Sample: L2107099-01 Client ID: MW-213						
Aluminum, Total	0.411	0.352	mg/l	15		20
Antimony, Total	0.00052J	0.00084J	mg/l	NC		20
Arsenic, Total	0.00045J	0.00051	mg/l	NC		20
Barium, Total	0.1083	0.1062	mg/l	2		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Calcium, Total	195.	195	mg/l	0		20
Chromium, Total	0.00130	0.00111	mg/l	16		20
Cobalt, Total	0.00228	0.00224	mg/l	2		20
Copper, Total	0.00102	0.00092J	mg/l	NC		20
Iron, Total	39.3	39.0	mg/l	1		20
Lead, Total	ND	0.00035J	mg/l	NC		20
Magnesium, Total	55.6	55.4	mg/l	0		20
Manganese, Total	3.436	3.335	mg/l	3		20
Nickel, Total	0.02043	0.01993	mg/l	2		20
Potassium, Total	18.7	18.6	mg/l	1		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	235.	234	mg/l	0		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107099

Report Date: 02/17/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1464729-4 QC Sample: L2107099-01 Client ID: MW-213					
Thallium, Total	0.00039J	0.00094J	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1464731-4 QC Sample: L2107099-02 Client ID: MW-214					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107099
Report Date: 02/17/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107099-01A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107099-01B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107099-01C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107099-01D	Plastic 250ml unpreserved	B	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107099-01E	Plastic 250ml unpreserved	B	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107099-01F	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2107099-01G	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2107099-01H	Plastic 250ml HNO3 preserved	A	<2	<2	4.0	Y	Absent		SE-6020T(180),FE-6020T(180),TL-6020T(180),BA-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),K-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),MG-6020T(180),AL-6020T(180),HG-T(28),AG-6020T(180),CD-6020T(180),CO-6020T(180)
L2107099-02A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107099-02B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107099-02C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107099-02D	Plastic 250ml unpreserved	B	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107099-02E	Plastic 250ml unpreserved	B	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107099-02F	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2107099-02G	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107099
Report Date: 02/17/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107099-02H	Plastic 250ml HNO3 preserved	A	<2	<2	4.0	Y	Absent		TL-6020T(180),BA-6020T(180),FE-6020T(180),SE-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),CD-6020T(180),AG-6020T(180),AL-6020T(180),MG-6020T(180),HG-T(28),CO-6020T(180)
L2107099-03A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107099-03B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107099-03C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107099-03D	Plastic 250ml unpreserved	B	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107099-03E	Plastic 250ml unpreserved	B	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107099-03F	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2107099-03G	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2107099-03H	Plastic 250ml HNO3 preserved	A	<2	<2	4.0	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),AL-6020T(180),MG-6020T(180),CD-6020T(180),HG-T(28),AG-6020T(180),CO-6020T(180)
L2107099-04A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107099-04B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107099-04C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107099-04D	Plastic 250ml unpreserved	B	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107099-04E	Plastic 250ml unpreserved	B	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107099-04F	Amber 250ml unpreserved	A	12	12	4.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2107099-04G	Amber 250ml unpreserved	A	12	12	4.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107099
Report Date: 02/17/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107099-04H	Plastic 250ml HNO3 preserved	A	<2	<2	4.0	Y	Absent		SE-6020T(180),TL-6020T(180),BA-6020T(180),FE-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),K-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),MG-6020T(180),CD-6020T(180),CO-6020T(180)
L2107099-05A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107099-05B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107099-05C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107099-05D	Plastic 250ml unpreserved	B	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107099-05E	Plastic 250ml unpreserved	B	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107099-05F	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2107099-05G	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2107099-05H	Plastic 250ml HNO3 preserved	A	<2	<2	4.0	Y	Absent		FE-6020T(180),SE-6020T(180),BA-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),HG-T(28),MG-6020T(180),CD-6020T(180),AL-6020T(180),AG-6020T(180),CO-6020T(180)
L2107099-06A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107099-06B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107099-06C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107099-06D	Plastic 250ml unpreserved	B	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107099-06F	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2107099-06G	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2107099-06H	Plastic 250ml HNO3 preserved	A	<2	<2	4.0	Y	Absent		SE-6020T(180),BA-6020T(180),TL-6020T(180),FE-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),AL-6020T(180),HG-T(28),MG-6020T(180),AG-6020T(180),CD-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107099
Report Date: 02/17/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107099-07A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2107099-07B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107099
Report Date: 02/17/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107099
Project Number:	10567	**Report Date:**	02/17/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107099
Project Number:	10567	**Report Date:**	02/17/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107099
Project Number:	10567	**Report Date:**	02/17/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107099
Project Number:	10567	**Report Date:**	02/17/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 02/12/21

ALPHA Job #: L2107099

Client Information
Client: SESI
Address: 12A Maple Ave
Pine Brook, NJ
Phone: 973-808-9050
Fax:
Email: jam@sesiorg

Project Information
Project Name: 33 Centre Ave
Project Location: New Rochelle, NY
Project #: 10567
(Use Project name as Project #) ☐
Project Manager: Jesse Mausner
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☑ # of Days: 3 Day

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☑ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☑ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCLVOC	1,4-Dioxane	TAL Metals	NYPFAS 537	Total Bottle	Sample Specific Comments
07099-01	MW-213	2/10/21	~~0945~~ 1155	GW	JS	✓	✓	✓	✓	27	
-02	MW-214		1445								
-03	MW-207DD		0945								
-04	MW-211DD		1345		JL						
-05	MW-210DD		1030								
-06	FB-02172021		1200	FB	—						
-07	TB-02172021		—	TB	—	✓					

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V	A	P	P
Preservative	B	A	C	A

Relinquished By:	Date/Time	Received By:	Date/Time
Kelly Lambers	2/12/21 1700	Rag Vogel Cal	2/12/21 1730
Rag Vogel Cal	2/12/21 1930	[illegible] AAL	2/12/21 20:30
[illegible] AAL	2/12/21 23:50	[illegible]	2/12/21 23:50

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONSTITUTIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2107536
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	33 CENTRE AVE.
Project Number:	10567
Report Date:	02/19/21

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

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

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

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107536
Report Date: 02/19/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2107536-01	MW-212DD	WATER	NEW ROCHELLE, NY	02/16/21 14:00	02/16/21
L2107536-02	TRIP BLANK	WATER	NEW ROCHELLE, NY	02/16/21 00:00	02/16/21
L2107536-03	FIELD BLANK	WATER	NEW ROCHELLE, NY	02/16/21 14:30	02/16/21

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107536
Project Number:	10567	**Report Date:**	02/19/21

Case Narrative

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

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

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

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

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

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

Project Name: 33 CENTRE AVE. **Lab Number:** L2107536
Project Number: 10567 **Report Date:** 02/19/21

Case Narrative (continued)

Report Submission

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

Perfluorinated Alkyl Acids by Isotope Dilution

L2107536-01, -03, and WG1465593-2: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

Total Metals

L2107536-03: The Field Blank has a result for sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

The WG1465532-3 MS recoveries for calcium (150%), iron (60%), and sodium (150%), performed on L2107536-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1465532-3 MS recovery, performed on L2107536-01, is outside the acceptance criteria for magnesium (225%). A post digestion spike was performed and was within acceptance criteria.

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

Authorized Signature: Jennifer L Clements

Title: Technical Director/Representative Date: 02/19/21

ORGANICS

VOLATILES

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107536
Report Date: 02/19/21

SAMPLE RESULTS

Lab ID: L2107536-02
Client ID: TRIP BLANK
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/16/21 00:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/17/21 10:22
Analyst: PD

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

Project Name: 33 CENTRE AVE. **Lab Number:** L2107536

Project Number: 10567 **Report Date:** 02/19/21

SAMPLE RESULTS

Lab ID: L2107536-02 Date Collected: 02/16/21 00:00

Client ID: TRIP BLANK Date Received: 02/16/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	0.87	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	0.87	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE. **Lab Number:** L2107536

Project Number: 10567 **Report Date:** 02/19/21

SAMPLE RESULTS

Lab ID: L2107536-02 Date Collected: 02/16/21 00:00

Client ID: TRIP BLANK Date Received: 02/16/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	107		70-130

Project Name: 33 CENTRE AVE. **Lab Number:** L2107536

Project Number: 10567 **Report Date:** 02/19/21

SAMPLE RESULTS

Lab ID: L2107536-03
Client ID: FIELD BLANK
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/16/21 14:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/17/21 09:59
Analyst: PD

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

Project Name: 33 CENTRE AVE. **Lab Number:** L2107536

Project Number: 10567 **Report Date:** 02/19/21

SAMPLE RESULTS

Lab ID: L2107536-03 Date Collected: 02/16/21 14:30

Client ID: FIELD BLANK Date Received: 02/16/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 33 CENTRE AVE. **Lab Number:** L2107536

Project Number: 10567 **Report Date:** 02/19/21

SAMPLE RESULTS

Lab ID: L2107536-03 Date Collected: 02/16/21 14:30

Client ID: FIELD BLANK Date Received: 02/16/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

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

Project Name: 33 CENTRE AVE. **Lab Number:** L2107536

Project Number: 10567 **Report Date:** 02/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/17/21 08:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1465619-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 33 CENTRE AVE. **Lab Number:** L2107536

Project Number: 10567 **Report Date:** 02/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/17/21 08:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1465619-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 33 CENTRE AVE. **Lab Number:** L2107536

Project Number: 10567 **Report Date:** 02/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/17/21 08:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1465619-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: 33 CENTRE AVE. **Lab Number:** L2107536

Project Number: 10567 **Report Date:** 02/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/17/21 08:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1465619-5					

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107536

Report Date: 02/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1465619-3 WG1465619-4								
Methylene chloride	92		93		70-130	1		20
1,1-Dichloroethane	91		92		70-130	1		20
Chloroform	96		97		70-130	1		20
Carbon tetrachloride	93		93		63-132	0		20
1,2-Dichloropropane	88		90		70-130	2		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	94		95		70-130	1		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	96		98		75-130	2		20
Trichlorofluoromethane	99		100		62-150	1		20
1,2-Dichloroethane	96		97		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	96		99		67-130	3		20
trans-1,3-Dichloropropene	97		100		70-130	3		20
cis-1,3-Dichloropropene	91		93		70-130	2		20
1,1-Dichloropropene	92		94		70-130	2		20
Bromoform	95		97		54-136	2		20
1,1,2,2-Tetrachloroethane	87		91		67-130	4		20
Benzene	92		94		70-130	2		20
Toluene	97		99		70-130	2		20
Ethylbenzene	95		95		70-130	0		20
Chloromethane	74		76		64-130	3		20
Bromomethane	78		91		39-139	15		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107536
Report Date: 02/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1465619-3 WG1465619-4								
Vinyl chloride	80		80		55-140	0		20
Chloroethane	84		86		55-138	2		20
1,1-Dichloroethene	89		91		61-145	2		20
trans-1,2-Dichloroethene	93		93		70-130	0		20
Trichloroethene	99		99		70-130	0		20
1,2-Dichlorobenzene	98		97		70-130	1		20
1,3-Dichlorobenzene	98		97		70-130	1		20
1,4-Dichlorobenzene	97		96		70-130	1		20
Methyl tert butyl ether	92		93		63-130	1		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	94		96		70-130	2		20
Dibromomethane	89		92		70-130	3		20
1,2,3-Trichloropropane	90		92		64-130	2		20
Acrylonitrile	78		78		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	81		82		36-147	1		20
Acetone	83		78		58-148	6		20
Carbon disulfide	86		88		51-130	2		20
2-Butanone	76		75		63-138	1		20
Vinyl acetate	79		80		70-130	1		20
4-Methyl-2-pentanone	77		83		59-130	8		20
2-Hexanone	73		74		57-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107536
Report Date: 02/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1465619-3 WG1465619-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	93		98		70-130	5		20
1,3-Dichloropropane	93		96		70-130	3		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	94		93		53-136	1		20
sec-Butylbenzene	94		94		70-130	0		20
tert-Butylbenzene	98		99		70-130	1		20
o-Chlorotoluene	96		95		70-130	1		20
p-Chlorotoluene	96		97		70-130	1		20
1,2-Dibromo-3-chloropropane	86		87		41-144	1		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	98		98		70-130	0		20
p-Isopropyltoluene	98		99		70-130	1		20
Naphthalene	84		91		70-130	8		20
n-Propylbenzene	95		95		69-130	0		20
1,2,3-Trichlorobenzene	99		100		70-130	1		20
1,2,4-Trichlorobenzene	98		99		70-130	1		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	98		99		70-130	1		20
1,4-Dioxane	82		96		56-162	16		20
p-Diethylbenzene	99		98		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107536
Report Date: 02/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1465619-3 WG1465619-4								
p-Ethyltoluene	98		99		70-130	1		20
1,2,4,5-Tetramethylbenzene	100		99		70-130	1		20
Ethyl ether	87		88		59-134	1		20
trans-1,4-Dichloro-2-butene	77		83		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		104		70-130
Toluene-d8	107		109		70-130
4-Bromofluorobenzene	106		105		70-130
Dibromofluoromethane	110		107		70-130

SEMIVOLATILES

Project Name: 33 CENTRE AVE.
Lab Number: L2107536
Project Number: 10567
Report Date: 02/19/21

SAMPLE RESULTS

Lab ID: L2107536-01
Client ID: MW-212DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/16/21 14:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/18/21 23:52
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 09:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	72700		ng/l	134	30.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	68		15-110

Project Name: 33 CENTRE AVE.
Lab Number: L2107536
Project Number: 10567
Report Date: 02/19/21

SAMPLE RESULTS

Lab ID: L2107536-01
Client ID: MW-212DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/16/21 14:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 07:46
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	14.6		ng/l	1.90	0.388	1
Perfluoropentanoic Acid (PFPeA)	16.9		ng/l	1.90	0.376	1
Perfluorobutanesulfonic Acid (PFBS)	146		ng/l	1.90	0.226	1
Perfluorohexanoic Acid (PFHxA)	13.9		ng/l	1.90	0.312	1
Perfluoroheptanoic Acid (PFHpA)	9.32		ng/l	1.90	0.214	1
Perfluorohexanesulfonic Acid (PFHxS)	8.07		ng/l	1.90	0.357	1
Perfluorooctanoic Acid (PFOA)	37.4		ng/l	1.90	0.224	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.97		ng/l	1.90	1.27	1
Perfluoroheptanesulfonic Acid (PFHpS)	4.17		ng/l	1.90	0.654	1
Perfluorononanoic Acid (PFNA)	2.46		ng/l	1.90	0.296	1
Perfluorooctanesulfonic Acid (PFOS)	369		ng/l	1.90	0.479	1
Perfluorodecanoic Acid (PFDA)	0.836	J	ng/l	1.90	0.289	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.90	1.15	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.90	0.616	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.90	0.247	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.90	0.932	1
Perfluorooctanesulfonamide (FOSA)	1.64	JF	ng/l	1.90	0.551	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.20	J	ng/l	1.90	0.764	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.90	0.354	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.90	0.311	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.90	0.236	1
PFOA/PFOS, Total	406		ng/l	1.90	0.224	1

Project Name: 33 CENTRE AVE. **Lab Number:** L2107536

Project Number: 10567 **Report Date:** 02/19/21

SAMPLE RESULTS

Lab ID: L2107536-01 Date Collected: 02/16/21 14:00

Client ID: MW-212DD Date Received: 02/16/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	133		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**228**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	119		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**211**	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	37		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	95		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		22-136

Project Name: 33 CENTRE AVE.
Lab Number: L2107536
Project Number: 10567
Report Date: 02/19/21

SAMPLE RESULTS

Lab ID: L2107536-03
Client ID: FIELD BLANK
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/16/21 14:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/18/21 22:01
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 09:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	156	35.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	65		15-110

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107536
Report Date: 02/19/21

SAMPLE RESULTS

Lab ID: L2107536-03
Client ID: FIELD BLANK
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/16/21 14:30
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 08:03
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.78	0.363	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.78	0.352	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.78	0.212	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.78	0.292	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.78	0.200	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.78	0.334	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.78	0.210	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.67	J	ng/l	1.78	1.18	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.78	0.612	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.78	0.278	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.78	0.448	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.78	0.270	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.78	1.08	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.78	0.576	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.78	0.231	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.78	0.872	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.78	0.516	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.78	0.715	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.78	0.331	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.78	0.291	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.78	0.221	1
PFOA/PFOS, Total	ND		ng/l	1.78	0.210	1

Project Name: 33 CENTRE AVE. **Lab Number:** L2107536

Project Number: 10567 **Report Date:** 02/19/21

SAMPLE RESULTS

Lab ID: L2107536-03 Date Collected: 02/16/21 14:30

Client ID: FIELD BLANK Date Received: 02/16/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	116		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**132**	Q	70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	116		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	111		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	128		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	89		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	94		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	81		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	69		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	78		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	99		22-136

Project Name: 33 CENTRE AVE. **Lab Number:** L2107536

Project Number: 10567 **Report Date:** 02/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 03:37
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 10:34

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01,03 Batch: WG1465593-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 33 CENTRE AVE. **Lab Number:** L2107536

Project Number: 10567 **Report Date:** 02/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 03:37
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 10:34

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01,03 Batch: WG1465593-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	109		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	129		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	113		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	110		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	127		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	120		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	91		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	59		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		22-136

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107536
Report Date: 02/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/18/21 16:40
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 09:30

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01,03 Batch: WG1465598-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	59		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107536
Report Date: 02/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03 Batch: WG1465593-2								
Perfluorobutanoic Acid (PFBA)	116		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	120		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	115		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	118		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	116		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	134		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	121		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	123		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	117		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	115		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	119		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	113		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	115		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	108		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	120		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	116		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	120		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	112		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	130		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	138		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	120		-		59-182	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107536
Report Date: 02/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03 Batch: WG1465593-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	109				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**137**	Q			70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	114				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	109				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	134				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	128				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	101				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	68				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	100				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	98				22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107536

Report Date: 02/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab	Associated sample(s): 01,03		Batch: WG1465598-2 WG1465598-3					
1,4-Dioxane	119		122		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	58		63		15-110

Matrix Spike Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107536

Report Date: 02/19/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1465593-3 QC Sample: L2107256-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	37.4	44.6	119		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	ND	37.4	46.1	123		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	33.2	39.2	118		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35	46.9	134		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	ND	37.4	45.7	122		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	35.2	48.0	136		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	37.4	44.8	120		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	34.2	44.7	131		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	ND	37.4	46.1	123		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	35.6	44.5	125		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	35.6	47.1	132		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	ND	37.4	44.4	119		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	34.8	42.6	123		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	37.4	42.7	114		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	36	52.0	145		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	36	42.4	118		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37.4	53.4	143		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	37.4	45.0	120		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.1	39.4	109		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	37.4	44.3F	118		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	37.4	50.5	135		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	37.4	50.3	134		-	-		67-153	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107536
Report Date: 02/19/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1465593-3 QC Sample: L2107256-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	37.4	53.6	143		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	37.4	46.4	124		-	-		59-182	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	83				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	100				12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	93				14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	63				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	93				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	78				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	108				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	40				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**134**	Q			70-131

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107536
Report Date: 02/19/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1465593-4 QC Sample: L2107256-02 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/l	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/l	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/l	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.15	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107536
Report Date: 02/19/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1465593-4 QC Sample: L2107256-02 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
PFOA/PFOS, Total	ND	ND	ng/l	NC		30
PFAS, Total (5)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	75		74		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	105		104		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**132**	Q	**138**	Q	70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	110		121		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		87		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		91		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		113		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		90		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	82		96		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		99		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		106		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		90		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	79		95		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	60		70		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		90		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28		29		10-112

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107536
Report Date: 02/19/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1465593-4 QC Sample: L2107256-02 Client ID: DUP Sample

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66		61		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		76		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73		80		22-136

METALS

Project Name: 33 CENTRE AVE. **Lab Number:** L2107536

Project Number: 10567 **Report Date:** 02/19/21

SAMPLE RESULTS

Lab ID: L2107536-01 Date Collected: 02/16/21 14:00

Client ID: MW-212DD Date Received: 02/16/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.225		mg/l	0.0100	0.00327	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Antimony, Total	0.00050	J	mg/l	0.00400	0.00042	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00070		mg/l	0.00050	0.00016	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Barium, Total	0.1120		mg/l	0.00050	0.00017	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00015	J	mg/l	0.00050	0.00010	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Calcium, Total	145.		mg/l	0.100	0.0394	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Chromium, Total	0.00427		mg/l	0.00100	0.00017	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00257		mg/l	0.00050	0.00016	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Copper, Total	0.00183		mg/l	0.00100	0.00038	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Iron, Total	16.6		mg/l	0.0500	0.0191	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Lead, Total	0.00081	J	mg/l	0.00100	0.00034	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Magnesium, Total	35.3		mg/l	0.0700	0.0242	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Manganese, Total	2.212		mg/l	0.00100	0.00044	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/17/21 08:40	02/17/21 19:10	EPA 7470A	1,7470A	EW
Nickel, Total	0.03496		mg/l	0.00200	0.00055	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Potassium, Total	21.2		mg/l	0.100	0.0309	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Sodium, Total	134.		mg/l	0.150	0.0293	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Thallium, Total	0.00026	J	mg/l	0.00100	0.00014	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM
Zinc, Total	0.00665	J	mg/l	0.01000	0.00341	1	02/17/21 07:33	02/17/21 12:07	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE. **Lab Number:** L2107536

Project Number: 10567 **Report Date:** 02/19/21

SAMPLE RESULTS

Lab ID: L2107536-03 Date Collected: 02/16/21 14:30

Client ID: FIELD BLANK Date Received: 02/16/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Calcium, Total	0.0587	J	mg/l	0.100	0.0394	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Copper, Total	0.00039	J	mg/l	0.00100	0.00038	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/17/21 08:40	02/17/21 19:00	EPA 7470A	1,7470A	EW
Nickel, Total	ND		mg/l	0.00200	0.00055	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Sodium, Total	0.263		mg/l	0.150	0.0293	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00100	0.00014	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	02/17/21 07:33	02/17/21 11:42	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE. **Lab Number:** L2107536

Project Number: 10567 **Report Date:** 02/19/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03 Batch: WG1465532-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Sodium, Total	0.0546	J	mg/l	0.150	0.0293	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Thallium, Total	0.00021	J	mg/l	0.00100	0.00014	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03 Batch: WG1465535-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/17/21 08:40	02/17/21 18:53	1,7470A	EW

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107536
Report Date: 02/19/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107536

Report Date: 02/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 Batch: WG1465532-2								
Aluminum, Total	101		-		80-120	-		
Antimony, Total	86		-		80-120	-		
Arsenic, Total	101		-		80-120	-		
Barium, Total	99		-		80-120	-		
Beryllium, Total	95		-		80-120	-		
Cadmium, Total	99		-		80-120	-		
Calcium, Total	104		-		80-120	-		
Chromium, Total	91		-		80-120	-		
Cobalt, Total	93		-		80-120	-		
Copper, Total	93		-		80-120	-		
Iron, Total	93		-		80-120	-		
Lead, Total	99		-		80-120	-		
Magnesium, Total	102		-		80-120	-		
Manganese, Total	93		-		80-120	-		
Nickel, Total	91		-		80-120	-		
Potassium, Total	104		-		80-120	-		
Selenium, Total	101		-		80-120	-		
Silver, Total	95		-		80-120	-		
Sodium, Total	104		-		80-120	-		
Thallium, Total	99		-		80-120	-		
Vanadium, Total	92		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107536

Report Date: 02/19/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 Batch: WG1465532-2					
Zinc, Total	100	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01,03 Batch: WG1465535-2					
Mercury, Total	99	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107536
Report Date: 02/19/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1465532-3 QC Sample: L2107536-01 Client ID: MW-212DD												
Aluminum, Total	0.225	2	2.31	104		-	-		75-125	-		20
Antimony, Total	0.00050J	0.5	0.5272	105		-	-		75-125	-		20
Arsenic, Total	0.00070	0.12	0.1262	104		-	-		75-125	-		20
Barium, Total	0.1120	2	2.217	105		-	-		75-125	-		20
Beryllium, Total	0.00015J	0.05	0.04980	100		-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.05240	103		-	-		75-125	-		20
Calcium, Total	145.	10	160	**150**	Q	-	-		75-125	-		20
Chromium, Total	0.00427	0.2	0.1922	94		-	-		75-125	-		20
Cobalt, Total	0.00257	0.5	0.4817	96		-	-		75-125	-		20
Copper, Total	0.00183	0.25	0.2419	96		-	-		75-125	-		20
Iron, Total	16.6	1	17.2	**60**	Q	-	-		75-125	-		20
Lead, Total	0.00081J	0.51	0.5307	104		-	-		75-125	-		20
Magnesium, Total	35.3	10	57.8	**225**	Q	-	-		75-125	-		20
Manganese, Total	2.212	0.5	2.789	115		-	-		75-125	-		20
Nickel, Total	0.03496	0.5	0.4936	92		-	-		75-125	-		20
Potassium, Total	21.2	10	31.5	103		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.127	106		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05058	101		-	-		75-125	-		20
Sodium, Total	134.	10	149	**150**	Q	-	-		75-125	-		20
Thallium, Total	0.00026J	0.12	0.1254	104		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.4797	96		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107536
Report Date: 02/19/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1465532-3 QC Sample: L2107536-01 Client ID: MW-212DD									
Zinc, Total	0.00665J	0.5	0.5097	102	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1465535-3 QC Sample: L2107536-03 Client ID: FIELD BLANK									
Mercury, Total	ND	0.005	0.00490	98	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107536

Report Date: 02/19/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1465532-4 QC Sample: L2107536-01 Client ID: MW-212DD						
Aluminum, Total	0.225	0.221	mg/l	2		20
Antimony, Total	0.00050J	0.00081J	mg/l	NC		20
Arsenic, Total	0.00070	0.00074	mg/l	5		20
Barium, Total	0.1120	0.1101	mg/l	2		20
Beryllium, Total	0.00015J	0.00016J	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Calcium, Total	145.	142	mg/l	2		20
Chromium, Total	0.00427	0.00366	mg/l	15		20
Cobalt, Total	0.00257	0.00262	mg/l	2		20
Copper, Total	0.00183	0.00166	mg/l	10		20
Iron, Total	16.6	16.2	mg/l	2		20
Lead, Total	0.00081J	0.00084J	mg/l	NC		20
Magnesium, Total	35.3	34.5	mg/l	2		20
Manganese, Total	2.212	2.160	mg/l	2		20
Nickel, Total	0.03496	0.03454	mg/l	1		20
Potassium, Total	21.2	20.7	mg/l	2		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	134.	131	mg/l	2		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107536

Report Date: 02/19/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1465532-4 QC Sample: L2107536-01 Client ID: MW-212DD					
Thallium, Total	0.00026J	0.00066J	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.00665J	0.00597J	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1465535-4 QC Sample: L2107536-03 Client ID: FIELD BLANK					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107536
Report Date: 02/19/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107536-01A	Amber 250ml unpreserved	B	7	7	2.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2107536-01B	Amber 250ml unpreserved	B	7	7	2.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2107536-01C	Plastic 250ml HNO3 preserved	B	<2	<2	2.2	Y	Absent		TL-6020T(180),BA-6020T(180),SE-6020T(180),FE-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),HG-T(28),CD-6020T(180),MG-6020T(180),AG-6020T(180),AL-6020T(180),CO-6020T(180)
L2107536-01D	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107536-01E	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107536-02A	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)
L2107536-02B	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)
L2107536-03A	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)
L2107536-03B	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)
L2107536-03C	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)
L2107536-03D	Amber 250ml unpreserved	B	7	7	2.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2107536-03E	Amber 250ml unpreserved	B	7	7	2.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2107536-03F	Plastic 250ml HNO3 preserved	B	<2	<2	2.2	Y	Absent		SE-6020T(180),TL-6020T(180),FE-6020T(180),BA-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),MG-6020T(180),AL-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L2107536-03G	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107536
Report Date: 02/19/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107536
Report Date: 02/19/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107536
Project Number:	10567	**Report Date:**	02/19/21

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107536
Project Number:	10567	**Report Date:**	02/19/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107536
Project Number:	10567	**Report Date:**	02/19/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107536
Project Number:	10567	**Report Date:**	02/19/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 2/16/21

ALPHA Job #: L2107536

Client Information
Client: SESI
Address: 170 Maple Ave, Pine Brook, NJ
Phone: 973-808-9050
Fax:
Email: jam@sesi.org

Project Information
Project Name: 33 Centre Ave
Project Location: New Rochelle, NY
Project #: 10567
(Use Project name as Project #): ☐
Project Manager: Jesse Mausner
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date: 2/19/21
Rush (only if pre approved) ☑ # of Days: 3 Day

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☑ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☑ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL VOC	1,4-Dioxane	TAL Metals	NYPFAAs 537	Sample Specific Comments	Total Bottle
07536-01	MW-712DD	2/16/21	14:00	GW	JL		✓	✓	✓		5
-02	Trip Blank	—	—	TB	—	✓					2
-03	Field Blank	2/16/21	14:30	FB	JL	✓	✓	✓	✓		8

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V	A	P	P				
Preservative	B	A	C	A				

Relinquished By:	Date/Time	Received By:	Date/Time
	2/16/21 1630		2/16/21 1800
	2/16/21 1953	AAL	2/16/21 20:00
AAL	2/16/21 23:40		2/16/21 2340

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2107537
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	33 CENTRE AVE.
Project Number:	10567
Report Date:	02/19/21

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

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

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

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107537
Report Date: 02/19/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2107537-01	MW-211D	WATER	NEW ROCHELLE, NY	02/16/21 11:00	02/16/21

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107537
Project Number:	10567	**Report Date:**	02/19/21

Case Narrative

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

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

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

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

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

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

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107537
Project Number:	10567	**Report Date:**	02/19/21

Case Narrative (continued)

Report Submission

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

Perfluorinated Alkyl Acids by Isotope Dilution

L2107537-01: The sample was re-analyzed on dilution in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2107537-01 and WG1465593-2: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

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

Authorized Signature: Jennifer L Clements

Title: Technical Director/Representative Date: 02/19/21

ORGANICS

VOLATILES

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107537
Report Date: 02/19/21

SAMPLE RESULTS

Lab ID: L2107537-01 D
Client ID: MW-211D
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/16/21 11:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/17/21 10:45
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	59		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	5.3	J	ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	40	J	ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
1,3-Dichloropropene, Total	ND		ug/l	10	2.9	20
1,1-Dichloropropene	ND		ug/l	50	14.	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	ND		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	330		ug/l	10	3.4	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20

Project Name: 33 CENTRE AVE. **Lab Number:** L2107537

Project Number: 10567 **Report Date:** 02/19/21

SAMPLE RESULTS

Lab ID: L2107537-01 D
Client ID: MW-211D
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/16/21 11:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	2600		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
Xylenes, Total	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	ND		ug/l	50	14.	20
1,2-Dichloroethene, Total	ND		ug/l	50	14.	20
Dibromomethane	ND		ug/l	100	20.	20
1,2,3-Trichloropropane	ND		ug/l	50	14.	20
Acrylonitrile	ND		ug/l	100	30.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
Vinyl acetate	ND		ug/l	100	20.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
2,2-Dichloropropane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,3-Dichloropropane	ND		ug/l	50	14.	20
1,1,1,2-Tetrachloroethane	ND		ug/l	50	14.	20
Bromobenzene	ND		ug/l	50	14.	20
n-Butylbenzene	ND		ug/l	50	14.	20
sec-Butylbenzene	ND		ug/l	50	14.	20
tert-Butylbenzene	ND		ug/l	50	14.	20
o-Chlorotoluene	ND		ug/l	50	14.	20
p-Chlorotoluene	ND		ug/l	50	14.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Hexachlorobutadiene	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
p-Isopropyltoluene	ND		ug/l	50	14.	20
Naphthalene	ND		ug/l	50	14.	20

Project Name: 33 CENTRE AVE. **Lab Number:** L2107537

Project Number: 10567 **Report Date:** 02/19/21

SAMPLE RESULTS

Lab ID: L2107537-01 D
Client ID: MW-211D
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/16/21 11:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
1,3,5-Trimethylbenzene	ND		ug/l	50	14.	20
1,2,4-Trimethylbenzene	ND		ug/l	50	14.	20
1,4-Dioxane	ND		ug/l	5000	1200	20
p-Diethylbenzene	ND		ug/l	40	14.	20
p-Ethyltoluene	ND		ug/l	40	14.	20
1,2,4,5-Tetramethylbenzene	ND		ug/l	40	11.	20
Ethyl ether	ND		ug/l	50	14.	20
trans-1,4-Dichloro-2-butene	ND		ug/l	50	14.	20
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	106		70-130

Project Name: 33 CENTRE AVE. **Lab Number:** L2107537

Project Number: 10567 **Report Date:** 02/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/17/21 08:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1465619-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 33 CENTRE AVE. **Lab Number:** L2107537

Project Number: 10567 **Report Date:** 02/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/17/21 08:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1465619-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 33 CENTRE AVE. **Lab Number:** L2107537

Project Number: 10567 **Report Date:** 02/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/17/21 08:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1465619-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: 33 CENTRE AVE. **Lab Number:** L2107537

Project Number: 10567 **Report Date:** 02/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/17/21 08:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1465619-5					

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

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107537
Report Date: 02/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1465619-3 WG1465619-4								
Methylene chloride	92		93		70-130	1		20
1,1-Dichloroethane	91		92		70-130	1		20
Chloroform	96		97		70-130	1		20
Carbon tetrachloride	93		93		63-132	0		20
1,2-Dichloropropane	88		90		70-130	2		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	94		95		70-130	1		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	96		98		75-130	2		20
Trichlorofluoromethane	99		100		62-150	1		20
1,2-Dichloroethane	96		97		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	96		99		67-130	3		20
trans-1,3-Dichloropropene	97		100		70-130	3		20
cis-1,3-Dichloropropene	91		93		70-130	2		20
1,1-Dichloropropene	92		94		70-130	2		20
Bromoform	95		97		54-136	2		20
1,1,2,2-Tetrachloroethane	87		91		67-130	4		20
Benzene	92		94		70-130	2		20
Toluene	97		99		70-130	2		20
Ethylbenzene	95		95		70-130	0		20
Chloromethane	74		76		64-130	3		20
Bromomethane	78		91		39-139	15		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107537

Report Date: 02/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1465619-3 WG1465619-4								
Vinyl chloride	80		80		55-140	0		20
Chloroethane	84		86		55-138	2		20
1,1-Dichloroethene	89		91		61-145	2		20
trans-1,2-Dichloroethene	93		93		70-130	0		20
Trichloroethene	99		99		70-130	0		20
1,2-Dichlorobenzene	98		97		70-130	1		20
1,3-Dichlorobenzene	98		97		70-130	1		20
1,4-Dichlorobenzene	97		96		70-130	1		20
Methyl tert butyl ether	92		93		63-130	1		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	94		96		70-130	2		20
Dibromomethane	89		92		70-130	3		20
1,2,3-Trichloropropane	90		92		64-130	2		20
Acrylonitrile	78		78		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	81		82		36-147	1		20
Acetone	83		78		58-148	6		20
Carbon disulfide	86		88		51-130	2		20
2-Butanone	76		75		63-138	1		20
Vinyl acetate	79		80		70-130	1		20
4-Methyl-2-pentanone	77		83		59-130	8		20
2-Hexanone	73		74		57-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107537

Report Date: 02/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1465619-3 WG1465619-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	93		98		70-130	5		20
1,3-Dichloropropane	93		96		70-130	3		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	94		93		53-136	1		20
sec-Butylbenzene	94		94		70-130	0		20
tert-Butylbenzene	98		99		70-130	1		20
o-Chlorotoluene	96		95		70-130	1		20
p-Chlorotoluene	96		97		70-130	1		20
1,2-Dibromo-3-chloropropane	86		87		41-144	1		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	98		98		70-130	0		20
p-Isopropyltoluene	98		99		70-130	1		20
Naphthalene	84		91		70-130	8		20
n-Propylbenzene	95		95		69-130	0		20
1,2,3-Trichlorobenzene	99		100		70-130	1		20
1,2,4-Trichlorobenzene	98		99		70-130	1		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	98		99		70-130	1		20
1,4-Dioxane	82		96		56-162	16		20
p-Diethylbenzene	99		98		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107537

Report Date: 02/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1465619-3 WG1465619-4								
p-Ethyltoluene	98		99		70-130	1		20
1,2,4,5-Tetramethylbenzene	100		99		70-130	1		20
Ethyl ether	87		88		59-134	1		20
trans-1,4-Dichloro-2-butene	77		83		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		104		70-130
Toluene-d8	107		109		70-130
4-Bromofluorobenzene	106		105		70-130
Dibromofluoromethane	110		107		70-130

SEMIVOLATILES

Project Name: 33 CENTRE AVE.
Lab Number: L2107537
Project Number: 10567
Report Date: 02/19/21

SAMPLE RESULTS

Lab ID: L2107537-01
Client ID: MW-211D
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/16/21 11:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 08:19
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	8.17		ng/l	1.93	0.394	1
Perfluoropentanoic Acid (PFPeA)	12.0		ng/l	1.93	0.382	1
Perfluorobutanesulfonic Acid (PFBS)	93.4		ng/l	1.93	0.230	1
Perfluorohexanoic Acid (PFHxA)	10.8		ng/l	1.93	0.317	1
Perfluoroheptanoic Acid (PFHpA)	10.6		ng/l	1.93	0.217	1
Perfluorohexanesulfonic Acid (PFHxS)	12.2		ng/l	1.93	0.363	1
Perfluorooctanoic Acid (PFOA)	63.8		ng/l	1.93	0.228	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	7.38		ng/l	1.93	1.28	1
Perfluoroheptanesulfonic Acid (PFHpS)	14.5		ng/l	1.93	0.664	1
Perfluorononanoic Acid (PFNA)	2.93		ng/l	1.93	0.301	1
Perfluorooctanesulfonic Acid (PFOS)	526	E	ng/l	1.93	0.486	1
Perfluorodecanoic Acid (PFDA)	1.02	J	ng/l	1.93	0.293	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.93	1.17	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.93	0.625	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.93	0.251	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.93	0.946	1
Perfluorooctanesulfonamide (FOSA)	0.676	JF	ng/l	1.93	0.560	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.93	0.776	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.93	0.359	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.93	0.316	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.93	0.239	1
PFOA/PFOS, Total	587		ng/l	1.93	0.228	1

Project Name: 33 CENTRE AVE. **Lab Number:** L2107537

Project Number: 10567 **Report Date:** 02/19/21

SAMPLE RESULTS

Lab ID: L2107537-01 Date Collected: 02/16/21 11:00

Client ID: MW-211D Date Received: 02/16/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	76		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	101		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**153**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	113		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**164**	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	78		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	98		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	24		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	81		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	76		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		22-136

Project Name: 33 CENTRE AVE.
Lab Number: L2107537
Project Number: 10567
Report Date: 02/19/21

SAMPLE RESULTS

Lab ID: L2107537-01 D
Client ID: MW-211D
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/16/21 11:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/19/21 16:54
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 09:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	326000		ng/l	300	67.8	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	58		15-110

Project Name: 33 CENTRE AVE.
Lab Number: L2107537
Project Number: 10567
Report Date: 02/19/21

SAMPLE RESULTS

Lab ID: L2107537-01 D
Client ID: MW-211D
Sample Location: NEW ROCHELLE, NY

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 18:27
Analyst: RS

Date Collected: 02/16/21 11:00
Date Received: 02/16/21
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonic Acid (PFOS)	523		ng/l	9.65	2.43	5

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		69-131

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107537
Report Date: 02/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 03:37
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 10:34

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1465593-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 33 CENTRE AVE. **Lab Number:** L2107537

Project Number: 10567 **Report Date:** 02/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/21 03:37
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 02/17/21 10:34

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1465593-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	109		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	129		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	113		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	110		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	127		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	120		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	91		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	59		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		22-136

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107537
Report Date: 02/19/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/18/21 16:40
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 02/17/21 09:30

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01 Batch: WG1465598-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	59		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107537
Report Date: 02/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1465593-2								
Perfluorobutanoic Acid (PFBA)	116		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	120		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	115		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	118		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	116		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	134		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	121		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	123		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	117		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	115		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	119		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	113		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	115		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	108		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	120		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	116		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	120		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	112		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	130		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	138		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	120		-		59-182	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107537
Report Date: 02/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1465593-2

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	109				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**137**	Q			70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	114				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	109				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	134				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	128				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	101				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	68				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	100				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	98				22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107537

Report Date: 02/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01 Batch: WG1465598-2 WG1465598-3								
1,4-Dioxane	119		122		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	58		63		15-110

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107537
Report Date: 02/19/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1465593-3 QC Sample: L2107256-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	37.4	44.6	119		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	ND	37.4	46.1	123		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	33.2	39.2	118		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35	46.9	134		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	ND	37.4	45.7	122		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	35.2	48.0	136		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	37.4	44.8	120		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	34.2	44.7	131		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	ND	37.4	46.1	123		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	35.6	44.5	125		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	35.6	47.1	132		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	ND	37.4	44.4	119		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	34.8	42.6	123		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	37.4	42.7	114		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	36	52.0	145		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	36	42.4	118		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37.4	53.4	143		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	37.4	45.0	120		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.1	39.4	109		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	37.4	44.3F	118		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	37.4	50.5	135		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	37.4	50.3	134		-	-		67-153	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107537
Report Date: 02/19/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1465593-3 QC Sample: L2107256-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	37.4	53.6	143		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	37.4	46.4	124		-	-		59-182	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	83				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	100				12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	93				14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	63				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	93				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	78				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	108				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	40				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**134**	Q			70-131

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107537
Report Date: 02/19/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1465593-4 QC Sample: L2107256-02 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/l	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/l	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/l	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.15	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107537
Report Date: 02/19/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1465593-4 QC Sample: L2107256-02 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
PFOA/PFOS, Total	ND	ND	ng/l	NC		30
PFAS, Total (5)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	75		74		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	105		104		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**132**	Q	**138**	Q	70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	110		121		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		87		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		91		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		113		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		90		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	82		96		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		99		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		106		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		90		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	79		95		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	60		70		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		90		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28		29		10-112

Lab Duplicate Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107537
Report Date: 02/19/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1465593-4 QC Sample: L2107256-02 Client ID: DUP Sample

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66		61		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		76		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73		80		22-136

METALS

Project Name: 33 CENTRE AVE. **Lab Number:** L2107537

Project Number: 10567 **Report Date:** 02/19/21

SAMPLE RESULTS

Lab ID: L2107537-01 Date Collected: 02/16/21 11:00

Client ID: MW-211D Date Received: 02/16/21

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6.76		mg/l	0.0100	0.00327	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Antimony, Total	0.00101	J	mg/l	0.00400	0.00042	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00275		mg/l	0.00050	0.00016	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Barium, Total	0.1410		mg/l	0.00050	0.00017	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00027	J	mg/l	0.00050	0.00010	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Calcium, Total	294.		mg/l	0.100	0.0394	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Chromium, Total	0.04718		mg/l	0.00100	0.00017	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00604		mg/l	0.00050	0.00016	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Copper, Total	0.02467		mg/l	0.00100	0.00038	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Iron, Total	38.1		mg/l	0.0500	0.0191	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Lead, Total	0.00731		mg/l	0.00100	0.00034	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Magnesium, Total	41.1		mg/l	0.0700	0.0242	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Manganese, Total	2.688		mg/l	0.00100	0.00044	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/17/21 08:40	02/17/21 19:13	EPA 7470A	1,7470A	EW
Nickel, Total	0.02787		mg/l	0.00200	0.00055	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Potassium, Total	22.4		mg/l	0.100	0.0309	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Sodium, Total	68.9		mg/l	0.150	0.0293	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Thallium, Total	0.00027	J	mg/l	0.00100	0.00014	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Vanadium, Total	0.01183		mg/l	0.00500	0.00157	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM
Zinc, Total	0.06761		mg/l	0.01000	0.00341	1	02/17/21 07:33	02/17/21 12:12	EPA 3005A	1,6020B	AM

Project Name: 33 CENTRE AVE. **Lab Number:** L2107537

Project Number: 10567 **Report Date:** 02/19/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1465532-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Sodium, Total	0.0546	J	mg/l	0.150	0.0293	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Thallium, Total	0.00021	J	mg/l	0.00100	0.00014	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	02/17/21 07:33	02/17/21 11:36	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1465535-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/17/21 08:40	02/17/21 18:53	1,7470A	EW

Project Name: 33 CENTRE AVE.
Project Number: 10567
Lab Number: L2107537
Report Date: 02/19/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107537

Report Date: 02/19/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1465532-2								
Aluminum, Total	101		-		80-120	-		
Antimony, Total	86		-		80-120	-		
Arsenic, Total	101		-		80-120	-		
Barium, Total	99		-		80-120	-		
Beryllium, Total	95		-		80-120	-		
Cadmium, Total	99		-		80-120	-		
Calcium, Total	104		-		80-120	-		
Chromium, Total	91		-		80-120	-		
Cobalt, Total	93		-		80-120	-		
Copper, Total	93		-		80-120	-		
Iron, Total	93		-		80-120	-		
Lead, Total	99		-		80-120	-		
Magnesium, Total	102		-		80-120	-		
Manganese, Total	93		-		80-120	-		
Nickel, Total	91		-		80-120	-		
Potassium, Total	104		-		80-120	-		
Selenium, Total	101		-		80-120	-		
Silver, Total	95		-		80-120	-		
Sodium, Total	104		-		80-120	-		
Thallium, Total	99		-		80-120	-		
Vanadium, Total	92		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107537

Report Date: 02/19/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1465532-2					
Zinc, Total	100	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1465535-2					
Mercury, Total	99	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107537
Report Date: 02/19/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1465532-3 QC Sample: L2107536-01 Client ID: MS Sample												
Aluminum, Total	0.225	2	2.31	104		-	-		75-125	-		20
Antimony, Total	0.00050J	0.5	0.5272	105		-	-		75-125	-		20
Arsenic, Total	0.00070	0.12	0.1262	104		-	-		75-125	-		20
Barium, Total	0.1120	2	2.217	105		-	-		75-125	-		20
Beryllium, Total	0.00015J	0.05	0.04980	100		-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.05240	103		-	-		75-125	-		20
Calcium, Total	145.	10	160	**150**	Q	-	-		75-125	-		20
Chromium, Total	0.00427	0.2	0.1922	94		-	-		75-125	-		20
Cobalt, Total	0.00257	0.5	0.4817	96		-	-		75-125	-		20
Copper, Total	0.00183	0.25	0.2419	96		-	-		75-125	-		20
Iron, Total	16.6	1	17.2	**60**	Q	-	-		75-125	-		20
Lead, Total	0.00081J	0.51	0.5307	104		-	-		75-125	-		20
Magnesium, Total	35.3	10	57.8	**225**	Q	-	-		75-125	-		20
Manganese, Total	2.212	0.5	2.789	115		-	-		75-125	-		20
Nickel, Total	0.03496	0.5	0.4936	92		-	-		75-125	-		20
Potassium, Total	21.2	10	31.5	103		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.127	106		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05058	101		-	-		75-125	-		20
Sodium, Total	134.	10	149	**150**	Q	-	-		75-125	-		20
Thallium, Total	0.00026J	0.12	0.1254	104		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.4797	96		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107537
Report Date: 02/19/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1465532-3 QC Sample: L2107536-01 Client ID: MS Sample									
Zinc, Total	0.00665J	0.5	0.5097	102	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1465535-3 QC Sample: L2107536-03 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00490	98	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107537

Report Date: 02/19/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1465532-4 QC Sample: L2107536-01 Client ID: DUP Sample						
Aluminum, Total	0.225	0.221	mg/l	2		20
Antimony, Total	0.00050J	0.00081J	mg/l	NC		20
Arsenic, Total	0.00070	0.00074	mg/l	5		20
Barium, Total	0.1120	0.1101	mg/l	2		20
Beryllium, Total	0.00015J	0.00016J	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Calcium, Total	145.	142	mg/l	2		20
Chromium, Total	0.00427	0.00366	mg/l	15		20
Cobalt, Total	0.00257	0.00262	mg/l	2		20
Copper, Total	0.00183	0.00166	mg/l	10		20
Iron, Total	16.6	16.2	mg/l	2		20
Lead, Total	0.00081J	0.00084J	mg/l	NC		20
Magnesium, Total	35.3	34.5	mg/l	2		20
Manganese, Total	2.212	2.160	mg/l	2		20
Nickel, Total	0.03496	0.03454	mg/l	1		20
Potassium, Total	21.2	20.7	mg/l	2		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	134.	131	mg/l	2		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107537

Report Date: 02/19/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1465532-4 QC Sample: L2107536-01 Client ID: DUP Sample					
Thallium, Total	0.00026J	0.00066J	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.00665J	0.00597J	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1465535-4 QC Sample: L2107536-03 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107537
Report Date: 02/19/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107537-01A	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)
L2107537-01B	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)
L2107537-01C	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)
L2107537-01D	Amber 250ml unpreserved	B	7	7	2.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2107537-01E	Amber 250ml unpreserved	B	7	7	2.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2107537-01F	Plastic 250ml HNO3 preserved	B	<2	<2	2.2	Y	Absent		BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),HG-T(28),AG-6020T(180),MG-6020T(180),AL-6020T(180),CD-6020T(180),CO-6020T(180)
L2107537-01G	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2107537-01H	Plastic 250ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107537
Report Date: 02/19/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107537
Project Number:	10567	**Report Date:**	02/19/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107537
Project Number:	10567	**Report Date:**	02/19/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107537
Project Number:	10567	**Report Date:**	02/19/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107537
Project Number:	10567	**Report Date:**	02/19/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 1 of 1

Date Rec'd in Lab: 2/16/21

ALPHA Job #: L2107537

Project Information
Project Name: 33 Centre Ave
Project Location: New Rochelle, NY
Project #: 10567
(Use Project name as Project #) ☐
Project Manager: Jesse Mausner
ALPHAQuote #:

Client Information
Client: SESI
Address: 120 Maple Ave ~~New~~ Pinebrook NJ
Phone: 973-808-9050
Fax:
Email: jam@sesi.org

Turn-Around Time
Standard ☐ Due Date: 2/19/21
Rush (only if pre approved) ☑ # of Days: 3 Day

Deliverables
☑ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☑ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☑ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL VOC	1,4-Dioxane	TAL Metals	NYPFAAs 537	Sample Specific Comments	Total Bottle
07537-01	MW-21D	2/16/21	11:00	GW	JL	✓	✓	✓	✓		8

JL

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V	A	P	P
Preservative	B	A	C	A

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	2/16/21 1630	[illegible]	2/16/21 1800
[illegible]	2/16/21 1913	[illegible] AAL	2/16/21 20:00
[illegible] AAL	2/16/21 23:40	[illegible]	2/16/21 2340

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONSTITUTIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2107538
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	33 CENTRE AVE.
Project Number:	10567
Report Date:	02/17/21

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

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

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

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107538
Report Date: 02/17/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2107538-01	MW-212DD	WATER	NEW ROCHELLE, NY	02/16/21 14:00	02/16/21
L2107538-02	MW-212DD_C	WATER	NEW ROCHELLE, NY	02/16/21 14:00	02/16/21

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107538
Project Number:	10567	**Report Date:**	02/17/21

Case Narrative

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

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

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

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

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

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

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107538
Project Number:	10567	**Report Date:**	02/17/21

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 02/17/21

ORGANICS

VOLATILES

Project Name: 33 CENTRE AVE. **Lab Number:** L2107538

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107538-01 D
Client ID: MW-212DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/16/21 14:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/17/21 08:50
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	120	35.	50
1,1-Dichloroethane	370		ug/l	120	35.	50
Chloroform	ND		ug/l	120	35.	50
Carbon tetrachloride	ND		ug/l	25	6.7	50
1,2-Dichloropropane	ND		ug/l	50	6.8	50
Dibromochloromethane	ND		ug/l	25	7.4	50
1,1,2-Trichloroethane	ND		ug/l	75	25.	50
Tetrachloroethene	10	J	ug/l	25	9.0	50
Chlorobenzene	ND		ug/l	120	35.	50
Trichlorofluoromethane	ND		ug/l	120	35.	50
1,2-Dichloroethane	9.4	J	ug/l	25	6.6	50
1,1,1-Trichloroethane	10000		ug/l	120	35.	50
Bromodichloromethane	ND		ug/l	25	9.6	50
trans-1,3-Dichloropropene	ND		ug/l	25	8.2	50
cis-1,3-Dichloropropene	ND		ug/l	25	7.2	50
1,3-Dichloropropene, Total	ND		ug/l	25	7.2	50
1,1-Dichloropropene	ND		ug/l	120	35.	50
Bromoform	ND		ug/l	100	32.	50
1,1,2,2-Tetrachloroethane	ND		ug/l	25	8.4	50
Benzene	ND		ug/l	25	8.0	50
Toluene	38	J	ug/l	120	35.	50
Ethylbenzene	ND		ug/l	120	35.	50
Chloromethane	ND		ug/l	120	35.	50
Bromomethane	ND		ug/l	120	35.	50
Vinyl chloride	5.5	J	ug/l	50	3.6	50
Chloroethane	ND		ug/l	120	35.	50
1,1-Dichloroethene	500		ug/l	25	8.4	50
trans-1,2-Dichloroethene	ND		ug/l	120	35.	50

Project Name: 33 CENTRE AVE. **Lab Number:** L2107538

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107538-01 D
Client ID: MW-212DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/16/21 14:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	450		ug/l	25	8.8	50
1,2-Dichlorobenzene	ND		ug/l	120	35.	50
1,3-Dichlorobenzene	ND		ug/l	120	35.	50
1,4-Dichlorobenzene	ND		ug/l	120	35.	50
Methyl tert butyl ether	ND		ug/l	120	35.	50
p/m-Xylene	ND		ug/l	120	35.	50
o-Xylene	ND		ug/l	120	35.	50
Xylenes, Total	ND		ug/l	120	35.	50
cis-1,2-Dichloroethene	ND		ug/l	120	35.	50
1,2-Dichloroethene, Total	ND		ug/l	120	35.	50
Dibromomethane	ND		ug/l	250	50.	50
1,2,3-Trichloropropane	ND		ug/l	120	35.	50
Acrylonitrile	ND		ug/l	250	75.	50
Styrene	ND		ug/l	120	35.	50
Dichlorodifluoromethane	ND		ug/l	250	50.	50
Acetone	ND		ug/l	250	73.	50
Carbon disulfide	ND		ug/l	250	50.	50
2-Butanone	ND		ug/l	250	97.	50
Vinyl acetate	ND		ug/l	250	50.	50
4-Methyl-2-pentanone	ND		ug/l	250	50.	50
2-Hexanone	ND		ug/l	250	50.	50
Bromochloromethane	ND		ug/l	120	35.	50
2,2-Dichloropropane	ND		ug/l	120	35.	50
1,2-Dibromoethane	ND		ug/l	100	32.	50
1,3-Dichloropropane	ND		ug/l	120	35.	50
1,1,1,2-Tetrachloroethane	ND		ug/l	120	35.	50
Bromobenzene	ND		ug/l	120	35.	50
n-Butylbenzene	ND		ug/l	120	35.	50
sec-Butylbenzene	ND		ug/l	120	35.	50
tert-Butylbenzene	ND		ug/l	120	35.	50
o-Chlorotoluene	ND		ug/l	120	35.	50
p-Chlorotoluene	ND		ug/l	120	35.	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	35.	50
Hexachlorobutadiene	ND		ug/l	120	35.	50
Isopropylbenzene	ND		ug/l	120	35.	50
p-Isopropyltoluene	ND		ug/l	120	35.	50
Naphthalene	ND		ug/l	120	35.	50

Project Name: 33 CENTRE AVE. **Lab Number:** L2107538

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107538-01 D
Client ID: MW-212DD
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/16/21 14:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	120	35.	50
1,2,3-Trichlorobenzene	ND		ug/l	120	35.	50
1,2,4-Trichlorobenzene	ND		ug/l	120	35.	50
1,3,5-Trimethylbenzene	ND		ug/l	120	35.	50
1,2,4-Trimethylbenzene	ND		ug/l	120	35.	50
1,4-Dioxane	ND		ug/l	12000	3000	50
p-Diethylbenzene	ND		ug/l	100	35.	50
p-Ethyltoluene	ND		ug/l	100	35.	50
1,2,4,5-Tetramethylbenzene	ND		ug/l	100	27.	50
Ethyl ether	ND		ug/l	120	35.	50
trans-1,4-Dichloro-2-butene	ND		ug/l	120	35.	50
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	104		70-130

Project Name: 33 CENTRE AVE.
Lab Number: L2107538
Project Number: 10567
Report Date: 02/17/21

SAMPLE RESULTS

Lab ID: L2107538-02 D
Client ID: MW-212DD_C
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/16/21 14:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/17/21 09:13
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	250	70.	100
1,1-Dichloroethane	370		ug/l	250	70.	100
Chloroform	ND		ug/l	250	70.	100
Carbon tetrachloride	ND		ug/l	50	13.	100
1,2-Dichloropropane	ND		ug/l	100	14.	100
Dibromochloromethane	ND		ug/l	50	15.	100
1,1,2-Trichloroethane	ND		ug/l	150	50.	100
Tetrachloroethene	ND		ug/l	50	18.	100
Chlorobenzene	ND		ug/l	250	70.	100
Trichlorofluoromethane	ND		ug/l	250	70.	100
1,2-Dichloroethane	ND		ug/l	50	13.	100
1,1,1-Trichloroethane	10000		ug/l	250	70.	100
Bromodichloromethane	ND		ug/l	50	19.	100
trans-1,3-Dichloropropene	ND		ug/l	50	16.	100
cis-1,3-Dichloropropene	ND		ug/l	50	14.	100
1,3-Dichloropropene, Total	ND		ug/l	50	14.	100
1,1-Dichloropropene	ND		ug/l	250	70.	100
Bromoform	ND		ug/l	200	65.	100
1,1,2,2-Tetrachloroethane	ND		ug/l	50	17.	100
Benzene	ND		ug/l	50	16.	100
Toluene	ND		ug/l	250	70.	100
Ethylbenzene	ND		ug/l	250	70.	100
Chloromethane	ND		ug/l	250	70.	100
Bromomethane	ND		ug/l	250	70.	100
Vinyl chloride	ND		ug/l	100	7.1	100
Chloroethane	ND		ug/l	250	70.	100
1,1-Dichloroethene	430		ug/l	50	17.	100
trans-1,2-Dichloroethene	ND		ug/l	250	70.	100

Project Name: 33 CENTRE AVE. **Lab Number:** L2107538

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107538-02 D
Client ID: MW-212DD_C
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/16/21 14:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	410		ug/l	50	18.	100
1,2-Dichlorobenzene	ND		ug/l	250	70.	100
1,3-Dichlorobenzene	ND		ug/l	250	70.	100
1,4-Dichlorobenzene	ND		ug/l	250	70.	100
Methyl tert butyl ether	ND		ug/l	250	70.	100
p/m-Xylene	ND		ug/l	250	70.	100
o-Xylene	ND		ug/l	250	70.	100
Xylenes, Total	ND		ug/l	250	70.	100
cis-1,2-Dichloroethene	ND		ug/l	250	70.	100
1,2-Dichloroethene, Total	ND		ug/l	250	70.	100
Dibromomethane	ND		ug/l	500	100	100
1,2,3-Trichloropropane	ND		ug/l	250	70.	100
Acrylonitrile	ND		ug/l	500	150	100
Styrene	ND		ug/l	250	70.	100
Dichlorodifluoromethane	ND		ug/l	500	100	100
Acetone	ND		ug/l	500	150	100
Carbon disulfide	ND		ug/l	500	100	100
2-Butanone	ND		ug/l	500	190	100
Vinyl acetate	ND		ug/l	500	100	100
4-Methyl-2-pentanone	ND		ug/l	500	100	100
2-Hexanone	ND		ug/l	500	100	100
Bromochloromethane	ND		ug/l	250	70.	100
2,2-Dichloropropane	ND		ug/l	250	70.	100
1,2-Dibromoethane	ND		ug/l	200	65.	100
1,3-Dichloropropane	ND		ug/l	250	70.	100
1,1,1,2-Tetrachloroethane	ND		ug/l	250	70.	100
Bromobenzene	ND		ug/l	250	70.	100
n-Butylbenzene	ND		ug/l	250	70.	100
sec-Butylbenzene	ND		ug/l	250	70.	100
tert-Butylbenzene	ND		ug/l	250	70.	100
o-Chlorotoluene	ND		ug/l	250	70.	100
p-Chlorotoluene	ND		ug/l	250	70.	100
1,2-Dibromo-3-chloropropane	ND		ug/l	250	70.	100
Hexachlorobutadiene	ND		ug/l	250	70.	100
Isopropylbenzene	ND		ug/l	250	70.	100
p-Isopropyltoluene	ND		ug/l	250	70.	100
Naphthalene	ND		ug/l	250	70.	100

Project Name: 33 CENTRE AVE. **Lab Number:** L2107538

Project Number: 10567 **Report Date:** 02/17/21

SAMPLE RESULTS

Lab ID: L2107538-02 D
Client ID: MW-212DD_C
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/16/21 14:00
Date Received: 02/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	250	70.	100
1,2,3-Trichlorobenzene	ND		ug/l	250	70.	100
1,2,4-Trichlorobenzene	ND		ug/l	250	70.	100
1,3,5-Trimethylbenzene	ND		ug/l	250	70.	100
1,2,4-Trimethylbenzene	ND		ug/l	250	70.	100
1,4-Dioxane	ND		ug/l	25000	6100	100
p-Diethylbenzene	ND		ug/l	200	70.	100
p-Ethyltoluene	ND		ug/l	200	70.	100
1,2,4,5-Tetramethylbenzene	ND		ug/l	200	54.	100
Ethyl ether	ND		ug/l	250	70.	100
trans-1,4-Dichloro-2-butene	ND		ug/l	250	70.	100
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	106		70-130

Project Name: 33 CENTRE AVE. **Lab Number:** L2107538

Project Number: 10567 **Report Date:** 02/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/17/21 08:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1465619-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 33 CENTRE AVE. **Lab Number:** L2107538

Project Number: 10567 **Report Date:** 02/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/17/21 08:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1465619-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 33 CENTRE AVE. **Lab Number:** L2107538

Project Number: 10567 **Report Date:** 02/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/17/21 08:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1465619-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: 33 CENTRE AVE. **Lab Number:** L2107538

Project Number: 10567 **Report Date:** 02/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/17/21 08:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1465619-5					

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107538

Report Date: 02/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1465619-3 WG1465619-4								
Methylene chloride	92		93		70-130	1		20
1,1-Dichloroethane	91		92		70-130	1		20
Chloroform	96		97		70-130	1		20
Carbon tetrachloride	93		93		63-132	0		20
1,2-Dichloropropane	88		90		70-130	2		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	94		95		70-130	1		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	96		98		75-130	2		20
Trichlorofluoromethane	99		100		62-150	1		20
1,2-Dichloroethane	96		97		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	96		99		67-130	3		20
trans-1,3-Dichloropropene	97		100		70-130	3		20
cis-1,3-Dichloropropene	91		93		70-130	2		20
1,1-Dichloropropene	92		94		70-130	2		20
Bromoform	95		97		54-136	2		20
1,1,2,2-Tetrachloroethane	87		91		67-130	4		20
Benzene	92		94		70-130	2		20
Toluene	97		99		70-130	2		20
Ethylbenzene	95		95		70-130	0		20
Chloromethane	74		76		64-130	3		20
Bromomethane	78		91		39-139	15		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107538

Report Date: 02/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1465619-3 WG1465619-4								
Vinyl chloride	80		80		55-140	0		20
Chloroethane	84		86		55-138	2		20
1,1-Dichloroethene	89		91		61-145	2		20
trans-1,2-Dichloroethene	93		93		70-130	0		20
Trichloroethene	99		99		70-130	0		20
1,2-Dichlorobenzene	98		97		70-130	1		20
1,3-Dichlorobenzene	98		97		70-130	1		20
1,4-Dichlorobenzene	97		96		70-130	1		20
Methyl tert butyl ether	92		93		63-130	1		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	94		96		70-130	2		20
Dibromomethane	89		92		70-130	3		20
1,2,3-Trichloropropane	90		92		64-130	2		20
Acrylonitrile	78		78		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	81		82		36-147	1		20
Acetone	83		78		58-148	6		20
Carbon disulfide	86		88		51-130	2		20
2-Butanone	76		75		63-138	1		20
Vinyl acetate	79		80		70-130	1		20
4-Methyl-2-pentanone	77		83		59-130	8		20
2-Hexanone	73		74		57-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107538
Report Date: 02/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1465619-3 WG1465619-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	93		98		70-130	5		20
1,3-Dichloropropane	93		96		70-130	3		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	94		93		53-136	1		20
sec-Butylbenzene	94		94		70-130	0		20
tert-Butylbenzene	98		99		70-130	1		20
o-Chlorotoluene	96		95		70-130	1		20
p-Chlorotoluene	96		97		70-130	1		20
1,2-Dibromo-3-chloropropane	86		87		41-144	1		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	98		98		70-130	0		20
p-Isopropyltoluene	98		99		70-130	1		20
Naphthalene	84		91		70-130	8		20
n-Propylbenzene	95		95		69-130	0		20
1,2,3-Trichlorobenzene	99		100		70-130	1		20
1,2,4-Trichlorobenzene	98		99		70-130	1		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	98		99		70-130	1		20
1,4-Dioxane	82		96		56-162	16		20
p-Diethylbenzene	99		98		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 33 CENTRE AVE.

Project Number: 10567

Lab Number: L2107538

Report Date: 02/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1465619-3 WG1465619-4								
p-Ethyltoluene	98		99		70-130	1		20
1,2,4,5-Tetramethylbenzene	100		99		70-130	1		20
Ethyl ether	87		88		59-134	1		20
trans-1,4-Dichloro-2-butene	77		83		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		104		70-130
Toluene-d8	107		109		70-130
4-Bromofluorobenzene	106		105		70-130
Dibromofluoromethane	110		107		70-130

Project Name: 33 CENTRE AVE.
Project Number: 10567

Lab Number: L2107538
Report Date: 02/17/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2107538-01A	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)
L2107538-01B	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)
L2107538-01C	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)
L2107538-02A	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)
L2107538-02B	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)
L2107538-02C	Vial HCl preserved	B	NA		2.2	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107538
Project Number:	10567	**Report Date:**	02/17/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107538
Project Number:	10567	**Report Date:**	02/17/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107538
Project Number:	10567	**Report Date:**	02/17/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	33 CENTRE AVE.	**Lab Number:**	L2107538
Project Number:	10567	**Report Date:**	02/17/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 2/16/21

ALPHA Job #: L2107538

Client Information

Client: SESI
Address: 120 Maple Ave
Pine Brook, NJ
Phone: 973-808-9050
Fax:
Email: jam@sesi.org

Project Information

Project Name: 33 Centre Ave
Project Location: New Rochelle, NY
Project # 10567
(Use Project name as Project #) ☐
Project Manager: Jesse Mausner
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date: 2/17/21
Rush (only if pre approved) ☑ # of Days: 1 Day

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☑ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☑ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

Sample Filtration

☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: NYTCLVOC	Sample Specific Comments	Total Bottle
07538-01	MW-212DD	2/16/21	14:00	GW	JL	✓		3
-02	MW-212DD_C	↓	↓	↓	↓	↓		3

JL

Container Type: ✓
Preservative: A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	2/16/21 1630		2/16/21 1800
	2/16/21 1645	AAL 2	2/16/21 20:00
AAL 2	2/16/21 23:40		2/16/21 23 40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX L

LNAPL Fingerprint Analysis Report

APL
AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

ANALYTICAL RESULTS

STANDARD DELIVERABLES FORMAT

APL WORK ORDER NUMBER: 0031163

Sesi Consulting Engineers

Project: Center Ave

Brian Wood
Laboratory Director

All Results meet the requirements of the National Environmental Laboratory Accreditation Conference and/or State specific certifications as applicable.

1275 Bloomfield Ave., Bldg. 6, Fairfield, New Jersey 07004
(t) 973.227.0422 (f) 973.227.2813 (w) www.aquaprotechlabs.com

NELAC National Environmental Laboratory Accreditation Conference
NJDEP #07010 / NYDOH #11634

APL
AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

Center Ave

Client: Sesi Consulting Engineers **Contact:** Jesse Mausner

APL Order ID: 0031163 **Received:** 03/27/20 17:00

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
0031163-01 (Ground Water)	LNAPL 3-27-2020			Collected: 03/27/20 09:30				
GC Fingerprint								
Aviation Fuel (C8-C16)	SW 846 8015B	03/31/20 18:30	04/01/20 10:26	No Match		N/A	N/A	N/A
Coal Tar (C12-C34)	SW 846 8015B	03/31/20 18:30	04/01/20 10:26	No Match		N/A	N/A	N/A
Crude Oil	SW 846 8015B	03/31/20 18:30	04/01/20 10:26	No Match		N/A	N/A	N/A
Dielectric Fluid (C12-C36)	SW 846 8015B	03/31/20 18:30	04/01/20 10:26	No Match		N/A	N/A	N/A
Diesel/Fuel Oil #2 (C9-C22)	SW 846 8015B	03/31/20 18:30	04/01/20 10:26	No Match		N/A	N/A	N/A
Fuel Oil #4 (C11-C24)	SW 846 8015B	03/31/20 18:30	04/01/20 10:26	No Match		N/A	N/A	N/A
Fuel Oil #6 (C11-C26)	SW 846 8015B	03/31/20 18:30	04/01/20 10:26	No Match		N/A	N/A	N/A
Gasoline (C8-C12)	SW 846 8015B	03/31/20 18:30	04/01/20 10:26	No Match		N/A	N/A	N/A
Hydraulic Fluid (C14-C32)	SW 846 8015B	03/31/20 18:30	04/01/20 10:26	No Match		N/A	N/A	N/A
Kerosene (C9-C18)	SW 846 8015B	03/31/20 18:30	04/01/20 10:26	No Match		N/A	N/A	N/A
Mineral Oil (C22-C38)	SW 846 8015B	03/31/20 18:30	04/01/20 10:26	No Match		N/A	N/A	N/A
Mineral Spirits (C9-C12)	SW 846 8015B	03/31/20 18:30	04/01/20 10:26	No Match		N/A	N/A	N/A
Motor Oil (C28-C40)	SW 846 8015B	03/31/20 18:30	04/01/20 10:26	No Match		N/A	N/A	N/A
Other Products	SW 846 8015B	03/31/20 18:30	04/01/20 10:26	No Match		N/A	N/A	N/A
Quench Oil (C14-C32)	SW 846 8015B	03/31/20 18:30	04/01/20 10:26	No Match		N/A	N/A	N/A
Turpentine (C9-C11)	SW 846 8015B	03/31/20 18:30	04/01/20 10:26	No Match		N/A	N/A	N/A
0031163-01 (Ground Water)	LNAPL 3-27-2020			Collected: 03/27/20 09:30				
EPH Category 2 Extractable Petroleum Hydrocarbons Category 2								
Total EPH	NJDEP-EPH-CAT2	03/31/20 18:00	04/01/20 10:26	**251**	**D**	**0.702**	**1.75**	**mg/L**
0031163-01 (Ground Water)	LNAPL 3-27-2020			Collected: 03/27/20 09:30				
VO+15 Volatile Organics - GC/MS								
1,1,1-Trichloroethane	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	2.16	10.0	ug/L
1,1,2,2-Tetrachloroethane	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	2.18	10.0	ug/L
1,1,2-Trichloro-1,2,2 Trifluoroethane	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	5.46	10.0	ug/L
1,1,2-Trichloroethane	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	4.76	10.0	ug/L
1,1-Dichloroethane	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	3.93	10.0	ug/L
1,1-Dichloroethene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	1.49	10.0	ug/L
1,2,3-Trichlorobenzene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	4.88	10.0	ug/L
1,2,4-Trichlorobenzene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	4.37	10.0	ug/L
1,2,4-Trimethylbenzene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	1.55	10.0	ug/L
1,2-Dibromo-3-chloropropane	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	10.9	20.0	ug/L
1,2-Dibromoethane	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	3.20	10.0	ug/L
1,2-Dichlorobenzene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	2.10	10.0	ug/L
1,2-Dichloroethane	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	3.06	10.0	ug/L
1,2-Dichloropropane	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	2.67	10.0	ug/L

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND, U - Indicates compound analyzed for but not detected
J - Indicates estimated value
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation

APL
AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

Center Ave

Client: Sesi Consulting Engineers **Contact:** Jesse Mausner

APL Order ID: 0031163 **Received:** 03/27/20 17:00

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
0031163-01 (Ground Water)	LNAPL 3-27-2020			Collected: 03/27/20 09:30				
VO+15 Volatile Organics - GC/MS								
1,3-Dichlorobenzene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	2.87	10.0	ug/L
1,4-Dichlorobenzene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	2.38	10.0	ug/L
2-Butanone	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	8.70	20.0	ug/L
2-Hexanone	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	6.35	20.0	ug/L
4-Methyl-2-pentanone	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	6.38	20.0	ug/L
Acetone	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	4.19	100	ug/L
Benzene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	1.29	10.0	ug/L
Bromochloromethane	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	3.07	10.0	ug/L
Bromodichloromethane	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	2.58	10.0	ug/L
Bromoform	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	4.21	10.0	ug/L
Bromomethane	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	7.02	20.0	ug/L
Carbon disulfide	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	4.77	10.0	ug/L
Carbon Tetrachloride	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	3.72	10.0	ug/L
Chlorobenzene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	3.00	10.0	ug/L
Chlorodibromomethane	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	5.04	10.0	ug/L
Chloroethane	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	2.99	20.0	ug/L
Chloroform	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	3.65	10.0	ug/L
Chloromethane	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	7.58	10.0	ug/L
cis-1,2-Dichloroethene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	3.52	10.0	ug/L
cis-1,3-Dichloropropene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	2.94	10.0	ug/L
Cyclohexane	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	2.98	10.0	ug/L
Dichlorodifluoromethane	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	3.28	20.0	ug/L
EthylBenzene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	2.44	10.0	ug/L
Isopropylbenzene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	2.75	10.0	ug/L
m+p-Xylenes	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	4.61	20.0	ug/L
Methyl Acetate	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	3.73	10.0	ug/L
Methyl tert-Butyl Ether	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	5.96	10.0	ug/L
Methylcyclohexane	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	2.22	10.0	ug/L
Methylene Chloride	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	6.81	10.0	ug/L
o-Xylene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	2.44	10.0	ug/L
Styrene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	1.76	10.0	ug/L
tert-Butyl alcohol	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	81.7	100	ug/L
Tetrachloroethene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	4.66	10.0	ug/L
Toluene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	2.05	10.0	ug/L
Total Xylenes	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	2.44	10.0	ug/L
trans-1,2-Dichloroethene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	2.41	10.0	ug/L
trans-1,3-Dichloropropene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	2.79	10.0	ug/L
Trichloroethene	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	1.46	10.0	ug/L
Trichlorofluoromethane	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	4.13	10.0	ug/L

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND, U - Indicates compound analyzed for but not detected
J - Indicates estimated value
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation

APL
AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

Center Ave

Client: Sesi Consulting Engineers **Contact:** Jesse Mausner

APL Order ID: 0031163 **Received:** 03/27/20 17:00

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
0031163-01 (Ground Water)	LNAPL 3-27-2020			Collected: 03/27/20 09:30				
VO+15 Volatile Organics - GC/MS								
Vinyl chloride	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	ND	U	1.57	10.0	ug/L
VO+15 Volatile Organics - GC/MS TIC								
Cyclohexane, 1,1-dimethyl-2-propyl-	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	**40.1**	**J, D**			**ug/L**
Cyclohexane, 2-butyl-1,1,3-trimethyl-	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	**209**	**J, D**			**ug/L**
Naphthalene, decahydro-2-methyl-	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	**32.2**	**J, D**			**ug/L**
Tridecane, 7-methyl-	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	**102**	**J, D**			**ug/L**
Undecane, 2,6-dimethyl-	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	**119**	**J, D**			**ug/L**
unknown (01)	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	**35.9**	**J, D**			**ug/L**
unknown (02)	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	**51.3**	**J, D**			**ug/L**
unknown (03)	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	**103**	**J, D**			**ug/L**
unknown (04)	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	**62.0**	**J, D**			**ug/L**
unknown (05)	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	**59.3**	**J, D**			**ug/L**
unknown (06)	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	**96.0**	**J, D**			**ug/L**
unknown (07)	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	**188**	**J, D**			**ug/L**
unknown (08)	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	**63.6**	**J, D**			**ug/L**
unknown (09)	SW 846 8260C	04/01/20 01:07	04/01/20 01:07	**34.7**	**J, D**			**ug/L**

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND, U - Indicates compound analyzed for but not detected
J - Indicates estimated value
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation

APL 0031163

AQUA PRO-TECH LABORATORIES

www.aquaprotechlabs.com
1275 BLOOMFIELD AVENUE • BUILDING 6
FAIRFIELD, NEW JERSEY 07004

TEL: 973.227.0422
FAX: 973.227.2813

CONTAMINATION LEVEL
- ☐ LOW
- ☐ MEDIUM
- ☐ HIGH

CHAIN OF CUSTODY

CLIENT: SESI	SEND REPORT TO:
ADDRESS: 12a Maple Ave Pine Brook NJ	ADDRESS:
PHONE: 973-808-9050	PHONE:
E-MAIL: JAM@SESI.ORG	SEND INVOICE TO:
PROJECT NAME: Center Ave	ADDRESS:
PROJECT MGR: Jesse Mansoe	SAMPLING LOCATION:
PROJECT or PO #: 10567:4	SAMPLED BY: JRN

TURN-AROUND TIME
- ☐ APL STANDARD 2 weeks
- ☐ RUSH (choose one below, may need lab approval)
- ☒ 24 hr. date & time required _____
- ☐ 48 hr. date & time required _____
- ☐ 72 hr. date & time required _____
- ☐ 1 week

REPORT/ ELECTRONIC FORMAT
- ☐ RESULTS ONLY
- ☒ NJ DEP REDUCED
- ☐ NJ DEP FULL
- ☐ STATE FORMS/E2 REPORTING
- ☐ EMAIL DELIVERY
- ☐ HAZSITE EDD
- ☒ EXCEL

PWSID#_____ SRP#_____

MATRIX ABBREVIATIONS: *D - DRINKING WATER G - GROUNDWATER W - WASTEWATER S - SOIL SL - SLUDGE C - CONCRETE L - LAKE*

APL Lab ID#	Sample Source: Field ID	Date	Time	Sample Type GRAB	Sample Type COMP	MATRIX	No. of Bottles	Preservative	Analysis Requested
0031163-01	LNAPL 3-27-2020	3-27-2020	9:30	X		SW	1	ICE	EPH, Fingerprint, VOC

JRN

RELINQUISHED BY	PRINT	John Norwood	SIGN		DATE & TIME	3/27/2020	
RECEIVED BY	PRINT	C. Lopez	SIGN	C Lopez	DATE & TIME	1700	
RELINQUISHED BY	PRINT		SIGN		DATE & TIME		
RECEIVED BY	PRINT		SIGN		DATE & TIME		

COMMENTS/SPECIAL INSTRUCTIONS

Cooler Temp. upon receipt at lab 4.0

CERTIFICATIONS: NELAP (National Environmental Laboratory Accreditation Program) NJDEP #07010 PADEP #68-02903 NYDOH #11634

By signing this Chain of Custody Agreement, customer expressly agrees to pay APL for all charges, reasonably incurred in connection with analysis and reporting for these samples